



State of Iowa

Technical Proposal for MAPCON Implementation

May 31, 2018



Mapcon Technologies, Inc.

8191 Birchwood Court, Suite A

Johnston, Iowa 50131-2930

Sales & Marketing: **800-922-4336**

Support: **800-923-4791**

Administration: **515-331-3358**

Fax: **515-331-3373**

Email: **support@mapcon.com**

Letter of Transmittal

June 1, 2018

Steve Oberbroeckling
Purchasing Agent III
Iowa Department of Administrative Services
Hoover State Office Building, Level 3
1305 East Walnut Street
Des Moines, IA 50319-0105

Mr. Oberbroeckling,

Please accept the included Technical and Cost Proposals in response to the State of Iowa's RFP No. RFP0918005028 – Maintenance Management Software. Mapcon Technologies, Inc. has the experience and resources to provide a system that will fulfill the requirements of this RFP. The enclosed proposals will outline the manner in which Mapcon Technologies, Inc. will provide the required software and services.

The primary contact for all issues regarding Mapcon Technologies, Inc. proposals will be:

Cory Lister
Mapcon Technologies, Inc.
8191 Birchwood Ct. Suite A
Johnston, IA 50131-2931
515-331-3358
clister@mapcon.com

I hereby acknowledge receipt of Addendum One to RFP No. RFP0918005028.

Mapcon Technologies, Inc. appreciates the opportunity to submit these proposals to you.

Sincerely,



Cory Lister
Corporate Solutions Manager
Mapcon Technologies, Inc.

Attachment #3
Form 22 – Request for Confidentiality

CONTRACTOR NOTE: SUBMISSION OF THIS FORM 22 IS REQUIRED

THIS FORM 22 (FORM) MUST BE COMPLETED AND INCLUDED WITH YOUR RESPONSE (PROPOSAL) TO THE REQUEST FOR PROPOSAL (RFP). THE FORM IS REQUIRED WHETHER THE PROPOSAL DOES OR DOES NOT CONTAIN INFORMATION FOR WHICH CONFIDENTIAL TREATMENT WILL BE REQUESTED.

FAILURE TO SUBMIT A COMPLETED FORM WILL RESULT IN THE PROPOSAL CONSIDERED NON-RESPONSIVE AND ELIMINATED FROM EVALUATION.

I. Confidential Treatment Is Not Requested

A request for confidential treatment of information contained in our Proposal is not submitted.

Mapcon Technologies, Inc.
Company

0918005028
RFP Number

Maintenance Management Software
RFP Title

Joel J. Sordahl
Signature

President
Title

5/31/18
Date

II. Confidential Treatment Is Requested

The below information is to be completed and signed ONLY if Contractor is requesting confidential treatment of any information submitted in its Proposal.

Per the paragraph labeled as Public Records and Requests for Confidential Treatment in section 2 of the Request for Proposal (RFP), a Contractor requesting portions of its Proposal be maintained in confidence must complete this form and submit it with its Proposal. Contractors should read and familiarize themselves with chapter 22 of the Iowa Code regarding release of public records before completing this Form. Contractor shall refer to the paragraph labeled as Public Records and Requests for Confidential Treatment in section 2 of the RFP for instructions regarding how to request confidential treatment of portions of its Proposal.

NOTE:

- 1 Completion of this Form is the sole means of requesting confidential treatment.**
- 2 A CONTRACTOR MAY NOT REQUEST PRICING PROPOSALS BE HELD IN CONFIDENCE.**

Completion of the Form and Agency's acceptance of Contractor's submission does not guarantee the agency will grant Contractor's request for confidentiality. The Agency may reject Contractor's Proposal entirely in the event Contractor requests confidentiality and does submit a fully completed Form or requests confidentiality for portions of its Proposal that are improper under the RFP.

To request confidentiality, Contractor must provide the following information:

- 1 ☐ Contractor must conspicuously mark confidential material in its Proposal in accordance with the section titled Public Records and Requests for Confidential Treatment. **Check box when completed.**
- 2 Contractor must specifically identify and list the Proposal section(s) for which it seeks confidentiality and answer the following questions for each section listed:
 - Explain the specific grounds in *Iowa Code Chapter 22* or other applicable law which support treatment of the material as confidential.
 - Justify why the material should be kept in confidence.
 - Explain why disclosure of the material would not be in the best interest of the public.
 - Provide the name, address, telephone, and email for the Contractor's person authorized to respond to inquiries by the Agency concerning the status of confidential materials.

Please provide the information in the table below. Contractor may add additional lines if necessary or add additional pages using the same format as the table below.

RFP Section:	Contractor must cite the specific grounds in <i>Iowa Code Chapter 22</i> or other applicable law which supports treatment of the material as confidential.	Contractor must justify why the material should be kept in confidence.	Contractor must explain why disclosure of the material would not be in the best interest of the public.	Contractor must provide the name, address, telephone, and email for the person at Contractor's organization authorized to respond to inquiries by the Agency concerning the status of confidential materials.

- 3 ☐ Contractor must submit a Public Copy of its Proposal from which the confidential information has been excised. The confidential material must be excised in such a way as to allow the public to determine the general nature of the material removed and to retain as much of the Proposal as possible. **Check box when completed.**

This Form must be signed by the individual who signed the Contractor's Proposal. The Contractor shall place this Form completed and signed in its Proposal immediately following the transmittal letter. A copy of this document shall be placed in all Proposals submitted including the Public Copy.

***Failure to provide the information required on this Form may result in rejection of Contractor's submittal to request confidentiality or rejection of the Proposal as being non-responsive.**

***Please note that this Form is to be completed and signed only if you are submitting a request for confidential treatment of any information submitted in your Proposal.**

Company	RFP Number	RFP Title
Signature	Title	Date

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Exhibit 2

Executive Summary

MAPCON computerized maintenance management products have been on the market for over 30 years. MAPCON has been designed to provide the ultimate in flexibility, customizability and ease of use while still providing a very comprehensive feature set.

Mapcon Technologies, Inc. has read and understands the terms and conditions of RFP0918005028. Mapcon Technologies, Inc. has listed Exceptions in Attachment #4.

Comprehensive features

The following are some of the features that MAPCON can provide:

1. Asset Management including equipment and facilities
2. Integrated Inventory Management
3. Integrated Purchasing (part replenishment, service and blanket contracts)
4. Flexible Work Order Management (repair, PM, planning, scheduling)
5. Site and Zone Management (users view data in their site or zone)
6. Timecard Management
7. Project Management
8. Three task resource scheduling methods
9. Excel export for all programmed and custom reports
10. Facility property tracking with costs by square footage.
11. User Customization Utilities (icons, menus, security, data lookups, screen labels)
12. Drag and Drop Calendar Work Order Resource Scheduler
13. Field level help and an extensive on-line manual
14. Attach Adobe PDFs, MS Word/Excel documents or images
15. Over 300 standard reports
16. Internet enabled for easy data access and task completion
17. Mobile capabilities using Android and Apple devices to initiate and complete tasks
18. Barcode printing and scanning capabilities
19. Interface creation services
20. System modification services
21. Implementation/installation services
22. On-site and in-house training services
23. System support services
24. On-site consulting services

Benefits of a local company

Based in Johnston, Mapcon Technologies, Inc.'s office is only a fifteen-minute drive from the State of Iowa Capitol Complex. Because all Mapcon Technologies, Inc. employees live in the Des Moines area, the State of Iowa will save thousands of dollars in travel and lodging expenses, an incredible benefit. These savings apply to all on-site services including implementation, installation, training, and consulting.

Personalized service

Mapcon Technologies, Inc. prides itself on providing personalized world-class services. There are no automated answering machines. Our clients can expect to speak with a real person every time. Mapcon Technologies, Inc. is 100% employee owned and turnover is low, providing our customers quick responses from a highly knowledgeable and experienced staff. Although Mapcon Technologies, Inc. is always looking to the future for new technology and product improvements, our community of users can always take comfort in knowing that all versions of MAPCON software have been and will continue to be supported. That is a guarantee with over 30 years of history to back it up.

Unique Users Group

The MAPCON Users Group (MUG) was independently incorporated in Florida by a group of MAPCON users. MUG then began holding annual conferences to provide a forum for all Mapcon users. These forums supplied an opportunity for users to take part in presentations, network with fellow users and learn more about MAPCON by attending specialized training classes. They also provided Mapcon Technologies, Inc. an opportunity to receive input from its users for product development. To this day, this extremely unique organization remains independent and continues to provide top-notch conferences.

Conclusion

The main reason MAPCON is the best choice for the State of Iowa is our cost-to-feature benefit. Mapcon Technologies, Inc. can and will provide all the required software and services for a very reasonable cost, while simultaneously providing features that allow opportunities for future growth. Mapcon Technologies, Inc. will also provide the confidence of over 30 years of experience, skilled personnel to get the job done right and the hefty advantage of doing business with a local vendor.

Attachment #4
Exceptions to Terms and Conditions

Section #	Original Text Referenced	Proposed Language	Reason for exception
Attachment #7 7.1(b)	Support shall be available 24 hours a day 7 days a week	Support shall be available 8-5 CST Monday through Friday exclusive or normal holidays	Mapcon does not provide 24/7 support staff at this time. Section 5.2.3.8 also states 7-5 allowing a 2 hour response.
Attachment #7 9.13(a)	an independent, third-party certificate of audit certifying that the Services comply with NIST 800-53, Revision 4 controls	Since ISO/IEC 27001:2013 includes most of NIST 800-53 we ask this requirement be waived.	MAPCON uses a third party for SaaS hosting services.
Attachment #7 9.13(b)	ISO/IEC 27001:2005 Certification	Vendor shall provide the State of Iowa with a copy of its Third Party Hosting providers ISO/IEC 27001:2013 Certification	MAPCON uses a third party for SaaS hosting services.
Attachment #7 9.13(e)	Vendor shall provide the State of Iowa with a copy of its most recent annual American Institute of certified Public Accountants SSAE 16 Service Organization Control (SOC) 1 Type 2 report.	Vendor shall provide the State of Iowa with a copy of its Third Party Hosting providers (listed as a Subcontractor in section 2) most recent annual American Institute of certified Public Accountants SSAE 16 Service Organization Control (SOC) 1 Type 2 report.	MAPCON uses a third party for SaaS hosting services.
Exhibit C	Based on Vendor Hosting	Third Party hosting will be used	Third Party hosting will be used
Exhibit C Section 5a	Service Levels	The vendor shall provide maintenance and support within two (2) hours of receiving a request for service during normal business hours (Monday through Friday, 7:00A.M. to 5 P.M.).	RFP section 5.2.3.8 language

Attachment #4
Exceptions to Terms and Conditions
Insurance

Section #	Original Text Referenced	Proposed Language	Reason for exception
Exhibit D Insurance	General Liability General Aggregate \$15 Million	General Liability General Aggregate \$4 Million	Current Insurance Levels
Exhibit D Insurance	General Liability Comp/Op Aggregate \$15 Million	General Liability Comp/Op Aggregate \$4 Million	Current Insurance Levels
Exhibit D Insurance	General Liability Personal Injury \$15 Million	General Liability Personal Injury \$2 Million	Current Insurance Levels
Exhibit D Insurance	General Liability Each Occurrence \$5 Million	General Liability Each Occurrence \$2 Million	Current Insurance Levels
Exhibit D Insurance	Excess Liability Each Occurrence \$5 Million	Excess Liability Each Occurrence \$2 Million	Current Insurance Levels
Exhibit D Insurance	Excess Liability Aggregate \$15 Million	Excess Liability Aggregate \$2 Million	Current Insurance Levels
Exhibit D Insurance	Technology Errors and Omissions Each Occurrence \$5 Million	Technology Errors and Omissions Each Occurrence \$1 Million	Current Insurance Levels
Exhibit D Insurance	Technology Errors and Omissions Aggregate \$15 Million	Technology Errors and Omissions Aggregate \$1 Million	Current Insurance Levels
Exhibit D Insurance	Workers Compensation \$2 Million	Workers Compensation \$500 Thousand	Current Insurance Levels
Exhibit D Insurance	Cyber Liability / network Security Each Occurrence \$15 Million	Cyber Liability / network Security Each Occurrence \$1 Million	Current Insurance Levels
Exhibit D Insurance	Cyber Liability / network Security Each Aggregate \$15 Million	Cyber Liability / network Security Each Aggregate \$1 Million	Current Insurance Levels

Exhibit 3

Firm Proposal Terms

Mapcon Technologies, Inc. guarantees that the goods and services offered in the proposal for RFP no. RFP0918005028 are currently available unless otherwise noted. All proposal terms and pricing will remain firm for 120 days after the RFP submission deadline.

Exhibit 4

Background Information

Mapcon Technologies, Inc.
8191 Birchwood Ct, Suite A
Johnston, IA 50131
Office #: 1-800-922-4336 or 515-331-3358
Fax #: 515-331-3373

Mapcon Technologies, Inc. is a 100% employee owned software company that develops, markets, and supports its own CMMS product and houses its headquarters in Johnston, Iowa. Mapcon Technologies, Inc. currently employs 19 people at this location. The company was incorporated in April of 2000 in the State of Delaware. Even though Mapcon Technologies, Inc. was incorporated in the year 2000, the product MAPCON has been on the market for over 35 years. The previous owner of MAPCON, DFM Systems Inc. (also based in Des Moines) sold all rights to the employees of the MAPCON Division at DFM Systems Inc. Mapcon Technologies, Inc. is an entirely self-funded S Corporation. Mapcon Technologies, Inc. uses no out of state contractors and does not outsource any product development or support. Mapcon Technologies, Inc. accounting firm is Meriwether, Wilson and Company, PLLC, 4500 Westown Parkway, Suite 140, West Des Moines, IA 50266.

Respondent Representative for contractual and technical matters for this proposal.

Joel Tesdall
President
8191 Birchwood Ct, Suite A
Johnston, IA 50131
515-331-3358

Request for Taxpayer Identification Number and Certification

► Go to www.irs.gov/FormW9 for instructions and the latest information.

Give Form to the
requester. Do not
send to the IRS.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Mapcon Technologies, Inc.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes

☐ Individual/sole proprietor or single-member LLC

☐ C Corporation

☒ S Corporation

☐ Partnership

☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ►

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ►

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

8191 Birchwood Court, Suite A

6 City, state, and ZIP code

Johnston, IA 50131

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

____ - ____ - ____

or

Employer identification number

4 2 - 1 4 9 9 1 8 4

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign
Here

Signature of
U.S. person ►

Diana Wiand

Date ►

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding later.

Exhibit 5

Experience

Mapcon Technologies, Inc. has been in business since 2000 and the MAPCON product has been in the marketplace since 1982.

- MAPCON Products have been providing the types of services outlined in this RFP for 36 years.
- The team assigned to manage the State of Iowa account has a combined total of over 70 years experience with the types of services outlined in this RFP.

Examples of Cloud Solution Engagements:

City of Garden City – The city of Garden City, Kansas is home to 32,000 residents, and is one of the fastest growing cities in Kansas. The electrical and water utilities divisions within the city are in charge of ensuring over 11,000 businesses and residents have electricity, and over 8,500 have water. Additionally, the departments need to keep track of their 3.5 million dollars worth of inventory, and maintain over 300 miles of sanitary sewer lines. The electric and water departments have been using MAPCON CMMS for this since 2015. They utilize a few of our advanced modules, custom programming, barcoding, and our mobile application.

The University of Notre Dame – The power plant located at the University of Notre Dame has relied on MAPCON since 2011. The power plant provides electricity to over half of the 1,265-acre campus, as well as hot water. Keeping their equipment up and running is critical, which is why they went with MAPCON CMMS. They use some of our advanced modules, and our custom programming to make their system work exactly how they need it to.

Energy XXI – Energy XXI has used MAPCON to manage five oil rigs in the Gulf of Mexico since 2011. The company has 24 concurrent user licenses and over 6,300 assets. The company has our advanced administration and advanced utilities modules. They have also taken advantage of our custom programming capabilities to make their system more personalized to their needs.

Expertise:

Mapcon has been creating and supporting computerized maintenance management systems since 1982. Combined, the Mapcon Technologies, Inc. staff members on the State of Iowa project have over 70 years worth of CMMS knowledge and support. Currently we host over 150 MAPCON Clients on our cloud servers and over 300 MAPCON systems are installed on premises at clients locations worldwide.

Notable Clients include:

Westinghouse Inc.

Kenworth Trucking

The State of Iowa Capitol Complex

NASA

Red Star Yeast
Embry Riddle Aeronautical University
Palm Beach Zoo
Mansfield Plumbing
Kuhn Krause North America

Letters of Reference:

City of Garden City Kansas

Before MAPCON came along, the city's financial auditors had warned us that our inventory control process was not adequate, and we should make some steps to improve it. We ended up hiring a Warehouse Manager who actually had used MAPCON at his previous employer. After purchasing MAPCON, we basically re-did everything involving inventory for the utilities department.

It was a lot of work for us, but with the assistance of MAPCON employees, we ended up with a totally new way of doing business. Then, for the first time ever, we were congratulated by our auditors for making such major improvements. We even had a 100% accuracy rating in inventory and control of that inventory! MAPCON has really helped us a lot, and I look forward to using this software for years to come.

Mike Muirhead
Public Utilities Director
City of Garden City
620-271-1577
301 N. 8th St.
P.O. Box 998
Garden City, KS 67846

Notre Dame University

The University has used MAPCON since 2011. We use the software at our on-campus power plant, which supplies heating and cooling as well as over half of the electricity to the 1,265-acre campus.

When I was first hired, the maintenance system we had was not at all user-friendly. Information from years past was actually being kept with paper files and books, which wasn't ideal. When I was searching for a CMMS, the first thing I noticed about MAPCON was that the main focus of the software was the work aspect, not purchasing or accounting.

One of the main things we use MAPCON for is scheduling preventive maintenance tasks. It's so nice to be able to come in every Monday morning and run a report displaying all the PMs scheduled for the week. It has been a huge time saver! MAPCON has really done some great things for us!

Joe Herman
Power Plant Maintenance Supervisor
University of Notre Dame
574-631-0138

100 Facilities Bldg.
Notre Dame, IN 46556

Lafayette General Medical Center

We have used MAPCON for over 27 years now, and I don't know how the hospital would function without it. We use the software for a lot of things, but the most important thing we use it for is to schedule all of our preventive maintenance items. These tasks are important because as a hospital, we really need to make sure our equipment downtime is minimal. we really can't afford to have our equipment malfunction.

Not only is their software superb, but their customer support staff is great! Every time I call in, I know my issue will be resolved. Even if the resolution doesn't happen on the initial call, I know it will soon.

I've enjoyed working with MAPCON so much, I decided to join their users' group (MUG) and attend their yearly conference. In fact, I am even the President of the users' group now!

I'm incredibly grateful to have MAPCON, and MAPCON's support staff, at my side every day.

Judi Carranza
Administrative Assistant
Lafayette General Medical Center
337-289-7685
1214 Coolidge Avenue
Lafayette, LA 70505

Exhibit 6

Termination, Litigation, and Debarment

Mapcon Technologies, Inc. has never had a contract for goods terminated.

Mapcon Technologies, Inc. has never had any penalties or damages assessed against us.

Mapcon Technologies, Inc. has never had a judgement or decree of any Federal or State authority barring, suspending, or otherwise limiting our rights to engage in any business, practice, or activity.

Mapcon Technologies, Inc. has never had any litigation or threatened litigation to which the company has been a party.

Mapcon Technologies, Inc. has never had any irregularities in any of the accounts of the company

Exhibit 7

Acceptance of Terms and Conditions

Mapcon Technologies, Inc. recognizes that by submitting a Proposal for RFP0918005028 we accept the terms and conditions of the RFP and the General Terms and Conditions. Mapcon Technologies, Inc. has provided exceptions to the provisions laid out within RFP0918005028 in Attachment 4.

Exhibit 8

Attachment #1 Certification Letter

May 31, 2018

Steve Oberbroeckling, Issuing Officer
Iowa Department of Administrative Services
Hoover State Office Building, Level 3
1305 East Walnut Street
Des Moines, IA 50319-0105

Re: Request for Proposal Number RFP0918005028 - PROPOSAL CERTIFICATIONS

Dear Steve:

I certify that the contents of the Proposal submitted on behalf of Mapcon Technologies, Inc. in response to Iowa Department of Administrative Services for Request for Proposal Number RFP0918005028 for Maintenance Management Software are true and accurate. I also certify that Respondent has not knowingly made any false statements in its Proposal.

Certification of Independence

I certify that I am a representative of Respondent expressly authorized to make the following certifications on behalf of Respondent. By submitting a Proposal in response to the RFP, I certify on behalf of the Respondent the following:

1. The Proposal has been developed independently, without consultation, communication or agreement with any employee or consultant to the Agency or with any person serving as a member of the evaluation committee.
2. The Proposal has been developed independently, without consultation, communication or agreement with any other Respondent or parties for the purpose of restricting competition.
3. Unless otherwise required by law, the information found in the Proposal has not been and will not be knowingly disclosed, directly or indirectly prior to Agency's issuance of the Notice of Intent to Award the contract.
4. No attempt has been made or will be made by Respondent to induce any other Contractor to submit or not to submit a Proposal for the purpose of restricting competition.
5. No relationship exists or will exist during the contract period between Respondent and the Agency or any other State agency that interferes with fair competition or constitutes a conflict of interest.

Certification Regarding Debarment

I certify that, to the best of my knowledge, neither Respondent nor any of its principals: (a) are presently or have been debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by a Federal Agency or State Agency; (b) have within a five year period preceding this Proposal been convicted of, or had a civil judgment rendered against them for commission of fraud, a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction, violation of antitrust statutes; commission of embezzlement, theft, forgery, falsification or destruction of records, making false statements, or receiving stolen property; (c)

are presently indicted for or criminally or civilly charged by a government entity (federal, state, or local) with the commission of any of the offenses enumerated in (b) of this certification; and (d) have not within a three year period preceding this Proposal had one or more public transactions (federal, state, or local) terminated for cause.

This certification is a material representation of fact upon which the Agency has relied upon when this transaction was entered into. If it is later determined that Respondent knowingly rendered an erroneous certification, in addition to other remedies available, the Agency may pursue available remedies including suspension, debarment, or termination of the contract.

Certification Regarding Registration, Collection, and Remission of Sales and Use Tax

Pursuant to Iowa Code sections 423.2(10) and 423.5(8) (2013) a retailer in Iowa or a retailer maintaining a business in Iowa that enters into a contract with a state agency must register, collect, and remit Iowa sales tax and Iowa use tax levied under Iowa Code chapter 423 on all sales of tangible personal property and enumerated services. The Act also requires Contractors to certify their compliance with sales tax registration, collection, and remission requirements and provides potential consequences if the certification is false or fraudulent. By submitting a Proposal in response to the (RFP), the Respondent certifies the following: (check the applicable box)

- ☐ Respondent is registered with the Iowa Department of Revenue, collects, and remits Iowa sales and use taxes as required by Iowa Code chapter 423; or
- ☐ Respondent is not a “retailer” or a “retailer maintaining a place of business in this state” as those terms are defined in Iowa Code subsections 423.1(47) and (48).

Respondent also acknowledges that the Agency may declare the Respondent’s Proposal or resulting contract void if the above certification is false. The Respondent also understands that fraudulent certification may result in the Agency or its representative filing for damages for breach of contract in addition to other remedies available to Agency.

Sincerely,

Signature

Name and Title of Authorized Representative

Date

**Attachment #1
Certification Letter**

(Date) _____

Steve Oberbroeckling, Issuing Officer
Iowa Department of Administrative Services
Hoover State Office Building, Level 3
1305 East Walnut Street
Des Moines, IA 50319-0105

Re: Request for Proposal Number RFP0918005028 - PROPOSAL CERTIFICATIONS

Dear Steve:

I certify that the contents of the Proposal submitted on behalf of **(Name of Respondent)** in response to **Iowa Department of Administrative Services** for Request for Proposal Number RFP0918005028 for Maintenance Management Software are true and accurate. I also certify that Respondent has not knowingly made any false statements in its Proposal.

Certification of Independence

I certify that I am a representative of Respondent expressly authorized to make the following certifications on behalf of Respondent. By submitting a Proposal in response to the RFP, I certify on behalf of the Respondent the following:

1. The Proposal has been developed independently, without consultation, communication or agreement with any employee or consultant to the Agency or with any person serving as a member of the evaluation committee.
2. The Proposal has been developed independently, without consultation, communication or agreement with any other Respondent or parties for the purpose of restricting competition.
3. Unless otherwise required by law, the information found in the Proposal has not been and will not be knowingly disclosed, directly or indirectly prior to Agency's issuance of the Notice of Intent to Award the contract.
4. No attempt has been made or will be made by Respondent to induce any other Contractor to submit or not to submit a Proposal for the purpose of restricting competition.
5. No relationship exists or will exist during the contract period between Respondent and the Agency or any other State agency that interferes with fair competition or constitutes a conflict of interest.

Certification Regarding Debarment

I certify that, to the best of my knowledge, neither Respondent nor any of its principals: (a) are presently or have been debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by a Federal Agency or State Agency; (b) have within a five year period preceding this Proposal been convicted of, or had a civil judgment rendered against them for commission of fraud, a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction, violation of antitrust statutes; commission of embezzlement, theft, forgery, falsification or destruction of records, making false statements, or receiving stolen property; (c) are presently indicted for or criminally or civilly charged by a government entity (federal, state, or local) with the commission of any of the offenses enumerated in (b) of this certification; and (d) have not within a three year period preceding this Proposal had one or more public transactions (federal, state, or local) terminated for cause.

This certification is a material representation of fact upon which the Agency has relied upon when this transaction was entered into. If it is later determined that Respondent knowingly rendered an erroneous certification, in addition to other remedies available, the Agency may pursue available remedies including suspension, debarment, or termination of the contract.

Certification Regarding Registration, Collection, and Remission of Sales and Use Tax

Pursuant to *Iowa Code sections 423.2(10) and 423.5(8) (2013)* a retailer in Iowa or a retailer maintaining a business in Iowa that enters into a contract with a state agency must register, collect, and remit Iowa sales tax and Iowa use tax levied under *Iowa Code chapter 423* on all sales of tangible personal property and enumerated services. The Act also requires Contractors to certify their

compliance with sales tax registration, collection, and remission requirements and provides potential consequences if the certification is false or fraudulent.

By submitting a Proposal in response to the (RFP), the Respondent certifies the following: (check the applicable box)

- ☒ Respondent is registered with the Iowa Department of Revenue, collects, and remits Iowa sales and use taxes as required by *Iowa Code chapter 423*; or
- ☐ Respondent is not a "retailer" or a "retailer maintaining a place of business in this state" as those terms are defined in *Iowa Code subsections 423.1(47) and (48)*.

Respondent also acknowledges that the Agency may declare the Respondent's Proposal or resulting contract void if the above certification is false. The Respondent also understands that fraudulent certification may result in the Agency or its representative filing for damages for breach of contract in addition to other remedies available to Agency.

Sincerely,


Signature

Joel Tesdall - President
Name and Title of Authorized Representative

5/31/18
Date

Exhibit 9

Attachment #2

Authorization to Release Information Letter

May 31, 2018

Steve Oberbroeckling, Issuing Officer
Iowa Department of Administrative Services Hoover State Office Building, Level 3
1305 East Walnut Street Des Moines, IA 50319-0105

Re: Request for Proposal Number RFP0918005028 - AUTHORIZATION TO RELEASE INFORMATION

Dear Steve:

Mapcon Technologies, Inc. hereby authorizes the **Iowa Department of Administrative Services** ("Agency") or a member of the Evaluation Committee to obtain information regarding its performance on other contracts, agreements or other business arrangements, its business reputation, and any other matter pertinent to evaluation and the selection of a successful Respondent in response to Request for Proposal (RFP) Number RFP0918005028.

The Respondent acknowledges that it may not agree with the information and opinions given by such person or entity in response to a reference request. The Respondent acknowledges that the information and opinions given by such person or entity may hurt its chances to receive contract awards from the State or may otherwise hurt its reputation or operations. The Respondent is willing to take that risk.

The Respondent hereby releases, acquits and forever discharges the State of Iowa, the Agency, their officers, directors, employees and agents from any and all liability whatsoever, including all claims, demands and causes of action of every nature and kind affecting the undersigned that it may have or ever claim to have relating to information, data, opinions, and references obtained by the Agency or the Evaluation Committee in the evaluation and selection of a successful Respondent in response to the RFP.

The Respondent authorizes representatives of the Agency or the Evaluation Committee to contact any and all of the persons, entities, and references which are, directly or indirectly, listed, submitted, or referenced in the Respondent's Proposal submitted in response to RFP.

The Respondent further authorizes any and all persons, and entities to provide information, data, and opinions with regard to its performance under any contract, agreement, or other business arrangement, its ability to perform, business reputation, and any other matter pertinent to the evaluation of the Respondent's Proposal. The Respondent hereby releases, acquits and forever discharges any such person or entity and their officers, directors, employees and agents from any and all liability whatsoever, including all claims, demands and causes of action of every nature and kind affecting the Respondent that it may have or ever claim to have relating to information,

data, opinions, and references supplied to the Agency or the Evaluation Committee in the evaluation and selection of a successful Respondent in response to RFP.

A photocopy or facsimile of this signed Authorization is as valid as an original.

Sincerely,

Signature

Name and Title of Authorized Representative

Date

Attachment #2
Authorization to Release Information Letter

(Date) _____

Steve Oberbroeckling, Issuing Officer
Iowa Department of Administrative Services
Hoover State Office Building, Level 3
1305 East Walnut Street
Des Moines, IA 50319-0105

Re: Request for Proposal Number RFP0918005028 - AUTHORIZATION TO RELEASE INFORMATION

Dear Steve:

(Name of Respondent) hereby authorizes the **Iowa Department of Administrative Services** ("Agency") or a member of the Evaluation Committee to obtain information regarding its performance on other contracts, agreements or other business arrangements, its business reputation, and any other matter pertinent to evaluation and the selection of a successful Respondent in response to Request for Proposal (RFP) Number RFP0918005028.

The Respondent acknowledges that it may not agree with the information and opinions given by such person or entity in response to a reference request. The Respondent acknowledges that the information and opinions given by such person or entity may hurt its chances to receive contract awards from the State or may otherwise hurt its reputation or operations. The Respondent is willing to take that risk.

The Respondent hereby releases, acquits and forever discharges the State of Iowa, the Agency, their officers, directors, employees and agents from any and all liability whatsoever, including all claims, demands and causes of action of every nature and kind affecting the undersigned that it may have or ever claim to have relating to information, data, opinions, and references obtained by the Agency or the Evaluation Committee in the evaluation and selection of a successful Respondent in response to the RFP.

The Respondent authorizes representatives of the Agency or the Evaluation Committee to contact any and all of the persons, entities, and references which are, directly or indirectly, listed, submitted, or referenced in the Respondent's Proposal submitted in response to RFP.


The Respondent further authorizes any and all persons, and entities to provide information, data, and opinions with regard to its performance under any contract, agreement, or other business arrangement, its ability to perform, business reputation, and any other matter pertinent to the evaluation of the Respondent's Proposal. The Respondent hereby releases, acquits and forever discharges any such person or entity and their officers, directors, employees and agents from any and all liability whatsoever, including all claims, demands and causes of action of every nature and kind affecting the Respondent that it may have or ever claim to have relating to information, data, opinions, and references supplied to the Agency or the Evaluation Committee in the evaluation and selection of a successful Respondent in response to RFP.

A photocopy or facsimile of this signed Authorization is as valid as an original.

Sincerely,



Signature



Name and Title of Authorized Representative


Date

Exhibit 10

Mandatory Specifications

4.1 Overview

Mapcon Technologies, Inc. understands the overview provided within this section and responses to the specifications are listed below

4.2 All answers to Mandatory Specifications are listed below:

4.2.1 Yes. MAPCON is currently installed on The State of Iowa DAS server as it is currently being used by the DAS Capitol Complex. Additional references below:

Mike Muirhead
City of Garden City
620-271-1577
301 N. 8th St.
P.O. Box 998
Garden City, KS 67846

Joe Herman
University of Notre Dame
574-631-0138
100 Facilities Bldg.
Notre Dame, IN 46556

Judi Carranza
Lafayette General Medical Center
337-289-7685
1214 Coolidge Avenue
Lafayette, LA 70505

4.2.2.1 Yes. Mapcon Technologies, Inc. agrees that the system will be functional and all work will be completed within 30 days after being awarded the contract.

4.2.2.2 Yes. MAPCON Mobile can be installed and uninstalled on mobile devices using either Android or iOS

4.2.2.3 Yes. MAPCON Mobile functions on both iOS and Android operating systems. The MAPCON software application operates on Microsoft Windows operating systems from Window XP to Windows 10.

4.2.3 Implementation

Yes. Mapcon Technologies, Inc. will not need to convert any data from your current MAPCON system.

4.2.4 Post Delivery Documentation

Yes. Operator Instructions are included inside the MAPCON software underneath the help menu.

Yes. Service and Operating Manuals are provided within the MAPCON software underneath the help menu.

4.2.5 Maintenance and Support Services

4.2.5.1 Yes. Mapcon Technologies, Inc. agrees to perform all scheduled and on-call maintenance to the system

4.2.5.2 Yes. Mapcon Technologies, Inc. agrees to provide same-day response time on issues and outages

4.2.6 Training

Yes. Mapcon Technologies, Inc. will provide user training and administrator training per the RFP specifications.

Exhibit 11

Mandatory Delivery, Installation, Training, Support and Maintenance Requirements

5.2.1 and 5.2.2

Mapcon Technologies, Inc. will agree to deliver “all” goods and services we propose and receive DAS acceptance not more than 30 calendar days after contract execution as stated in the RFP. This includes: installing MAPCON and all proposed software and becoming operational on a DAS-ITE server (made available for acceptance testing) and completing all MAPCON training. Mapcon Technologies, Inc. will be responsible for installing and certifying the system readiness for acceptance testing

5.2.3

Mapcon Technologies, Inc. will hold our goods and services under warranty for one year following acceptance.

The following is the MAPCON Warranty extracted from the MAPCON Software License. 90 days will be changed to one year after acceptance:

4.0. LIMITED WARRANTY, DISCLAIMER OF OTHER WARRANTIES AND LIMITATION OF LIABILITY

- 4.1. The warranty period shall be ninety plus (90+) days beginning the day after date of purchase and continuing for ninety (90) days plus the additional days to the end of that calendar month. Mapcon Technologies, Inc. warrants to Customer during the Warranty period that the Software will perform substantially in accordance with the specifications set forth in the on-line Documentation and that the media containing the Software will be free from manufacturing defects in materials and workmanship at the time of delivery to Customer.
- 4.2. Customer must notify Mapcon Technologies, Inc. in writing within ninety (90) days of delivery of the Software to Customer of any claimed error or defect in the Software or of its failure to perform substantially in accordance with the specifications set forth in the on-line Documentation. Mapcon Technologies, Inc. will correct by replacement or repair any Software so identified.
- 4.3. This warranty does not cover Software which has been modified by anyone other than Mapcon Technologies, Inc. Mapcon Technologies, Inc. is not responsible for problems caused by computer hardware, computer operating systems, or the use of the Software in conjunction with computer programs not supplied to Customer by Mapcon Technologies, Inc.
- 4.4. Customer agrees that Mapcon Technologies, Inc.’s liability, if any, arising out of or in connection with the delivery, use or performance of the Software shall not exceed the amount of the fees previously paid by Customer to Mapcon Technologies, Inc. for the use of the Software.

4.5. THE EXPRESS WARRANTY PROVIDED IN PARAGRAPHS 4.1 THROUGH 4.5 IS A LIMITED WARRANTY MADE BY MAPCON TECHNOLOGIES, INC. MAPCON TECHNOLOGIES, INC. MAKES AND CUSTOMER RECEIVES NO OTHER WARRANTY WHETHER WRITTEN, ORAL, EXPRESSED, IMPLIED OR STATUTORY EXCEPT AS STATED IN THIS AGREEMENT AND/OR THE SOFTWARE SUPPORT AGREEMENT SIGNED BY THE CUSTOMER AND MTI. ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. MAPCON TECHNOLOGIES, INC. SHALL NOT IN ANY CASE BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, INDIRECT OR OTHER SIMILAR DAMAGES INCURRED BY ANY PERSON, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR SUCH CLAIMS.

5.2.3.1

MAPCON Technical support is available 8 AM to 5 PM CST, Monday through Friday. Technical support can be obtained for system outages, problems, help desk services and support for MAPCON by telephone or email.

- MAPCON Support Toll Free number 1-800-223-4791 (Local 515-331-3358)
- MAPCON Support Email – support@mapcon.com

5.2.3.2

The following is the MAPCON maintenance and support services delivered with our support contract extracted from the MAPCON Software Support Agreement.

5.0 MAPCON SOFTWARE SUPPORT SERVICES

5.1 MAPCON Software Support Services include:

1. Telephone Support
2. Software Repair Services
3. Extras such as e-mail support and MAPCON Support Website access
4. Minor version upgrades as determined by MTI

5.2 Telephone Support is provided Monday through Friday, exclusive of holidays, from 8:00 a.m. to 5:00 p.m. Central time.

5.3 In addition to repairs provided during the Warranty Period (see section 2.3), Software Repair

Services under this agreement provide the Customer with the assurance that if the Software does

not function substantially as specified in the on-line documentation, Mapcon Technologies, Inc. will at no additional

cost to the Customer, use commercially reasonable efforts to correct reproducible errors.

Timing

of such error correction shall be affected in relation to the severity of the error. Error that

prevents accomplishment of an operational function may be considered of higher importance and

addressed with more urgency than an error that causes inconvenience.

5.4 Extras include:

1. Customer will receive issues of Mapcon Technologies, Inc.'s technical bulletins and newsletters as issued.

2. Mapcon Technology, Inc. will provide essential Remote Support Services. Customer will be responsible

for providing the appropriate secure communications method and remote access software.

5.5 Mapcon Technologies, Inc. will support a Valid Customization to MAPCON□□Software.

If Software was customized by Mapcon Technologies, Inc., we have the source code and documentation. If Software was customized by a previously authorized MAPCON Dealer, then Customer, at customer's expense, must provide source code and any available documentation to Mapcon Technologies, Inc. in order to receive services related to customized software.

Mapcon Technologies, Inc. will also respond to any State of Iowa reported issues within 2 hours during the above hours of 8:00 a.m. to 5:00 p.m. Central time, Monday through Friday, exclusive of holidays.

5.2.3.3 – 5.2.3.10

Maintenance services for the second year for the MAPCON software will be provided for the cost stated in the cost proposal. Mapcon Technologies, Inc. agrees that Annual Maintenance services fee will not increase by any more than 5% per year after the initial year of paid maintenance.

Mapcon Technologies, Inc. support and maintenance contract for the MAPCON software will include all patches and enhancements as they are released. The MAPCON support contract will also include upgrades and system optimization or reconfiguration. Mapcon Technologies, Inc. can provide patches, enhancements and upgrades with full documentation at the request of the DAS. Services will be provided to take the appropriate actions necessary to correct errors or ensure continuous operation of MAPCON. Mapcon Technologies, Inc. will provide a commercially reasonable level of service to provide corrective action if the software stops working or operates incorrectly as a result of DAS applying anti-virus or security patches to the network. Support services will be provided within two hours of receiving a request for service during the hours of 7:00 a.m. to 5:00 p.m. Central time, Monday through Friday, exclusive of holidays. Mapcon Technologies, Inc. will provide in-depth, train-the-trainer training for two DAS/CCM employees for them to train other DAS personnel in the use and operation of MAPCON. Mapcon Technologies, Inc. can also provide on-site maintenance and technical support on a case by case basis as Mapcon Technologies, Inc.'s office is located within 15 minutes of the State of Iowa offices.

Mandatory System Requirements

5.3.1

MAPCON is currently running on the State of Iowa Active Directory Forest and will make every effort to make it compatible with future changes to the Active Directory Forest.

5.3.2

MAPCON is compatible with Windows Microsoft on workstations and Windows Surface Tablets. Mapcon Technologies, Inc. will make every effort to support Windows updates within 90 days of the release.

5.3.3

MAPCON is a comprehensive, full-featured maintenance management system implemented in hundreds of locations including DAS currently. MAPCON uses concurrent licensing to allow from one to several hundred or even thousands of simultaneous log-ins per the software configuration determined by the client.

5.3.4

MAPCON can be backed up and restored from a central storage management solution of the DAS choosing. Mapcon Technologies, Inc. can provide a test system for DAS testing purposes.

5.3.5

Mapcon Technologies, Inc. has developed a stand-alone mobile application that can be downloaded from either the Google Play store or the Apple App Store. With the barcoding module mobile devices can utilize the built-in camera to scan barcodes. Mobile devices can send information to the MAPCON software either while being connected to a local wireless network or while utilizing a cellular connection. Mobile device users can also dispatch work orders and generate and email reports within the mobile application.

Mandatory Application Requirements

5.4.1

For the last 30 years, MAPCON's design has been and continues to be based on the input of hundreds of maintenance professionals with various levels of computer experience. Mapcon Technologies, Inc. has gone to great lengths to make MAPCON easy to use for both the novice and expert user. Some of these ease of use features include:

- Minimizing keystrokes and mouse clicks
- Color coded fields
- Reducing user choices with user defined menus

- Easy to use lookups with search and filter capabilities
- Easy to read and click function buttons
- Simplified work order creation and completion processes
- Field level help
- Consistent form for all windows and function keys

Screenshots as follows:

MAPCON Screenshots

After the Fact Work Orders

File Edit Navigate Utilities Help

WO # Type Status Site Zone

Main | **Timecards** | Materials | Mileage | Charges | **Charge Codes** | Costs

Date Completed: By

Equipment

Location

Equipment Hierarchy

Out of Service Time

Return to Service Time Actual Downtime: Hrs

Failures / Causes / Actions

Failure Code	Failure Description	Cause Code	Cause Description	Action Code	Action Description

Work Description

Comments

Menu After the fact wo Opened(After the fact wo)

Cost Centers

File Edit Navigate Utilities Help

Cost Center Year to Date Lifetime

Lookup | By Maintenance Category | By Maintenance Cost Type | **Direct Costs** | **Direct Costs**

Fiscal Costs by Maintenance Category

FY	Equipment	Locations	Cost Center	Total
Costs				
Totals				

Menu Cost Center Costs Real Successful

Cost Transactions

Dispatch Work Orders

File Edit Navigate Utilities Help

Lookup Home
 Refresh
 New Record
 Save Record
 First
 Previous
 Next
 Last
 Close
 Cancel
 Help

Employee # Name

Lookup **Dispatched Work Orders**

Shell Bc Employees Shift/Time Main - Manufacturing

Last Name	First Name	Employee ID	Date Employed
Anderson	WILLIAM	39	
Armstrong	Robert	25-337	08/30/2016
ATHERTON	TOM	12	03/15/2016
Boughton	Paul	7188	04/20/2016
BROWN	GEORGE	50	05/08/2015
CARNETTI	ANTHONY	55	02/24/2016
CHRISTENSEN	SALLY	85	03/24/2016
CONTRACT WORKER		C-1	
CONTRACT WORKER		C-2	
COTTON	ALTONA	90	09/25/2016
DAGOSTINO	CINDY	40	12/24/2015
DAWROSE	ALEX	60	01/05/2016
DAW	John	123	02/03/2016
DOWNEY	SUSAN	65	08/29/2016
Ellis	bob	987654	
GORDON	PAUL	30	09/22/2016

Menu **Dispatch Work Orders** Query Success

Inventory (Non-Advanced)

File Edit Navigate Utilities Help

Excel Report Import Generator

Lookup Home Refresh New Record Save Records First Previous Next Last Close Cancel Help

Stock # 11650 Keyword FILTER ☐ Critical Spare ☐ Repairable

Unit Cost 0.0000 Classification A Status Shelf Stock ☐ SDS

Stock Description

Hydac type DFBH-HC50G10C1 0- up to 420 bar filter housing

Stockrooms

Stockrooms	Designation	Planned
0001	Hyd	

SKU EA ☐ Tax Exempt

Menu Inventory Read Successful

Meter-Gauge

File Edit Navigate Utilities Help

Lookup Home Refresh New Record Save Records First Previous Next Last Close Cancel Help

Eqp# 11650

Meters

Meter	New Reading	New Date	New Total	Days up	Last Reading	Last Date	Last Total	Units
			1000.00	620	1000.00	00-00-0018	1000.00	100000

Gauges

Gauge	New Reading	New Date	Last Reading	Last Date	Unit
			1000.00	00-00-0018	1000.00

Menu Equipment Meter Gauge Read Successful

Perform Checklists (Quick Checklists)

File Edit Navigate Utilities Help

PERFORMING SIMPLE CHECKLISTS

- Click a Checklist to view Equipment for that Checklist.
- Check **All** for All Equipment for that checklist.
- Individually check **Do** for desired Equipment.
- Click **Ready to Process** after making selections.
- Fill out each Checklist or dispatch then save.

Checklists

Checklist	Description	Rev
Checklist 1	Equipment Maintenance Checklist	1

Equipment with Checklists

Equipment	Description	Rev	Checklist
123-456789	Equipment Description	1	Checklist 1
987-654321	Equipment Description	2	Checklist 1
555-11111	Equipment Description	1	Checklist 1
222-33333	Equipment Description	1	Checklist 1
777-88888	Equipment Description	1	Checklist 1

Checklist: Revision:

Reference: Pri:

Responses:

Equipment	Description	Rev	Checklist
123-456789	Equipment Description	1	Checklist 1
987-654321	Equipment Description	2	Checklist 1
555-11111	Equipment Description	1	Checklist 1
222-33333	Equipment Description	1	Checklist 1
777-88888	Equipment Description	1	Checklist 1

Dispatch To: Schedule ☐ Completed ☐

Menu Perform Checklists

Executing (Process Checklists)

PM Description

File Edit Navigate Utilities Help

Excel Report Import Generator

Lookup Home Refresh New Record Save Record

First Previous Next Last Close Cancel Help

PM Procedure # Title

Lookup Main Equipment Location Cost Centers/Routes Labor Materials / Tools Cycles Sites Attachments Revisions

Search PM Procedures Main

Results

PM Proc #	Title	Approved	Work Order Type	Pending R.
PM0001	VERIFICATION / INSPECTION (MONTHLY)	Yes	Inspection Preventive Maintenance	
PM0002	TRANSFORMER OVERHEAT CHECK (WEEKLY)	Yes	Inspection Preventive Maintenance	
PM0003	OIL CHANGE (TRANSPORTATION)	Yes	Inspection Preventive Maintenance	
PM0004	LUBRICATION REQUIREMENTS (MONTHLY)	Yes	Inspection Preventive Maintenance	
PM0005	OSHA INSPECTION PREP (SEMI-ANNUALLY)	Yes	Inspection Preventive Maintenance	
PM0006	CLEAN HEAVY EQUIPMENT (MONTHLY)	Yes	Inspection Preventive Maintenance	
PM0007	HEAVY EQUIPMENT (QUARTERLY)	Yes	Inspection Preventive Maintenance	
PM0008	HEAVY EQUIPMENT (ANNUALLY)	Yes	Inspection Preventive Maintenance	
PM0009	SEASONAL TRANSPORTATION CHECKLIST	Yes	Inspection Preventive Maintenance	
PM0010	PUMP EQUIPMENT INSPECTIONS	Yes	Inspection Preventive Maintenance	
PM0011	PRODUCTION LINE INSPECTION	Yes	Inspection Preventive Maintenance	
PM0012	EOP OIL PM	Yes	Inspection Preventive Maintenance	
PM0013	HVAC INSPECTION ROUTE (SEASONAL)	Yes	Inspection Preventive Maintenance	
PM0014	WINTER SEASON HYDRANT WATER REMOVAL	Yes	Inspection Preventive Maintenance	
PM0015	PRESSURE GAUGE CALIBRATION (ANNUAL)	Yes	Inspection Preventive Maintenance	
PM0016	RE-LAMPING OF SCHOOL DISTRICT BUILDINGS (MONTHLY)	Yes	Inspection Preventive Maintenance	

Menu PM Description

Query Success

Project

File Edit Navigate Utilities Help

Report Generator

Lookup Home Refresh New Record Save Record First Previous Next Last Close Cancel Help

Project # Project Name Status

Lookup Main Design Ideas Costs

Active (Approved) Site Main

Results

Project	Title
000004	Original Project
000005	Test Project
000006	Shutdown Project
000007	test project

Menu Project Data Entry

Query Success

Routes

File Edit Navigate Utilities Help

Report Generator

Lookup Home Refresh New Record Save Record First Previous Next Last Close Cancel Help

Route # Desc:

Lookup Stops Safety Procedures Notes Pre Procedures Post Procedures Open Work Orders Costs

Summary

Site Zone

Rating ☐ Print Route Form with Work Order

Equipment, Locations and Cost Centers on this Route

Equip	Cost	Description	Location	Match
Equipment	TC-01-2101	Process 1 Equipment		
Equipment	TC-01-2814	Process 2 Equipment		
Equipment	TC-01-2814	Process 3 Equipment		
Equipment	GLC-04-2814	Process 4 Equipment		

Menu Routes

Read Successful

Mr. J. M. Langdon - U.P.S. Rep.

Excel Report
Import Generator

Lookup Home Refresh New Record Save Record First Previous Next Last Close Cancel Help

Vendor/Mfg # 000000094 Name Test Vendor Type Vendor

Lookup Main Advanced Equipment Manufacturers Inventory Purchasing Technician Products/Services Sales

Inside Contact Joe Smith Phone 555-555-5555 Vendor Fax #

Outside Contact Phone

Email none@none.com Contract # 1 Rating 1

Web Site www.mapcon.com Insurance Certificate Expires

Terms 1 Terms% 0.00 Days in Term 1 Days for Discount 1

Address 1234 Main St Country USA City New York State NY Zip Code 10001

Menu Vendors/Manufacturers Read Successful

Work Order -Batch Complete/Cancel

The screenshot shows the SAP 'Check Work Orders to Complete' interface. At the top, there are navigation icons (Back, Forward, Home) and a menu bar (File, Edit, Navigate, Utilities, Help). Below the menu bar, there's a header area with fields for 'Ref By' (JocRash), 'To Complete (All)', 'Title Code' (Main - Manufacturing), and a search icon. A toolbar contains buttons: 'Complete All' (with a green checkmark), 'Complete Checked WOs' (with a yellow key icon), 'Complete All and Set Completion Name' (with a yellow key icon), 'Cancel Checked WOs' (with a red X icon), and a 'Print' button.

The main window title is 'Check Work Orders to Complete'. It features a table with columns: 'WZ', 'Eign', 'Problem', 'Comp', 'Date Comp.', 'Time', 'Inv', 'Assign Comments', and 'Cancel'. The table lists various work orders (e.g., 001307, 001308, 001309) and their completion status. The 'Comp' column has checkboxes, and the 'Cancel' column has a vertical stack of buttons. The bottom status bar shows 'Work Order Batch Comple...' and 'Query Success'.

Work Order -Initiation

File Edit Navigate Utilities Help

Report Generator

Lookup Home Refresh New Record Status Priority

WO Type Status Priority

Lookup Main Other Information Adjuncts (Relators)

From Initiated Work Orders New Zone Map - Manufacturing

Results

WO #	Type	Co	Eqp / Loc / Cost Center / Route	Equip Description	Work Description	Priority	Request
001357	Repair	Equipment	10-100	#10 1500/2000 KVA DR	testing work orders	HIGH	04/23/2018
001358	Repair	Equipment	10-100	#10 1500/2000 KVA DR		HIGH	04/04/2018
001344	Follow-Up	Work					
001336	Follow-Up	Equipment	10-100	#10 1500/2000 KVA DR		HIGH	03/09/2018
001325	Repair	Equipment	10-100	#10 1500/2000 KVA DR	broken	WEEK	02/27/2018
001324	Repair	Equipment	10-100	#10 1500/2000 KVA DR		HIGH	02/15/2018
001320	Repair	Equipment	10-100	#10 1500/2000 KVA DR		WEEK	02/09/2018
001313	Repair	Equipment	10-100	#10 1500/2000 KVA DR		WEEK	02/19/2018
001316	Repair	Location	MALL A-BURGER KING	MALL A-BURGER KING	burger long is on fire	HIGH	02/07/2018
001314	Repair	Location	1234 ST	1234 ST	bathroom sink is leaking	WEEK	02/15/2018
001312	Repair	Equipment	10-100	#10 1500/2000 KVA DR		HIGH	01/09/2018
001302	Inspection	Equipment	10-100	#10 1500/2000 KVA DR	Complete Checklist	HIGH	01/25/2018
001261	Service Work O	Equipment	PG-01	PUMPING STATION #1		WEEK	10/12/2017
001198	Service Work O	Location	CONNECTING PLACE	CONNECTING PLACE	convert the room to eating set up for 30	WEEK	
001185	Inspection	Equipment	PG-01	PUMPING STATION #1	1. Check Filter 2. Check flow 3. Check	HIGH	04/21/2017

Menu Work Order Initialization Query Success

Work Order Planning

File Edit Navigate Utilities Help

Report Generator

Lookup Home Refresh New Record Status Priority

WO Type Status Priority

Lookup Main Other Information Safety Labor Planning Materials Tools Purchased Markings Costs Rawlogs

From Planned Work Orders New Zone Map - Manufacturing

Results

WO #	Type	Co	Eqp / Loc / Cost Center / Route	Equip Description	Work Description	Priority	Request
001332	Repair	Equipment	10-100	#10 1500/2000 KVA DR	broken broken	HIGH	03/07/2018

Menu Work order data entry Query Success

Work Order -Update and Completion

File Edit Navigate Utilities Help

Report Generator

Lookup Home Refresh New Record Save Return First Previous Next Last Close Cancel Help

WO # Type Status Site/Zone

Lookup Main Work Description Location/Map Terminals Panel Block Purchasing Meters/Gauges Attachments Costs Revisions

Sort By All Open Work Orders By Zone Main - Manufacturing

Results

WO #	Type	Eq	Equip Loc	Equip Desc	Equip Desc	Equip Desc	Priority	Request
001307	Repair	Equipment	10-100	#10 1500/2000 KVA DRY	lessing work orders		HIGH	04/23/2018
001355	Repair	Equipment	10-100	#10 1500/2000 KVA DRY			HIGH	04/05/2018
001363	Repair	Equipment	10-100	#10 1500/2000 KVA DRY			HIGH	04/04/2018
001344	Follow-Up Work	Equipment	10-100	#10 1500/2000 KVA DRY			HIGH	03/09/2018
001338	Repair	Equipment	10-100	#10 1500/2000 KVA DRY	broken broken		HIGH	03/07/2018
001322	Repair	Equipment	10-100	#10 1500/2000 KVA DRY	broken		WEEK	02/07/2018
001324	Repair	Equipment	10-100	#10 1500/2000 KVA DRY			HIGH	02/16/2018
001326	Repair	Equipment	10-100	#10 1500/2000 KVA DRY			WEEK	02/16/2018
001319	Repair	Equipment	10-100	#10 1500/2000 KVA DRY			WEEK	02/19/2018
001316	Repair	Location	MALL 4*BURGER KING	MALL 4*BURGER KING	burger king is on fire		HIGH	02/07/2018
001314	Repair	Location	1234 ST	1234 ST	bathroom sink is leaking		WEEK	01/15/2018
001311	Repair	Equipment	10-100	#10 1500/2000 KVA DRY			HIGH	01/30/2018
001311	Repair	Equipment	10-100	#10 1500/2000 KVA DRY	leeds fixed		HIGH	02/01/2018
001304	Inspection Prev	Equipment	10-100	#10 1500/2000 KVA DRY	Complete Checklist		HIGH	01/25/2018

Menu Update and Complete Data Query Success

Work Request -Browse Active + History

File Edit Navigate Utilities Help

Lookup Home Refresh New Record Save Return First Previous Next Last Close Cancel Help

WR # Status By Date

Lookup Main Work Description

Sort By Work Request # By Zone Main - Manufacturing

Results

Work	Work Request Area	Description	Work Problem	Status	Requester	Date	Priority
000124	Building 4 First Floor on 2nd Floor		Water leaking	Initiated	Cory Lister	02/02/2018	High
000120	10-100	#10 1500/2000 KVA DRY-TYPE	Broken again	Initiated	Cory Lister	10/24/2017	Emergency
000095	Transformer		Broken	Initiated	Cory Lister	06/16/2017	Emergency
000069	transformer		broken	Initiated	Cory Lister	06/16/2017	Emergency
000031	700		Exhaust fan is not working	Initiated	MAINTENANCE	11/28/2016	
000030	2nd Floor Mezzanine		Loose carpet is coming up	Initiated	John Doe	11/28/2016	
000026	Outside garage		Ice is forming and freezing under	Initiated	John Doe	11/25/2016	
000025	331-545-10		Leaking and emitting white smoke	Initiated	Al Cotton	11/24/2016	
000024	LINE 2		Line -2 production area 7 has a	Initiated	MAINTENANCE	11/24/2016	
000021	PRESS		Hammer is losing it's impact	Initiated	MAINTENANCE	11/10/2016	
000020	Production line 3		Looks like something spilled on	Initiated	John Doe	11/07/2016	

Menu Work Request Active Browse Query Success

File Edit View System Utilities Help

Report Generator Lookup Home Refresh New Record Save Record Print Previous Next Last Close Cancel Help

Wk# Status Name Date Import & Merge

Lookup Main (Asynchronous)

Work Request # Main - Manufacturing

Results

Work	Work Request #	Description	Work Problem	Status	Requested By	Date	Priority
000124	10-100	#10 15002000 KVA DRY TYPE	Broken again	Initiated	Cory Lister	02/20/2018	High
000095	Transformer		Broken	Initiated	Cory lister	10/24/2017	Emergency
000089	transformer		broken	Initiated	cory lister	05/16/2017	Emergency
000031	700		Exhaust fan is not working. We	Initiated	MAINTENANCE	11/28/2016	
000000	2nd floor Mezzanine		Loose carpet is coming up	Initiated	John Doe	11/28/2016	
000026	Outside garage		Ice is forming and freezing under	Initiated	John Doe	11/25/2016	
000025	331-546-10		Leaking and emitting white smoke	Initiated	W. Cotton	11/24/2016	
000024	LINE 2		Line -2 production area 7 has a	Initiated	MAINTENANCE	11/24/2016	
000021	PRESS		Hammer is loosing it's impact	Initiated	MAINTENANCE	11/10/2016	
000020	Production line 3		Looks like something spilled on	Initiated	John Doe	11/07/2016	

Work Request Transformer Query Success

5.4.2

MAPCON is fully Web enabled as it utilizes private and optionally public internet networks to communicate from the client to the server as well as from the mobile application to the server.

5.4.3

MAPCON contains over 300 standard reports and includes two different report generators. The quick report generator is designed for end user's and will allow for point and click reporting on many different fields inside the software. The second report writer is a more advanced SQL report writer that will allow for more powerful reporting upon any of the data tables within the MAPCON SQL database. As requested, the following features and reports have been provided at the end of this section for your review unless otherwise noted below:

- Parent/Child hierarchy setup and structure for both Equipment and Locations
- Calendar Based Scheduling Feature for both PM and Repair issues
- Human Resource application for tracking hourly rates and employee information
- The auto-dispatching and notifications of work orders is currently customized for DAS, to their specifications, through the use of the MAPCON html "work request" page. This customized page could be utilized by other state agencies if they choose to adopt MAPCON.
- The system allows and tracks Assets and tracks the life cycle costs for each asset. A Sample Asset Cost report is attached.
- Reports of time usage by group, individual, location, and/or device
 - Amount of time scheduled to complete assigned tasks
 - Actual time expended to complete assigned tasks
- Project Module allows the design of the project and for multiple work orders to be assigned to the project
- Any report in the MAPCON system can be exported to Excel. If the MAPCON system currently implemented at DAS does not provide individual work order costs to be exported to excel MAPCON can create the desired report at minimal to no charge.
- MAPCON provides several ways of extracting data to allow for trend and statistical analysis. Many reports currently have analytic data associated with them (examples provided). MAPCON comes with a powerful Business Intelligence report writer and will allow any SQL data table in MAPCON to be reported against. As the MAPCON system is installed on a DAS server, DAS-ITE will also have direct access to the MAPCON database and can utilize other SQL report writers or even extract raw data from the database itself.
- The current MAPCON Mobile application functions on cellular and wi-fi mobile devices that operate on either an Android or Apple operating system
- Examples of the above solutions are provided in the following pages

MAPCON Screenshots and Report Examples

Company Name: MAPCON

Company Information: Test621

Report Description: Equipment Hierarchy

User: MAPCON Administrator

Date: 05/21/2018

Time: 02:19 PM

Filter

Zones: Main - Manufacturing, Secondary - main, Main - Operations, Main - Facilities, Main - Misc.(Maintenance)

Notes

Equipment Hierarchy
Site Main Zone Manufacturing

Location:

102 PRODUCTION -LINE 2 MAIN PLANT

102-200 CONTROL SYSTEM AND INSTRUMENT PANEL LINE-2

102-200-1 SUB PANEL CIRCUITS -LINE 2

102-300 REFRIGERATION COMPRESSOR

102-300-1 MOTOR FOR THE COMPRESSOR ON LINE-2

102-300-1B PIPING AND EQUIPMENT FOR REFRIGERATION COMPRESSOR LINE -2

102-A SUB LINE A FOR PRODUCTION LINE 2

123456 boiler two piece of

500

7 MAIN HVAC SYSTEM -PLANT #1

700 MAIN HVAC SYSTEM-DUCT SYS A40-FAN SIZE 20-1

700-7 NORTEC MP500 HUMIDIFIER

800

900

900-1

950-H HOIST SYSTEM -PRODUCTION (WEST)

BUILDING-1 MAIN BUILDING # 1

C100 Thing

Location: BLDG_A

710 A/C CHILLER UNIT (MAIN ROOF) #1

Location: BUILDING Z*1ST FLOOR

TH-02 TAR-HEATER

Location: BUILDING Z*1ST FLOOR*WEST WING*CONFERENCE ROOM

IG-500 ASHCROFT PRESSURE GAUGE

Location: BUILDING3

10-100 #10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR

CONV-1 MAIN CONVEYER FROM RAW MATERIALS RECEIVING DOCK

CONV-1-M MAIN MOTER FOR CONV-1

CONV-1-M-C AUTOMATIC MOTOR DIAGNOSTIC

CUTTER-A1 FIBERGLASS CUTTER

MAPCON

SS-03 STACKING CONVEYER

SW-JK SHINGLE STACKER

TG-MIX TAR-GRAVEL MIXER FOR SHINGLE PRODUCTION

Location: PLANT

331-545-10 RECIRCULATING PUMP

PS PUMPING STATIONS

PS-01 PUMPING STATION #1

Location: PLANT*FACILITIES

ST-500 FUEL OIL STORAGE TANK (1500 GAL.)

Location: PLANT*PRODUCTION

501 HORIZONTAL CENTRIFUGAL PUMP -LIQUID

Location: PLANT*PRODUCTION*LINE-2

103 PRODUCTION -LINE 2 MAIN PLANT - BACKUP

103-200 CONTROL SYSTEMS AND INSTRUMENTATION - BACKUP

103-200-1 SUB PANEL CIRCUITS - LINE2 - BACKUP

Location: PLANT*PRODUCTION*LINE-2*REPO-ROOM

900-2 EAST PRODUCTION SEPARATOR

Location: FACILITIES

370-T 1/2 TON CHEVY PKUP -TRANSPORTATION DIV.

Location: FACILITIES*ANNEX_1A

550-T 2005 CHEVY SUBURBAN -TRANSPORTATION DIV

650-T 2005 FORD VAN

Location: PLANT*FACILITIES

FL-100 FORKLIFT AND VEHICLE STORAGE GROUP 1

FL-1001 FORKLIFT # 1

Date: 05/21/2018

Equipment Hierarchy
Site Main Zone Misc.(Maintenance)

Time: 02:19 PM

Location: FACILITIES*ANNEX_2
101-T SUN DIAGNOSTIC CENTER 4-X1
33-15 MILLER GAS WELDER SERIAL # 33-15501-3
500-HIE 130X 20T CAT SCRAPER /LOADER

Location:

HYDRANT-6 SIXTH HYDRANT, BASEMENT, WING-B

Location: KING-HOSP

HYDRANT-4 FOURTH HYDRANT, SOUTHEAST SECTION, WING-B ,S

HYDRANT-5 FIFTH HYDRANT, SOUTHEAST SECTION, WING-B

Location: MAIN*FACILITIES*COOLTOWERS

CT-1 #1 COOLING TOWER

CT1-PUMP #1 CONDENSOR WATER PUMP

CT-2 #2 COOLING TOWER

CT2-PUMP #2 CONDENSOR WATER PUMP

Location: TRI-SCHOOL*OWL-ELEM

HYDRANT-1 FIRST HYDRANT, NORTH SIDE OF BLDG A

Location: TRI-SCHOOL*WREN-HIGH

HYDRANT-2 SECOND HYDRANT, NORTH SECTION, BLDG-A

HYDRANT-3 THIRD HYDRANT, NORTH SECTION, BLDG-A

Location:

10-200 #10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR

Location: BUILDING3

5 #10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR

Company Name: MAPCON

Company Information: Test621

Report Description: Location Hierarchy Report

User: MAPCON Administrator

Date: 05/21/2018

Time: 02:20 PM

Filter

Zones: Main - Manufacturing, Secondary - main, Main - Operations, Main - Facilities, Main - Misc. (Maintenance)

Notes

Site Main Zone Manufacturing

Layout: **BUILDING**

Building Layout

BUILDING Z

1ST FLOOR

WEST WING

CONFERENCE ROOM

Layout: **STANDARD**

Standard Layout

1234 ST

BLDG_A Building A, Primary Offices

BUILDING3 Main Shingle Production Area

LINE2 Main Shingle Production, Line 2

CONNECTING PLACE connecting place room

MALL A

PAYLESS SHOES

BURGER KING

PLANT MAIN PLANT

PRODUCTION MAIN PLANT PRODUCTION SECTION

LINE-2 PRODUCTION SECTION -LINE 2 W/ASSEMBLY

REPO-ROOM PRODUCTION Section, Line -2 FABRICATION ASSEMBLY REPOSITORY

ASSEMBLY PRODUCTION SECTION -LINE 2 W/ASSEMBLY

MODULE PRODUCTION SECTION -LINE 2 Module Assembly

FACILITIES MAIN PLANT - CENTRAL FACILITY LOCATION

STORAGE STORAGE AREA FOR VEHICLES AND FORKLIFTS

GROUP-1 VEHICLE FLEET GROUP-1 STORAGE

MAINT ROOM MAIN PLANT - FACILITIES SECTION MAINTENANCE ROOM

Site Main Zone Operations

Layout: **STANDARD** Standard Layout

FACILITIES FACILITIES AREAS -TRANSPORTATION SECTION

ANNEX_1A TRANSPORTATION ANNEX ""T""-STORAGE AND OPERATIONS

ANNEX_2 TRANSPORTATION ANNEX ""T"" -MAINTENANCE SHOP

Site Main Zone Facilities

Layout: **BUILDING** Building Layout

KING-HOSP KING HOSPITAL, MLK CAMPUS

PHARMACY KING HOSPITAL, PHARMACY

SURGICAL KING HOSPITAL, SURGICAL CENTER

WEST KING HOSPITAL, WEST SURGICAL WING

OPER-ROOM2 KING HOSPITAL, SURGICAL CENTER, #2 OPERATING ROOM

NEUROLOGY KING HOSPITAL, NEUROLOGY DEPARTMENT

TRI-SCHOOL TRI-COUNTY SCHOOL DISTRICT

WREN-HIGH TRI-COUNTY SCHOOLS, WREN HIGH SCHOOL

OWL-ELEM TRI-COUNTY, OWL ELEMENTARY SCHOOL

AUDITORIUM TRI-COUNTY SCHOOL, OWL ELEMENTARY AUDITORIUM AREAS

GROUPS TRI-COUNTY SCHOOLS, OWL ELEMENTARY GROUNDS (Mowing, Landscaping)

Layout: **STANDARD** Standard Layout

MAIN MAIN FACILITY CAMPUS

FACILITIES Facilities Maintenance for Main Building

COOLTOWERS Cooling Tower

Equipment

File Edit Navigate Utilities Help

Excel Import Report Generator

Lookup Home Refresh New Record Save Record First Previous Next Last Close Cancel Help

Equip ID: 123456789 E Print Eqp Type: Rev:

Lookup Main Vendor Summary Notes/Job Steps Maintenance Plan Metrics Change Attachments Costs Reworking

View Work Orders Site: SITE 4 Address: 345 Zone: PLAZA 10000 Status: In Service

Keyword: EXTRUDER E General Inquiry: 123456789 Rating: Critical Equipment

Model #: Serial #: Tag #:

Description: Conical Twin-Screw Extruder

Specification Title: Specification

Cost Center: 14020PT Certification Description: EXTRUDER Cleaning the Extruder

Document:

Customer: Customer # Account: Contract Start To

Location: Layout Level 1 Level 2 Level 3 Level 4 Level 5

Menu Equipment Query Success

Locations

File Edit Navigate Utilities Help

Report Generator

Lookup Home Refresh New Record Save Record First Previous Next Last Close Cancel Help

Layout Level 1 Level 2 Level 3 Level 4 Level 5

SPRINGER 123456789 E PHILIPS 123456789 E STORGE 123456789 E GILSON 123456789 E Add

Lookup Main Create Proc Job Steps Bill Materials Plan Proc Equipment Attachments Costs Property Purchases

Site: 123456789 Zone: IT Manufacturing

Keyword: FACILITY E GENERAL BUILDING INFO E Open Work Orders

Rating: Over 10 Days Square Feet: 0.0 Square Feet In Hierarchy: 0.0

Description: VEHICLE FLEET GROUP-1 STORAGE

Specifications: Title Specification

Cost Center: 1200 Certification Description: Checklist Description: Work Order Type: Add

Department: 123456789

Menu Location Data Entry Query Success

Resource Scheduling: Basic

File Edit Navigate Utilities Help

The screenshot shows the 'Resource Scheduling: Basic' application window. The top menu bar includes 'File', 'Edit', 'Navigate', 'Utilities', and 'Help'. On the right, there are icons for 'Save Record', 'Close', and 'Help'. The main interface is divided into several sections. On the left, there is a 'Filter' section with a dropdown menu set to 'Work Order Scheduling'. Below this, there is a list of work orders (WOs) with details such as Type, Asset, Sub, Reqd, and Pri. The central area is a grid showing a schedule for 'Daily' from 'July 25, 2016' to 'July 28, 2016'. The grid lists employees and their assigned tasks, including 'Arthur Carr', 'ELECTRIC - Electrician', 'Carter Hall', 'AUTO - Auto Mechanics', 'Charles Hilo', 'MECHANIC - Machine', 'Courtney Withers', 'METAL WORK - Metal', 'Jason Todd', 'CARPENTER - Carpenter', and 'Jim Corrigan', 'MECHANIC - Machine'. On the right, there are two small windows showing 'Primary Site' and 'Secondary Site' information. At the bottom, there is a 'Query Success' message.

Resource Scheduling: Advanced (Pro)

File Edit Navigate Utilities Help

The screenshot shows the 'Resource Scheduling: Advanced (Pro)' application window. The top menu bar includes 'File', 'Edit', 'Navigate', 'Utilities', and 'Help'. On the right, there are icons for 'Save Record', 'Close', and 'Help'. The main interface is divided into several sections. On the left, there is a 'Filter' section with a dropdown menu set to 'Advanced Work Order Filter'. Below this, there is a list of work orders (WOs) with details such as Type, Asset, Sub, Reqd, and Pri. The central area is a grid showing a schedule for 'Daily' from 'July 17, 2016' to 'August 15, 2016'. The grid lists employees and their assigned tasks, including 'Carter Hall', 'Victor Stone', 'CARPENTER - Carpenter', 'Jason Todd', 'Arthur Carr', 'Charles Hilo', 'Courtney Withers', 'METAL WORK - Metal', 'Jim Corrigan', and 'MECHANIC - Machine'. On the right, there are two small windows showing 'Primary Site' and 'Secondary Site' information. At the bottom, there is a 'Query Success' message.

Resource Scheduling: View Schedule



Employee

File Edit Navigate Utilities Help

Excel Import Video Lookup Home Refresh New Record Save Record First Previous Next Last Close Cancel Help

Employee ID: [00000000] Last Name: [Rahner] First: [Kyle] MI: [MI]

Lookup Main Personal Emp. Dependents Compensation Skills

Site: [SITE 1] Code: [PLANT] Revision: [1] ☒ Active

Display Name: [Kyle Rahner] Department: [] ☐ Weekends

Title: [Machine Mechanic] Email: []

Crew: [] Craft: [MECHANIC]

Shift: [] ☒ Available for Scheduling Home Phone: []

Address: [] Country: [] Cell Phone: []

[] City: [] Emergency: []

[] State: [] Internal: []

[] Zip: []

Menu Employee Read Successful

Employee (Personal tab)

File Edit Navigate Utilities Help

Excel Import Video Lookup Home Refresh New Record Save Record First Previous Next Last Close Cancel Help

Employee ID: [00000000] Last Name: [Rahner] First: [Kyle] MI: [MI]

Lookup Main Personal Emp. Dependents Compensation Skills

SSN# [] Date of Birth [] Date Hired [] Pay Type: [Employees]

Seniority [] Class [] Status []

☐ High School ☐ Tech School ☐ College ☐ Graduate Highest Degree []

Special Skills

Base Pay Rate: [100.0000] Last Evaluation [] Next Evaluation []

Pay Rate Types (Must add at least one for employee base...)

Rate Type	Min/Max	Min/Max	Min/Max	Min/Max	Default for Timecards	Sort
Hourly Rate					<input checked="" type="checkbox"/>	1
					<input type="checkbox"/>	2

Menu Employee Query Success

HTML Work Request Page



Capitol Complex Maintenance Service Request

To check the status of existing Maintenance Requests, click: [Maintenance Request Status Report](#)

*Zone

--Select--

*Location

--Select--

*Work Description

*Service Requested

--Select--

*Priority

--Select--

*Submitted By

*Submitted Phone

*Email

* Indicates Required Field

✓ Submit

✕ Cancel

If you have building related emergency issues,
contact the Capitol Complex Maintenance Team at (515) 242-5120 ext. 3

Top Equipment Costs

Equipment

Description

Keyword

Labor

Material

Nonstock

Purchases

Total

Top 10 Equipment Costs

Total Costs

10-100 PS 500-HE 550-T 102-300-1 BUILDING-1 102 102-200 331-545-10 102-300-1B

Equipment	Description	Keyword	Labor	Material	Nonstock	Purchases	Total
10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	TRANSFORMER	\$4767.50	\$19561.00	\$5140.00	\$3300.00	\$32768.50
PS	PUMPING STATIONS	PUMP	\$2104.00	\$319.00	\$0.00	\$0.00	\$2423.00
500-HE	130X 20T CAT SCRAPER /LOADER	EQUIPMENT-HEAVY	\$1574.00	\$0.00	\$450.00	\$0.00	\$2024.00
550-T	2005 CHEVY SUBURBAN - TRANSPORTATION DIV.	TRUCK	\$1673.00	\$0.00	\$0.00	\$0.00	\$1673.00
102-300-1	MOTOR FOR THE COMPRESSOR ON LINE-2	MOTOR	\$1408.00	\$69.00	\$150.00	\$0.00	\$1627.00
BUILDING-1	MAIN BUILDING # 1	BUILDING	\$1438.00	\$0.00	\$0.00	\$0.00	\$1438.00
102	PRODUCTION -LINE 2 MAIN PLANT	LINE-2	\$43.00	\$1200.00	\$0.00	\$0.00	\$1243.00
102-200	CONTROL SYSTEM AND INSTRUMENT PANEL LINE-2	SYSTEMS-CONTROL	\$1179.00	\$5.00	\$10.00	\$0.00	\$1194.00
331-545-10	RECIRCULATING PUMP	PUMP	\$921.00	\$12.00	\$111.00	\$0.00	\$1044.00
102-300-1B	PIPING AND EQUIPMENT FOR REFRIGERATION COMPRESSOR LINE -2	PIPING	\$386.00	\$22.00	\$540.00	\$38.78	\$986.78
7	MAIN HVAC SYSTEM -PLANT #1	HVAC	\$750.00	\$12.00	\$39.00	\$0.00	\$801.00
103-200-1	SUB PANEL CIRCUITS - LINE2 - BACKUP	CIRCUITS	\$0.00	\$0.00	\$731.00	\$0.00	\$731.00

Top Equipment Costs

Equipment	Description	Keyword	Labor	Material	Nonstock	Purchases	Total
501	HORIZONTAL CENTRIFUGAL PUMP - LIQUID	PUMP	\$571.00	\$4.00	\$36.00	\$0.00	\$611.00
IG-500	ASHCROFT PRESSURE GAUGE	GAUGE	\$0.00	\$0.00	\$0.00	\$609.99	\$609.99
370-T	1/2 TON CHEVY PKUP - TRANSPORTATION DIV.	TRUCK	\$135.00	\$15.00	\$450.00	\$0.00	\$600.00
PS-01	PUMPING STATION #1	PUMP	\$485.00	\$4.00	\$48.00	\$0.00	\$537.00
CONV-1	MAIN CONVEYER FROM RAW MATERIALS RECEIVING DOCK	CONVEYER	\$352.00	\$114.00	\$0.00	\$0.00	\$466.00
ST-500	FUEL OIL STORAGE TANK (1500 GAL.)	TANK	\$7.00	\$0.00	\$224.00	\$0.00	\$231.00
CUTTER-A1	FIBERGLASS CUTTER	CUTTER	\$183.25	\$16.00	\$0.00	\$0.00	\$199.25
CONV-1-M	MAIN MOTER FOR CONV-1	MOTOR	\$60.00	\$62.00	\$50.00	\$0.00	\$172.00
900-2	EAST PRODUCTION SEPARATOR	SEPARATOR	\$122.00	\$4.00	\$0.00	\$0.00	\$126.00
SS-03	STACKING CONVEYER	CONVEYER	\$122.00	\$4.00	\$0.00	\$0.00	\$126.00
102-300	REFRIGERATION COMPRESSOR	COMPRESSOR	\$122.00	\$4.00	\$0.00	\$0.00	\$126.00
950-H	HOIST SYSTEM -PRODUCTION (WEST)	HOIST	\$122.00	\$4.00	\$0.00	\$0.00	\$126.00
FL-1001	FORKLIFT # 1	FORKLIFT	\$122.00	\$0.00	\$0.00	\$0.00	\$122.00
33-15	MILLER GAS WELDER SERIAL # 33-15501-3	WELDER	\$118.00	\$0.00	\$0.00	\$0.00	\$118.00
CONV-1-M-C	AUTOMATIC MOTOR DIAGNOSTIC	DIAGNOSTICS	\$103.00	\$0.00	\$0.00	\$0.00	\$103.00
710	A/C CHILLER UNIT (MAIN ROOF) #1	CHILLER	\$62.00	\$0.00	\$0.00	\$0.00	\$62.00
102-A	SUB LINE A FOR PRODUCTION LINE 2	LINE-2	\$30.00	\$16.00	\$0.00	\$0.00	\$46.00
650-T	2005 FORD VAN	TRUCK	\$38.00	\$0.00	\$0.00	\$0.00	\$38.00
HYDRANT-3	THIRD HYDRANT, NORTH SECTION, BLDG-A	HYDRANTS	\$28.00	\$0.00	\$0.00	\$0.00	\$28.00
HYDRANT-1	FIRST HYDRANT,NORTH SIDE OF BLDG A	HYDRANTS	\$28.00	\$0.00	\$0.00	\$0.00	\$28.00
HYDRANT-6	SIXTH HYDRANT, BASEMENT,WING-B	HYDRANTS	\$28.00	\$0.00	\$0.00	\$0.00	\$28.00

Top Equipment Costs

Equipment	Description	Keyword	Labor	Material	Nonstock	Purchases	Total
HYDRANT-2	SECOND HYDRANT, NORTH SECTION,BLDG-A	HYDRANTS	\$28.00	\$0.00	\$0.00	\$0.00	\$28.00
HYDRANT-4	FOURTH HYDRANT, SOUTHEAST SECTION, WING-B,S	HYDRANTS	\$28.00	\$0.00	\$0.00	\$0.00	\$28.00
HYDRANT-5	FIFTH HYDRANT, SOUTHEAST SECTION, WING-B	HYDRANTS	\$28.00	\$0.00	\$0.00	\$0.00	\$28.00
700	MAIN HVAC SYSTEM-DUCT SYS A40-FAN SIZE 20-1	FAN-DUCT	\$24.00	\$0.00	\$0.00	\$0.00	\$24.00
SW-JK	SHINGLE STACKER	SHN-STCKER	\$21.00	\$0.00	\$0.00	\$0.00	\$21.00
Grand Totals			\$19210.25	\$21447.00	\$7979.00	\$3948.77	\$52585.52

Scheduled Work Orders By Date

Pri	WO #	Est Hrs	Sch Hrs	Cd	Reference ID	Reference Description	Task
Site: MAIN Main Zone: 01 Manufacturing							
Scheduled Date: 12/30/16			Required Date: 12/2/16				
4	001071	0.00	1.00	E	PS-01	PUMPING STATION #1	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
HIGH	001136	0.00	1.00	E	PS	PUMPING STATIONS	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
WEEK	001139	0.00	1.00	L	WEST	KING HOSPITAL, WEST SURGICAL WING	Minor water leak at the base of the wall. Not sure where it's coming from.
WEEK	001149	4.00	4.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING
Total Hours		4.00	7.00				
Scheduled Date: 1/27/17			Required Date: 12/13/16				
3	001059	3.00	3.00	R	1	LUBRICATION ROUTE -LINE 2	FOLLOW LUBRICATION INSTRUCTIONS OF THE MACHINE MANUFACTURER
3	001060	3.00	3.00	E	CONV-1-M	MAIN MOTER FOR CONV-1	CHECK OIL AND CHANGE AS NECESSARY
WEEK	001132	1.00	1.00	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
Total Hours		7.00	7.00				
Scheduled Date: 1/30/17			Required Date: 12/3/16				
WEEK	001061	0.00	1.00	E	7	MAIN HVAC SYSTEM -PLANT #1	PERFORM INSPECTION MONTHLY -MAKE ANY ADJUSTMENTS AND COMMENTS WHICH ARE PERTINENT TO FUTURE MAINTENANCE NEEDS.
Total Hours		0.00	1.00				

Scheduled Work Orders By Date

Pri	WO #	Est Hrs	Sch Hrs	Cd	Reference ID	Reference Description	Task
Site: MAIN Main Zone: 01 Manufacturing							
Scheduled Date: 3/1/17			Required Date: 12/13/16				
WEEK	001151	0.00	1.00	E	IG-500	ASHCROFT PRESSURE GAUGE	Gauge does not appear to be functioning consistently. Recommend we have the vendor check it out.
Total Hours		0.00	1.00				
Scheduled Date: 3/2/17			Required Date: 12/14/16				
3	000649	0.00	1.00	L	PLANT	MAIN PLANT	VISUALLY CHECK FOR AIR FLOW ON ALL VENTS FOR MAIN PLANT-NOTE STREAMER DIRECTION.E
4	001084	0.00	1.00	E	BUILDING-1	MAIN BUILDING # 1	INSPECT AND MAKE ANY PREPARATIONS NECESSARY TO HAVE ALL EQUIPMENT MEET OSHA REGULATIONS. SEE CURRENT OSHA SPEC SHEETS POSTED OR CONTACT TEAM LEADER
4	001099	4.00	4.00	L	REPO-ROOM	PRODUCTION Section, Line -2 FABRICATION ASSEMBLY REPOSITORY	1. Check Temperature 2. Check Air Ventilation 3. Check Noise Levels 4. Check for loose wires or hoses 5. Make sure area is clean and ready for use
WEEK	001110	4.00	4.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]
WEEK	001140	4.00	12.00	E	710	A/C CHILLER UNIT (MAIN ROOF) #1	Electrical storm stuck the chiller last night. Check for any coolant leaks, burns, etc.
Total Hours		12.00	22.00				
Scheduled Date: 3/3/17			Required Date: 12/16/16				
3	001063	3.00	3.00	E	102-300-1B	PIPING AND EQUIPMENT FOR REFRIGERATION COMPRESSOR LINE -2	FOLLOW LUBRICATION INSTRUCTIONS OF THE MACHINE MANUFACTURER

Scheduled Work Orders By Date

Pri	WO #	Est Hrs	Sch Hrs	Cd	Reference ID	Reference Description	Task
Site: MAIN Main Zone: 01 Manufacturing							
Scheduled Date: 3/3/17		Required Date: 12/16/16					
4	001137	0.00	1.00	E	102-A	SUB LINE A FOR PRODUCTION LINE 2	Clean up debris that has fallen from the line and collected in various areas.
Total Hours		3.00	4.00				
Scheduled Date: 4/6/17		Required Date: 4/7/17					
HIGH	001188	2.00	2.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	broken
3	001189	0.00	2.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
Total Hours		2.00	4.00				
Scheduled Date: 4/7/17		Required Date: 12/6/16					
HIGH	001080	0.00	1.00	E	501	HORIZONTAL CENTRIFUGAL PUMP -LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
HIGH	001162	20.00	2.00	E	TH-02	TAR-HEATER	
WEEK	001163	3.00	3.00	L	BLDG_A	Building A, Primary Offices	pick up boxes and move them to another area
Total Hours		23.00	6.00				
Scheduled Date: 4/10/17		Required Date: 2/23/17					
HIGH	001162	20.00	2.00	E	TH-02	TAR-HEATER	
Total Hours		20.00	2.00				
Scheduled Date: 4/11/17		Required Date: 2/23/17					
HIGH	001162	20.00	2.00	E	TH-02	TAR-HEATER	
Total Hours		20.00	2.00				

Scheduled Work Orders By Date

Pri	WO #	Est Hrs	Sch Hrs	Cd	Reference ID	Reference Description	Task
Site: MAIN Main Zone: 01 Manufacturing							
Scheduled Date: 5/5/17			Required Date: 2/22/17				
HIGH	000944	21.00	1.00	C	5000	Capital Projects	Repaint All outside buildings Carpentry Specialists needed. Full Repair of Wooden Railing and Customer Parking Maintain Yearly Landscaping Needs
WEEK	001144	4.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING
Total Hours		25.00	2.00				
Scheduled Date: 5/8/17			Required Date: 4/5/17				
HIGH	001173	0.00	1.00	E	501	HORIZONTAL CENTRIFUGAL PUMP -LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
Total Hours		0.00	1.00				
Scheduled Date: 5/9/17			Required Date: 4/11/17				
WEEK	001177	4.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING
Total Hours		4.00	1.00				
Scheduled Date: 6/14/17			Required Date: 12/7/16				
3	001146	4.00	4.00	L	REPO-ROOM	PRODUCTION Section, Line -2 FABRICATION ASSEMBLY REPOSITORY	1. Check Temperature 2. Check Air Ventilation 3. Check Noise Levels 4. Check for loose wires or hoses 5. Make sure area is clean and ready for use
3	001152	2.00	2.00	E	102	PRODUCTION -LINE 2 MAIN PLANT	Line Rebuild
WEEK	001171	1.00	3.00	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.

Scheduled Work Orders By Date

Pri	WO #	Est Hrs	Sch Hrs	Cd	Reference ID	Reference Description	Task
Site: MAIN Main Zone: 01 Manufacturing							
Scheduled Date: 6/14/17			Required Date: 12/7/16				
WEEK	001172	1.00	1.00	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
WEEK	001181	1.00	1.00	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
Total Hours		9.00		11.00			
Scheduled Date: 6/15/17			Required Date: 12/12/16				
4	001053	2.00	2.00	E	IG-500	ASHCROFT PRESSURE GAUGE	Review set-point mins-maxs and calibrate if necessary Check in/out pressure as noted
HIGH	001162	20.00	30.00	E	TH-02	TAR-HEATER	
WEEK	001172	1.00	1.00	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
Total Hours		23.00		33.00			
Scheduled Date: 6/19/17			Required Date: 12/7/16				
WEEK	001143	1.00	1.00	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
3	001152	2.00	2.00	E	102	PRODUCTION -LINE 2 MAIN PLANT	Line Rebuild
Total Hours		3.00		3.00			
Scheduled Date: 6/29/17			Required Date: 4/18/17				
WEEK	001184	4.00	4.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING
Total Hours		4.00		4.00			
Scheduled Date: 8/30/17			Required Date: 4/26/17				
3	001189	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
Total Hours		0.00		1.00			

Scheduled Work Orders By Date

Pri	WO #	Est Hrs	Sch Hrs	Cd	Reference ID	Reference Description	Task
Site: MAIN Main Zone: 01 Manufacturing							
Scheduled Date: 10/11/17			Required Date: 4/19/17				
HIGH	001191	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	leaking fluid
HIGH	001216	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	broken
WEEK	001233	5.00	0.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
HIGH	001244	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	smells like its burning
Total Hours		5.00	3.00				
Scheduled Date: 11/14/17			Required Date: 11/30/16				
WEEK	001135	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING
HIGH	001174	0.00	1.00	E	501	HORIZONTAL CENTRIFUGAL PUMP - LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
WEEK	001187	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	1. go to step 2 2. go to step 3 3. go back to step 1
							see attachment for further directions
HIGH	001205	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	leaking fluid

Scheduled Work Orders By Date

Pri	WO #	Est Hrs	Sch Hrs	Cd	Reference ID	Reference Description	Task
Site: MAIN Main Zone: 01 Manufacturing							
Scheduled Date: 11/14/17		Required Date: 11/30/16					
WEEK	001212	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
HIGH	001239	2.00	2.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	smells ilke its burning
HIGH	001246	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	[00002-GENERAL]
Total Hours		2.00	8.00				
Scheduled Date: 11/15/17		Required Date: 12/27/16					
3	001138	0.00	1.00	E	700-7	NORTEC MP500 HUMIDIFIER	Dismantle and clean filter areas. Check for any bacteria build up.
5	001141	3.00	3.00	R	6	INSPECT HVAC SYSTEM AND CIRCUITRY ROUTE	CHECK FOR SPRING AND FALL ACTIVATION PROBLEMS USING NORMAL TESTS. REPORT ANY PROBLEMS TO TEAM LEADER FOR FURTHER ACTION.
HIGH	001175	0.00	1.00	E	501	HORIZONTAL CENTRIFUGAL PUMP -LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
HIGH	001182	0.00	1.00	E	501	HORIZONTAL CENTRIFUGAL PUMP -LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
HIGH	001183	0.00	1.00	E	501	HORIZONTAL CENTRIFUGAL PUMP -LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
HIGH	001227	0.00	1.00	E	7	MAIN HVAC SYSTEM -PLANT #1	not running properly

Scheduled Work Orders By Date

Pri	WO #	Est Hrs	Sch Hrs	Cd	Reference ID	Reference Description	Task
Site: MAIN Main Zone: 01 Manufacturing							
Scheduled Date: 11/15/17					Required Date: 12/27/16		
Total Hours		3.00	8.00				
Scheduled Date: 11/16/17					Required Date: 12/3/16		
5	001147	3.00	3.00	R	6	INSPECT HVAC SYSTEM AND CIRCUITRY ROUTE	CHECK FOR SPRING AND FALL ACTIVATION PROBLEMS USING NORMAL TESTS. REPORT ANY PROBLEMS TO TEAM LEADER FOR FURTHER ACTION.
WEEK	001150	0.00	1.00	E	700-7	NORTEC MP500 HUMIDIFIER	Minor water leak
HIGH	001272	0.00	1.00	E	900-1		Blade needs replaced
Total Hours		3.00	5.00				
Scheduled Date: 12/13/17					Required Date: 5/12/17		
HIGH	001206	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY--TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	please fix
HIGH	001279	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY--TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	broken
Total Hours		0.00	2.00				
Scheduled Date: 12/14/17					Required Date: 4/7/17		
HIGH	001178	0.00	1.00	E	PS-01	PUMPING STATION #1	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
HIGH	001256	0.00	1.00	E	900-2	EAST PRODUCTION SEPARATOR	
Total Hours		0.00	2.00				

Scheduled Work Orders By Date

Pri	WO #	Est Hrs	Sch Hrs	Cd	Reference ID	Reference Description	Task
Site: MAIN Main Zone: 01 Manufacturing							
Scheduled Date: 1/8/18		Required Date: 4/14/17					
HIGH	001179	0.00	1.00	E	PS-01	PUMPING STATION # 1	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
WEEK	001211	0.00	2.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
Total Hours		0.00	3.00				
Scheduled Date: 1/31/18		Required Date: 6/2/17					
HIGH	001218	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
HIGH	001301	0.00	2.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Complete Checklist
HIGH	001303	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Complete Checklist
HIGH	001304	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Complete Checklist
HIGH	001310	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Broken
HIGH	001311	0.00	1.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Needs fixed
Total Hours		0.00	7.00				
Scheduled Date: 2/1/18		Required Date: 1/25/18					
HIGH	001301	0.00	3.00	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Complete Checklist

Scheduled Work Orders By Date

Pri	WO #	Est Hrs	Sch Hrs	Cd	Reference ID	Reference Description	Task
Site: MAIN Main Zone: 01 Manufacturing							
Scheduled Date: 2/1/18				Required Date: 1/25/18			
Total Hours		0.00	3.00				
Scheduled Date: 3/7/18				Required Date: 3/8/18			
HIGH	001333	0.00	1.00	E	10-100	# 10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
Total Hours		0.00	1.00				
Grand Totals		172.00	154.00				

Scheduled Work Orders By Dispatched Employee

Site: MAIN Main Zone: 01 Manufacturing

Dispatched To: Lister, Cory

Sch	Rqd	Est Hrs	Sch Hrs	Pr	WO #	Cd	Reference ID	Reference Description	Task
1/27/17	12/3/16	1.00	1.00	WEE	001132	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
1/27/17	12/7/16	3.00	3.00	3	001060	E	CONV-1-M	MAIN MOTER FOR CONV-1	CHECK OIL AND CHANGE AS NECESSARY
1/27/17	12/13/16	3.00	3.00	3	001059	R	1	LUBRICATION ROUTE - LINE 2	FOLLOW LUBRICATION INSTRUCTIONS OF THE MACHINE MANUFACTURER
1/30/17	12/3/16	0.00	1.00	WEE	001061	E	7	MAIN HVAC SYSTEM - PLANT #1	PERFORM INSPECTION MONTHLY - MAKE ANY ADJUSTMENTS AND COMMENTS WHICH ARE PERTINENT TO FUTURE MAINTENANCE NEEDS.
3/1/17	12/13/16	0.00	1.00	WEE	001151	E	IG-500	ASHCROFT PRESSURE GAUGE	Gauge does not appear to be functioning consistently. Recommend we have the vendor check it out.
3/2/17	12/7/16	4.00	12.00	WEE	001140	E	710	A/C CHILLER UNIT (MAIN ROOF) #1	Electrical storm stuck the chiller last night. Check for any coolant leaks, burns, etc.
3/2/17	11/25/16	4.00	4.00	4	001099	L	REPO-ROOM	PRODUCTION Section, Line -2 FABRICATION ASSEMBLY REPOSITORY	1. Check Temperature 2. Check Air Ventilation 3. Check Noise Levels 4. Check for loose wires or hoses 5. Make sure area is clean and ready for use
3/3/17	12/16/16	3.00	3.00	3	001063	E	102-300-1B	PIPING AND EQUIPMENT FOR REFRIGERATION COMPRESSOR LINE -2	FOLLOW LUBRICATION INSTRUCTIONS OF THE MACHINE MANUFACTURER
4/7/17	2/23/17	20.00	2.00	HIG	001162	E	TH-02	TAR-HEATER	
4/7/17	3/6/17	3.00	3.00	WEE	001163	L	BLDG_A	Building A, Primary Offices	pick up boxes and move them to another area
4/10/17	2/23/17	20.00	2.00	HIG	001162	E	TH-02	TAR-HEATER	
4/11/17	2/23/17	20.00	2.00	HIG	001162	E	TH-02	TAR-HEATER	

Scheduled Work Orders By Dispatched Employee

Site: MAIN Main Zone: 01 Manufacturing

Dispatched To: Lister, Cory

5/8/17	4/5/17	0.00	1.00	HIGI	001173	E	501	HORIZONTAL CENTRIFUGAL PUMP - LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
5/9/17	4/11/17	4.00	1.00	WEE	001177	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING
6/14/17	4/4/17	1.00	1.00	WEE	001171	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
6/14/17	4/11/17	1.00	1.00	WEE	001172	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
6/14/17	4/18/17	1.00	1.00	WEE	001181	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
6/15/17	2/23/17	20.00	30.00	HIGI	001162	E	TH-02	TAR-HEATER	
8/30/17	4/26/17	0.00	1.00	3	001189	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
10/11/17	4/19/17	0.00	1.00	HIGI	001191	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	leaking fluid
10/11/17	5/31/17	0.00	1.00	HIGI	001216	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	broken
10/11/17	7/27/17	0.00	1.00	HIGI	001244	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	smells like its burning
10/11/17	7/4/17	5.00	0.00	WEE	001233	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	

Scheduled Work Orders By Dispatched Employee

Site: MAIN Main Zone: 01 Manufacturing

Dispatched To: Lister, Cory

11/14/17	11/30/16	0.00	1.00	WEE	001135	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING
11/14/17	5/8/17	0.00	1.00	HIG	001205	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	leaking fluid
11/14/17	6/2/17	0.00	1.00	WEE	001212	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
11/14/17	7/21/17	0.00	1.00	WEE	001187	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	1. go to step 2 2. go to step 3 3. go back to step 1
11/14/17	7/18/17	2.00	2.00	HIG	001239	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	see attachment for further directions smells like its burning
11/14/17	8/15/17	0.00	1.00	HIG	001246	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	[00002-GENERAL]
11/14/17	4/11/17	0.00	1.00	HIG	001174	E	501	HORIZONTAL CENTRIFUGAL PUMP - LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
11/15/17	4/14/17	0.00	1.00	HIG	001175	E	501	HORIZONTAL CENTRIFUGAL PUMP - LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures

Scheduled Work Orders By Dispatched Employee

Site: MAIN Main Zone: 01 Manufacturing

Dispatched To: Lister, Cory

11/15/17	4/17/17	0.00	1.00	HIG	001182	E	501	HORIZONTAL CENTRIFUGAL PUMP - LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
11/15/17	4/20/17	0.00	1.00	HIG	001183	E	501	HORIZONTAL CENTRIFUGAL PUMP - LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
11/15/17	12/3/16	3.00	3.00	5	001141	R	6	INSPECT HVAC SYSTEM AND CIRCUITRY ROUTE	CHECK FOR SPRING AND FALL ACTIVATION PROBLEMS USING NORMAL TESTS. REPORT ANY PROBLEMS TO TEAM LEADER FOR FURTHER ACTION.
11/15/17	6/13/17	0.00	1.00	HIG	001227	E	7	MAIN HVAC SYSTEM - PLANT #1	not running properly
11/15/17	12/27/16	0.00	1.00	3	001138	E	700-7	NORTEC MP500 HUMIDIFIER	Dismantle and clean filter areas. Check for any bacteria build up.
11/16/17	12/13/16	0.00	1.00	WEE	001150	E	700-7	NORTEC MP500 HUMIDIFIER	Minor water leak
11/16/17	11/7/17	0.00	1.00	HIG	001272	E	900-1		Blade needs replaced
11/16/17	12/3/16	3.00	3.00	5	001147	R	6	INSPECT HVAC SYSTEM AND CIRCUITRY ROUTE	CHECK FOR SPRING AND FALL ACTIVATION PROBLEMS USING NORMAL TESTS. REPORT ANY PROBLEMS TO TEAM LEADER FOR FURTHER ACTION.
12/13/17	5/12/17	0.00	1.00	HIG	001206	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	please fix
12/13/17	12/4/17	0.00	1.00	HIG	001279	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	broken

Scheduled Work Orders By Dispatched Employee

Site: MAIN Main Zone: 01 Manufacturing

Dispatched To: Lister, Cory

12/14/17	4/7/17	0.00	1.00	HIG	001178	E	PS-01	PUMPING STATION # 1	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
12/14/17	9/13/17	0.00	1.00	HIG	001256	E	900-2	EAST PRODUCTION SEPARATOR	
1/8/18	6/2/17	0.00	2.00	WEE	001211	E	10-100	#10 1500/2000 KVA DRY- TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
1/8/18	4/14/17	0.00	1.00	HIG	001179	E	PS-01	PUMPING STATION # 1	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
1/31/18	1/25/18	0.00	1.00	HIG	001301	E	10-100	#10 1500/2000 KVA DRY- TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Complete Checklist
1/31/18	1/25/18	0.00	1.00	HIG	001304	E	10-100	#10 1500/2000 KVA DRY- TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Complete Checklist
1/31/18	6/2/17	0.00	1.00	HIG	001218	E	10-100	#10 1500/2000 KVA DRY- TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Broken
1/31/18	1/30/18	0.00	1.00	HIG	001310	E	10-100	#10 1500/2000 KVA DRY- TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Complete Checklist
1/31/18	1/25/18	0.00	1.00	HIG	001303	E	10-100	#10 1500/2000 KVA DRY- TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Complete Checklist
1/31/18	2/1/18	0.00	1.00	HIG	001311	E	10-100	#10 1500/2000 KVA DRY- TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Needs fixed
2/1/18	1/25/18	0.00	3.00	HIG	001301	E	10-100	#10 1500/2000 KVA DRY- TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Complete Checklist

Scheduled Work Orders By Dispatched Employee

Site: MAIN Main Zone: 01 Manufacturing

Dispatched To: Lister, Cory

3/7/18	3/8/18	0.00	1.00	HIGI	001333	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
121.00 114.00 Total Hours for Lister									
Dispatched To: thumb, Tom									
12/30/16	11/25/16	0.00	1.00	HIGI	001136	E	PS	PUMPING STATIONS	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
12/30/16	12/3/16	0.00	1.00	WEE	001139	L	WEST	KING HOSPITAL, WEST SURGICAL WING	Minor water leak at the base of the wall. Not sure where it's coming from.
3/2/17	12/14/16	0.00	1.00	3	000649	L	PLANT	MAIN PLANT	VISUALLY CHECK FOR AIR FLOW ON ALL VENTS FOR MAIN PLANT-NOTE STREAMER DIRECTION.E
3/2/17	1/7/17	0.00	1.00	4	001084	E	BUILDING-1	MAIN BUILDING # 1	INSPECT AND MAKE ANY PREPARATIONS NECESSARY TO HAVE ALL EQUIPMENT MEET OSHA REGULATIONS. SEE CURRENT OSHA SPEC SHEETS POSTED OR CONTACT TEAM LEADER
0.00 4.00 Total Hours for thumb									
Dispatched To: fix it, bob									
4/6/17	4/7/17	2.00	2.00	HIGI	001188	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	broken
4/6/17	4/26/17	0.00	2.00	3	001189	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	

Scheduled Work Orders By Dispatched Employee

Site: MAIN Main Zone: 01 Manufacturing

Dispatched To: fix it, bob

5/5/17	12/6/16	4.00	1.00	WEE	001144	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING
6/14/17	12/7/16	4.00	4.00	3	001146	L	REPO-ROOM	PRODUCTION Section, Line -2 FABRICATION ASSEMBLY REPOSITORY	1. Check Temperature 2. Check Air Ventilation 3. Check Noise Levels 4. Check for loose wires or hoses 5. Make sure area is clean and ready for use
6/14/17	12/23/16	2.00	2.00	3	001152	E	102	PRODUCTION -LINE 2 MAIN PLANT	Line Rebuild
6/14/17	4/4/17	1.00	1.00	WEE	001171	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
6/14/17	4/4/17	1.00	1.00	WEE	001171	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
6/15/17	4/11/17	1.00	1.00	WEE	001172	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
6/15/17	12/23/16	2.00	2.00	4	001053	E	IG-500	ASHCROFT PRESSURE GAUGE	Review set-point mins-maxs and calibrate if necessary Check in/out pressure as noted
6/19/17	12/7/16	1.00	1.00	WEE	001143	E	331-545-10	RECIRCULATING PUMP	OIL/FILTER CHANGE.
6/19/17	12/23/16	2.00	2.00	3	001152	E	102	PRODUCTION -LINE 2 MAIN PLANT	Line Rebuild
6/29/17	4/18/17	4.00	4.00	WEE	001184	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING
1/31/18	1/25/18	0.00	1.00	HIG	001301	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	Complete Checklist
		24.00	24.00	Total Hours for fix it					

Scheduled Work Orders By Dispatched Employee

Site: MAIN Main Zone: 01 Manufacturing

Dispatched To: wilkerson, heather

4/7/17	12/6/16	0.00	1.00	HIGI	001080	E	501	HORIZONTAL CENTRIFUGAL PUMP - LIQUID	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
5/5/17	2/22/17	21.00	1.00	HIGI	000944	C	5000	Capital Projects	Repaint All outside buildings Carpentry Specialists needed. Full Repair of Wooden Railing and Customer Parking Maintain Yearly Landscaping Needs
21.00 2.00 Total Hours for wilkerson									
Dispatched To: smith, smith									
12/30/16	12/2/16	0.00	1.00	4	001071	E	PS-01	PUMPING STATION #1	1. Check Filter 2. Check flow 3. Check Gauges 4. Check Valves 5. Check Temperatures
12/30/16	12/6/16	4.00	4.00	WEE	001149	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING
3/2/17	12/3/16	4.00	4.00	WEE	001110	E	10-100	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]
3/3/17	1/11/17	0.00	1.00	4	001137	E	102-A	SUB LINE A FOR PRODUCTION LINE 2	Clean up debris that has fallen from the line and collected in various areas.
8.00 10.00 Total Hours for smith									
		174.00	154.00	Grand Total Hours					

Completed Work Order by Department

WO #	Type	Task	Required	Completed	Completed By	CD	Description	Act Hours
Site: MAIN Main Zone: 01 Manufacturing								
ADMINISTRATIVE								
5000								
001131	SA	Meeting held to go over new OSHA safety goggle and ear plug requirements.	10/15/16	10/15/16	Jerry Dice	C	Capital Projects	0
Total WOs by this Department: 1			Total Act Hours by this Department: 0					
ENGINEERING								
10-100								
001362	A			4/24/18	MAPCON Administrator	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001345	R	broken	3/21/18	3/20/18	MAPCON Administrator	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001335	PM	Complete Checklist	3/8/18	3/8/18	MAPCON Administrator	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001323	R	broken	2/16/18	3/21/18	Cory Lister	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001321	A	broken	2/21/18	2/12/18	MAPCON Administrator	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001318	A	broken	2/19/18	2/8/18	MAPCON Administrator	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001308	PM	Complete Checklist	1/29/18	1/29/18	Cory Lister	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001306	A	broken	2/5/18	1/25/18	MAPCON Administrator	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001284	R	smells hot testing to see if this goes into a different status	12/7/17	12/5/17	Cory Lister	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0.08

Completed Work Order by Department

Site: MAIN Main Zone: 01 Manufacturing

10-100

ENGINEERING

001283	R	smells hot smells hot	12/6/17	12/12/17	Cory Lister	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001280	R	Testing mobile wr creation	12/11/17	12/12/17	Cory Lister	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001242	A		8/3/17	7/25/17	MAPCON Administrator	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001210	A	broken		5/22/17	MAPCON Administrator	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001200	R	transformer is leaking needs fixed	5/8/17	5/5/17	MAPCON Administrator	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001193	A		4/27/17	4/18/17	Cory Lister, Wes Just, Joe Smith, Bob Fix It	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001191	EM	leaking fluid	4/19/17	10/10/17	Cory Lister	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001170	R	not working	3/22/17	3/21/17	MAPCON Administrator	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001158	R	not working	2/2/17	1/24/17	Cory Lister	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	
001113	EM	Leaking after accidently stuck by a forklift.	8/12/16	8/12/16	Danny Anderson	E	HORIZONTAL CENTRIFUGAL PUMP -LIQUID	4
001109	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	11/26/16	11/22/16	Johnson, Robin L.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0

Completed Work Order by Department

Site: MAIN Main Zone: 01 Manufacturing

10-100

ENGINEERING

001108	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	11/19/16	11/15/16	GORDON, PAUL O.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0
001107	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	11/12/16	11/8/16	CARMETTI, ANTHONY E.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0
001106	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	11/5/16	11/1/16	BROWN, GEORGE T.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0
001105	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	10/29/16	10/25/16	COTTON, ALTON "A" B.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0
001104	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	10/22/16	10/20/15	Archambault, Robert S.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0

Completed Work Order by Department

Site: MAIN Main Zone: 01 Manufacturing

10-100

ENGINEERING

001094	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	10/15/16	10/11/16	COTTON, ALTON "A" B.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0
001093	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	10/8/16	10/4/16	SMITH, CHARLIE S.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0
001092	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	10/1/16	9/27/16	Boughton, Paul E.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0
001091	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	9/24/16	9/20/16	Boughton, Paul E.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0
001090	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	9/17/16	9/13/16	Allen, Marcus P.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0

Completed Work Order by Department

Site: MAIN Main Zone: 01 Manufacturing

10-120

ENGINEERING

001089	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	9/10/16	9/6/16	Brook Prusha	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0
001088	PM	CHECK AND PERFORM MAINTENANCE DUTIES RELATED TO POSSIBLE OVERHEATING OF TRANSFORMER. CHECK LOW LEVEL AND/OR COOLANT NOT FUNCTIONING [00001-LUBRICATION ROUTE]	9/6/16	8/30/16	DAVROSE, ALEX T.	E	#10 1500/2000 KVA DRY-TYPE SUBSTATION WITH 480 VOLT SWITCHGEAR	0
001051	PM	OIL/FILTER CHANGE.	11/26/16	11/23/16	GORDON, PAUL O.	E	RECIRCULATING PUMP	0
001050	PM	OIL/FILTER CHANGE.	11/19/16	11/15/16	COTTON, ALTON B.	E	RECIRCULATING PUMP	0
001049	PM	OIL/FILTER CHANGE.	11/12/16	11/9/16	RUSCIO, AL E.	E	RECIRCULATING PUMP	0
001048	PM	OIL/FILTER CHANGE.	11/5/16	11/2/16	Brook Prusha	E	RECIRCULATING PUMP	0
001047	PM	OIL/FILTER CHANGE.	10/29/16	10/26/16	DAVROSE, ALEX T.	E	RECIRCULATING PUMP	0
001046	PM	OIL/FILTER CHANGE.	10/22/16	10/19/16	Johnson, Robin L.	E	RECIRCULATING PUMP	0
001045	PM	OIL/FILTER CHANGE.	6/29/16	10/13/16	Boughton, Paul E.	E	RECIRCULATING PUMP	0
001044	PM	OIL/FILTER CHANGE.	10/8/16	10/5/16	CARMETTI, ANTHONY E.	E	RECIRCULATING PUMP	0
001043	PM	OIL/FILTER CHANGE.	9/29/16	9/28/16	PETERSON, JANET W.	E	RECIRCULATING PUMP	0
001042	PM	OIL/FILTER CHANGE.	9/24/16	9/21/16	COTTON, ALTON B.	E	RECIRCULATING PUMP	0
001041	PM	OIL/FILTER CHANGE.	9/17/16	9/14/16	BROWN, GEORGE T.	E	RECIRCULATING PUMP	0

Completed Work Order by Department

Site: MAIN Main Zone: 01 Manufacturing

10-100

ENGINEERING

001040	PM	OIL/FILTER CHANGE.	9/10/16	9/7/16	BROWN, GEORGE T.	E	RECIRCULATING PUMP	0
001039	PM	OIL/FILTER CHANGE.	9/6/16	8/31/16	ATHERTON, TOM D.	E	RECIRCULATING PUMP	0

Total WOs by this Department: 45

Total Act Hours by this Department: 4.08

BLDG A

FACILITIES

001263	R	testing for demonstration	10/4/17	10/4/17	Cory Lister	L	Building A, Primary Offices	
001126	R	Making rattling noises when shifting	11/12/16	11/10/16	PETERSON, JANET W.	E	130X 20T CAT SCRAPER / LOADER	164
001120	R	Broken paper towel dispenser	10/4/16	9/24/16	Vickers, Larry	L	TRI-COUNTY SCHOOLS, WREN HIGH SCHOOL, 2ND FLOOR RESTROOM	0
001111	R	Several light bulbs are burnt out.	8/14/16	8/6/16	Rick Stenson	L	MAIN PLANT - CENTRAL FACILITY LOCATION	0
000997	PM	1.LOCATE ANY AND ALL AREAS OF MOVEMENT A.HAVE AREAS OF MOVEMENT ISOLATED 2.BY USING A HIGH-PRESSURE WASHER, CLEAN ANY MUD,DIRT,DEBRIS OFF OF THE ISOLATED AREAS.	10/5/16	10/4/16	CARMETTI, ANTHONY E.	E	130X 20T CAT SCRAPER / LOADER	0
000996	PM	1.LOCATE ANY AND ALL AREAS OF MOVEMENT A.HAVE AREAS OF MOVEMENT ISOLATED 2.BY USING A HIGH-PRESSURE WASHER, CLEAN ANY MUD,DIRT,DEBRIS OFF OF THE ISOLATED AREAS.	11/2/16	11/4/16	RUSCIO, AL E.	E	130X 20T CAT SCRAPER / LOADER	0
000943	S	Mowing and weeding. Please use the weed eater on the SW side near the parking lot	5/22/16	5/10/16	Anders, Michael A.	L	TRI-COUNTY SCHOOLS,OWL ELEMENTARY GROUNDS (Mowing,Landscaping)	0

Completed Work Order by Department

Site: MAIN Main Zone: 01 Manufacturing

BLDG_A

FACILITIES

Total WOs by this Department: 7

Total Act Hours by this Department: 164

102		PRODUCTION					
001287	A	fixed the belt	1/15/18	1/4/18	Cory Lister	E	PRODUCTION -LINE 2 MAIN PLANT
001204	A	boiler seemed to be running hot	5/18/17	5/9/17	MAPCON Administrator	E	TAR-HEATER
001201	A	running hot	5/16/17	5/5/17	MAPCON Administrator	E	TAR-HEATER
001128	R	Cutter needs sharpening	11/17/16	11/17/16	DAVROSE, ALEX T.	E	FIBERGLASS CUTTER
001125	R	Pipe cracked??? Leaking ?	10/26/16	10/26/16	Thurston, Daryl L.	E	PIPING AND EQUIPMENT FOR REFRIGERATION COMPRESSOR LINE -2
001123	EM	Running Hot	10/15/16	10/15/16	Johnson, Robin L.	E	MOTOR FOR THE COMPRESSOR ON LINE-2
001118	EM	Bolts fell into line groove between stations preventing the line from moving.	9/13/16	9/13/16	Kaldwell, Jack A.	E	PRODUCTION -LINE 2 MAIN PLANT
001114	EM	Stacker Jammed	8/13/16	8/13/16	Larry Dice	E	SHINGLE STACKER
001062	PM	FOLLOW LUBRICATION INSTRUCTIONS OF THE MACHINE MANUFACTURER	11/16/16	11/13/16	SERIO, RAMON J.	E	PIPING AND EQUIPMENT FOR REFRIGERATION COMPRESSOR LINE -2
000945	PM	CHECK OIL AND CHANGE AS NECESSARY	9/27/16	9/27/16	COTTON, ALTON ""A"" B.	E	MAIN MOTER FOR CONV-1
000921	PM	FOLLOW LUBRICATION INSTRUCTIONS OF THE MACHINE MANUFACTURER	9/21/16	9/13/16	LARSON, MICHELLE J.	E	PIPING AND EQUIPMENT FOR REFRIGERATION COMPRESSOR LINE -2
000808	PM	FOLLOW LUBRICATION INSTRUCTIONS OF THE MACHINE MANUFACTURER	8/17/16	8/24/16	Johnson, Robin L.	E	PIPING AND EQUIPMENT FOR REFRIGERATION COMPRESSOR LINE -2
000807	PM	FOLLOW LUBRICATION INSTRUCTIONS OF THE MACHINE MANUFACTURER	7/21/16	7/16/16	D"AGOSTINO, CINDY B.	E	PIPING AND EQUIPMENT FOR REFRIGERATION COMPRESSOR LINE -2

Completed Work Order by Department

Site: MAIN Main Zone: 01 Manufacturing						
102 PRODUCTION						
000626	R	Stacks the shingles leaning on the left side	5/10/16	5/8/16	MAINTENANCE SUPERVISOR	E
Total WOs by this Department: 14			Total Act Hours by this Department: 3			
Total WOs by this Zone: 67			Total Act Hours by this Zone: 171.08			
WO Grand Total: 67			Average Act Hours Overall: 171.08			

Completed Work Order by Employee (Dispatched)

WO #	Type	Task	Required	Completed	Reference ID	Comments	Act Hours
<div style="text-align: center;"> Site: MAIN Main Zone: 01 Manufacturing COTTON, ALTON A/B </div>							
001281	R	Windshikes is cracked might need replaced	11/30/17	11/30/17	10-100		
Cory Lister							
001158	R	not working	2/2/17	1/24/17	10-100	fixed the issue	
001159	R	Not working	2/16/17	2/7/17	10-100	Fixed the issue	
001163	R	pick up boxes and move them to another area	3/6/17	4/6/17		fixed it	
001163	R	pick up boxes and move them to another area	3/6/17	4/6/17		fixed it	
001164	R	toilet in boys bathroom is overflowing	3/6/17	2/23/17		fixed the urinal	
001166	R	needs fixed	3/9/17	2/28/17	10-100		
001167	R	testing html wr creation	3/9/17	2/27/17	10-100	Voice capture through the mobile app to	
001168	R	not working	3/22/17	3/13/17	10-100	fixed the tranformer	
001169	R	broken	3/28/17	3/17/17	10-100		
001180	PM	1. go to step 2 2. go to step 3 3. go back to step 1	4/10/17	4/3/17	10-100	did the inspection and everything looks good only used 1 filter	
		see attachment for further directions					
001187	PM	1. go to step 2 2. go to step 3 3. go back to step 1	7/21/17	11/14/17	10-100	fixed it	
		see attachment for further directions					

Completed Work Order by Employee (Dispatched)

Site: MAIN Main Zone: 01 Manufacturing

Copy List

001187	PM	1. go to step 2 2. go to step 3 3. go back to step 1 see attachment for further directions	7/21/17	11/14/17	10-100	fixed it	
001199	R	broken please fix transformer needs rebuilt	5/8/17	5/5/17	10-100		
001206	R	please fix	5/12/17	12/12/17	10-100	fixed it	
001207	R	this transformer needs fixed	5/12/17	5/11/17	10-100	fixed the transformer	
001215	R	broken	5/31/17	5/30/17	10-100		
001217	R	not working	6/8/17	5/30/17	10-100		24.12
001220	R	smoking and smells like its burning	6/5/17	6/2/17	10-100	checked and everything is fine	
001222	R	testing	6/6/17	6/5/17	10-100	fixed the tranformer	
001223	R	cory cnc machine isnt operating properly	6/7/17	6/6/17	10-100	fixed the transformer	
001224	EM	its on fire	6/8/17	6/7/17	10-100		
001225	R	on fire on fire	6/9/17	6/8/17	10-100	Orokin voice capture what I'm saying	
001226	R	its leaking	6/12/17	6/9/17	10-100		
001227	R	not running properly	6/13/17	1/26/18	7	Fixed	
001228	R	smells funny	6/14/17	6/13/17	10-100	doesnt smell funny anymore	
001229	R	smells like its on fire	6/15/17	6/14/17	10-100	fixed it	
001230	R	smells like its burning	6/16/17	9/12/17	10-100		
001231	R	broken	6/16/17	6/15/17	331-545-10	fixed it	
001232	R	its broken	6/26/17	6/23/17	10-100		
001234	R		6/28/17	6/27/17	10-100		0.05

Completed Work Order by Employee (Dispatched)

Site: MAIN Main Zone: 01 Manufacturing

Cory Lister

001235	R	testing	7/6/17	7/5/17	10-100	fixed it	
001236	R	smells like its burning	7/11/17	7/10/17	10-100		
001237	R	broken	7/13/17	7/12/17	10-100		
001238	R	testing html wr page	7/18/17	7/17/17	10-100		
001239	R	smells like its burning	7/18/17	1/12/18	10-100	fixed the transformer	
001239	R	smells like its burning	7/18/17	1/12/18	10-100	fixed the transformer	
001241	R	not cooling	7/24/17	7/21/17	7		
001243	R	smells like its burning	7/26/17	7/25/17	10-100		
001245	R	smells like its burning up	8/1/17	7/31/17	10-100		
001247	R		8/15/17	8/14/17	102-300-1		
001248	R	smells like it on fire	8/16/17	8/15/17	10-100	its working fine	
001249	R	broken	8/21/17	8/18/17	10-100		
001251	R	not working add to the description	8/31/17	8/30/17	10-100		
001254	R	seemed to be running hot add to description	9/8/17	9/7/17	10-100		
001255	R	the lab is on fire	9/13/17	9/12/17			
001256	R		9/13/17	1/19/18	900-2		
001257	R	smells hot do we want to add info	9/14/17	9/13/17	10-100		
001259	R	broken	9/22/17	9/21/17	10-100		
001262	R	testing	10/5/17	10/4/17	10-100		
001263	R	testing for demonstration	10/4/17	10/4/17		Fixed he issue	
001264	R	Fixing the piece of equipment	10/19/17	10/18/17	10-100		

Completed Work Order by Employee (Dispatched)

Site: MAIN Main Zone: 01 Manufacturing

Copy List for

001265	R	testing wr creation	10/19/17	11/13/17	10-100	Shaft 1 blade needs replaced Windshield is cracked potentially needs replaced will follow up.	
001266	R	broken	10/19/17	10/18/17	10-100	need more information	
001267	R	needs fixed	10/23/17	11/2/17	10-100		
001272	R	Blade needs replaced	11/7/17	11/14/17	900-1	Fixed	
001273	R	broken	11/7/17	11/6/17	10-100	please provide more information and resubmit the work request	
001275	R	broken	11/22/17	1/10/18	10-100	Completed	
001276	R	Testing mobile wr creation	11/30/17	11/27/17	10-100		
001277	R		11/22/17	11/21/17	10-100		
001278	R	smells hot smells hot	11/29/17	11/28/17	10-100	please provide more information and resubmit work request	
001279	R	broken	12/4/17	12/12/17	10-100	fixed	
001280	R	Testing mobile wr creation	12/11/17	12/12/17	10-100		
001281	R	Windshikes is cracked might need replaced	11/30/17	11/30/17	10-100		
001283	R	smells hot smells hot	12/6/17	12/12/17	10-100	please provide more information and resubmit work request	
001284	R	smells hot testing to see if this goes into a different status	12/7/17	12/5/17	10-100	please provide more info and resubmit the work request	0.08
001285	SA	smells hot add to the description	1/5/18	1/4/18	10-100	please provide more information and resubmit	

Completed Work Order by Employee (Dispatched)

Site: MAIN Main Zone: 01 Manufacturing

Cory Lister

001288	R	testing wo creation	1/9/18	1/9/18	10-100		
001291	R		1/11/18	1/18/18			
001293	SA	broken	1/12/18	1/11/18	10-100		
001305	S			1/24/18			
001309	R	not working	1/30/18	4/16/18	10-100		
001310	R	Broken	1/30/18	4/4/18	10-100	please provide more information and resubmit	
001313	R		2/7/18	3/21/18			
001322	R	broken	2/15/18	2/14/18	10-100		
001323	R	broken	2/16/18	3/21/18	10-100	making comments	
001329	R	broken i can also add to this	2/28/18	2/27/18	10-100	i can make my own comments fixed and cleaned it	
001333	FP		3/8/18	3/21/18	10-100	*** Follow-up work order created from work order # 001327 ***	
001342	R	broken	3/16/18	3/15/18	10-100		
001343	R	no working	3/20/18	3/19/18	10-100	fixed it	
001345	R	broken	3/21/18	3/20/18	10-100		
001348	R	hot	3/22/18	3/21/18	10-100		
001356	R	broken	4/6/18	4/5/18	10-100	Fixed	
001357	R	broken	4/10/18	4/9/18	10-100		
001359	R	testing planning screens	4/11/18	4/11/18	10-100		
001361	R	broken	4/20/18	4/18/18	10-100		
001364	R		4/28/18	4/27/18	10-100		
001368	R		5/18/18	5/9/18	10-100		
001371	R	overheating smells hot	5/14/18	5/11/18	10-100		
001374	R	broken	5/18/18	5/17/18	10-100		

Completed Work Order by Employee (Dispatched)

Site: MAIN Main Zone: 01 Manufacturing

Cory Lister

001375	R		5/21/18	5/18/18	10-100		
001376	R	broken	5/22/18	5/21/18	10-100	Fixed	
DAGOSTINO, CINDY B							
001275	R	broken	11/22/17	1/10/18	10-100	Completed	
Kaldwell, Jack A							
001118	EM	Bolts fell into line groove between stations preventing the line from moving.	9/13/16	9/13/16	102	Had to use magnets to get bolts out of groove. Suggest to put up signage to secure tools when crossing station.	2
MAPCON Administrator							
001303	PM	Complete Checklist	1/25/18	3/8/18	10-100		
mapcon sales							
001260	R	testing group email	10/3/17	10/2/17	10-100		
operator operator							
001315	R	broken	2/15/18	2/8/18	10-100		
001334	PM	Complete Checklist	3/8/18	3/7/18	10-100		0
Total WOs by this Zone: 98			Total Act Hours by this Zone: 26.25				
WO Grand Total: 98			Average Act Hours Overall: 26.25				

Projects - Design

File Edit Navigate Utilities Help

Report Generator

Lookup Home Refresh New Record Save Record Next Previous First Last Close Cancel Help

Project # Project Name Status

Lookup Main Design Sites Costs

Design Information

Initial Design Completed

Initial Cost Estimate

Final Design Completed

Project Approved

Budget And Costs

Budget

Estimated Costs

% of Budget

Actual Costs

% of Estimate

% of Budget

Menu Project Data Entry Base Successful

Projects – Costs

File Edit Navigate Utilities Help

Report Generator

Lookup Home Refresh New Record Save Record Next Previous First Last Close Cancel Help

Project # Project Name Status

Lookup Main Design Sites Costs

Work Order Charges

CD	Rate	Description	Est Labor	Est Equip	Est Purch	Act Labor	Act Equip	Act Purch
00	0000.00	000000	0000	0000	0000	0000	0000	0000

Totals

Estimated Total Actual Total

Menu Project Data Entry Query Success

Mobile

Back

Lookup

+ Options

Filter items...

My Work Orders (Open) 32

10-100001325

Repairbroken

Date Req: 02/27/2018

10-100001324

Repair

Date Req: 02/16/2018

10-100001320

Repair

Date Req: 02/19/2018

10-100001319

Repair

Date Req: 02/19/2018

MALL A*BURGER KING001316

Repair

1 - 32 of 32

Back

Equipment

Equipment #

10-100Find

Main

Status

IN

Critical

Keyword

TRANSFORMER

Description

#10 1500/2000 KVA DRY-TYPE
SUBSTATION WITH 480 VOLT
SWITCHGEAR

Cost Center

4000

Department

BUILDING

MAPCON online!

HM

5.4.4

MAPCON includes very comprehensive dispatch and scheduling features:

- Simply dispatch work orders from the work order-planning window or simultaneously dispatch multiple work orders from a batch work order dispatch window.
- When work orders are dispatched, the employee that work orders are dispatched to receives an e-mail notification.
- Generate PM work orders and dispatch simultaneously. Employee will receive dispatched work via e-mail with a PDF attachment containing all work orders dispatched to them.
- Employees with work orders dispatched to them will receive a mobile alert that work has been assigned to them
- Use one of several dispatch reports to produce reports of work sorted by individual, date, location or asset, or create your own.
- View user or any employee's dispatched work on-line.
- Use MAPCON Mobile to view dispatched work
- Use the calendar based work order resource scheduler to simultaneously dispatch and schedule work orders by day, week, month, or semi-annually
- Use employee scheduling to:
 - Quickly schedule emergency or planned work
 - Schedule by employee or craft for any shift on any day
 - Easily reschedule work orders
 - View employee and craft availability
 - View schedules by shift and craft on-line
 - Plan and schedule simultaneously
 - Dispatch and schedule simultaneously
 - Schedule initiated, planned, overdue or backlogged work by priority and date required
 - Schedule individual or selected work orders
 - Easily print work order schedules by employee, craft or crew
 - Drag and Drop work orders onto calendar schedule by day or week
 - Color coded tiles to easily distinguish between work order types or priorities
 - Techs can view and complete work orders from their own schedule
- The State of Iowa currently has customized their MAPCON system to have work requests submitted through the HTML work request page

5.4.5

MAPCON includes time reporting functions using an on-line timecard system with the following features:

- Enter timecards from the work order (employee) or from a separate menu selection (timecard operator)
- Track regular and overtime hours for each employee, crew and craft

- Charge hours to Work Orders and non-work-related events, such as vacation and sick time.
- Charge hours by craft or employee rates
- Use burden percentages to include burden in craft or employee rates
- Include additional costs for off shift tasks or jobs requiring special skills
- Maintain full audit trail for each timecard and each timecard adjustment
- Run historical reports showing time spent on work orders by person, asset or craft.

5.4.6

Employees can log in via the desktop application or the mobile application and pull the list of work orders assigned to them and add time, materials, tasks, and any other pertinent information related to the individual job of their choosing. Once the tasks are completed they can then pull from the remaining list of work and complete the next job.

5.4.7

MAPCON provides SMTP out-bound e-mail functionality in several areas:

- Dispatched PM work orders are e-mailed as PDFs
- When a work request is created, an e-mail notification is sent to a user-defined address.
- When Work Orders originate from Work Requests, the system will send e-mail notifications when the Work Orders is created, dispatched and completed or canceled.
- Any report can be e-mailed as a PDF or an Excel Document
- Out-bound email notifications can be configured and customized by the end user of the MAPCON product

5.4.8

As MAPCON is currently utilized by the DAS no conversion of the MAPCON database would be required.

5.4.9

Mapcon Technologies, Inc. will provide valid and current software licenses with complete documentation and media. Mapcon Technologies, Inc. will replace any media that contains errors, becomes corrupt or otherwise becomes unusable.

5.4.10

Mapcon Technologies, Inc. currently provides the State of Iowa with a perpetual license to use MAPCON with concurrent user licensing for both the software and the MAPCON Mobile application on a per server basis. DAS will be able to purchase new licenses to increase capacity at any time. Although decreasing licenses is not normally done, it is possible and will be handled

by Mapcon Technologies, Inc. on a case by case basis. The costs to increase software and/or mobile concurrent user licensing will be provided to DAS via a quote by Mapcon Technologies, Inc. when the software is hosted on a DAS-ITE server.

If the solution is to be hosted in the cloud, Mapcon Technologies, Inc. will provide the State of Iowa with a subscription based license to use MAPCON with concurrent user licensing for both the software and the MAPCON Mobile application. DAS will be able to add or remove concurrent software and/or mobile user licenses once a quote is provided by Mapcon Technologies, Inc.

5.4.11

MAPCON accurately processes date data between and among the twentieth and twenty-first centuries. All leap year calculations have been tested and validated as well.

5.4.12

MAPCON's Inventory module is a spare parts inventory control system with many functions. The Inventory module contains (but is not limited to) the following functionality:

- Inventory definitions (keyword, category, storeroom, units of measure, description, vendors, equipment, alternate parts)
- Multiple storerooms (EOQ, min, max, opt, ASB, QOH, availability)
- Yearly usage based on fiscal accounting periods
- Projected balance based on requisitions, orders, reservations, and quantity on hand (QOH)
- Multiple costing methods (LIFO, FIFO, Standard, WTG Avg.)
- Material counting cycles
- Issues>Returns
- Complete Audit (issues, returns, receipts, adjustments)
- Inventory classification
- Document Attachments (PDF, BMP, Word, Excel, GIF, JPG)
- Critical Spares
- Multiple Vendor Items
- Last price, Vendor last price, last PO Price
- Automatic or manual reordering
- Material requests
- Distribution reports
- Detailed information on work orders
- Manual adjustments
- Track Inventory Turns by stockroom
- Track slow moving items

The MAPCON Inventory module can be acquired as an add-on to the MAPCON software at any time.

5.4.13

The MAPON software includes a Fixed Asset Module as part of the base product.

Asset tracking functionality and capabilities include but are not limited to:

- Repair maintenance (downtime, failures, user defined types)
- Scheduled (Preventative) maintenance based on time, 52-week, meter or gauge
- Planned Repairs or PM (craft, crew, shift, job steps, estimated hours)
- One step (after the fact) Work Orders
- Complete location relationship with assets and property (tags, counts, descriptions, item cost, square footage costs)
- Vendor/Manufacturer associations
- Zones provide a way to segregate equipment and work orders by building, area, department or other user defined definition.
- Users assigned to zones only see data in their zone.
- Bill of Materials
- Cost Center/Department associations
- Consumed materials (purchased, non-stock, stocked, consignment)
- Safety Procedures
- Cost break down for labor, materials, and purchases
- Year to Date and the asset's lifetime
- Equipment and Location hierarchies and hierarchical costs
- Work History and yearly Cost History by fiscal period from asset
- Location square footage costs
- Routes (work on multiple assets)
- Project Management (estimation, costs, critical path)
- KPI Reporting
- Document attachments (PDF, BMP, Word, Excel, GIF, JPG)
- Nameplates (specifications) by keyword
- Warranty date tracking
- Checklists to equipment, work orders, or PM's
- Asset Certification Tracking
- Lifetime Replacement Tracking
- Revision History Tracking

5.4.14

Mapcon Technologies, Inc. has developed an optional Service Billing Module that can generate customer billing invoices as well as allow for incremental billing. Reports can also be generated through the service billing module that will show work orders costs and profit margins if required. The Service Billing Module can be added to the base MAPCON product at any time.

5.5

Mapcon Technologies, Inc. will report to the State's Program Manager Designee.

5.6

Mapcon Technologies, Inc. understands that DAS will assign a Project Manager for this project.

Software Elements and Capabilities

MAPCON ADVANTAGES

- The ultimate in customizability! MAPCON allows you the flexibility to modify data entry fields, screens and menus to meet your company's needs.
- Expandability to allow for your long-term needs, including stand-alone mobile application, barcoding and interface capabilities.
- MAPCON is a full-featured system! We give you the features you need and allow you to add the features you want by simply adding additional advanced modules to your MAPCON system. As your company grows you will have the capability to add everything you need such as Projects, Purchasing, Inventory Management, and More! Pay for what you need and nothing more!
- With over 30 years in the making, no one else can give you everything we offer at such a great price!

GENERAL FEATURES

- A consistent user interface across all menus, screens and sub-systems reduces training and startup time.
- Color-coded screens identifying data as required, optional or display-only reduces errors and speeds up data entry time.
- All our manuals are located right inside the MAPCON software for easy access.
- Over 400 Lookups allow data to be retrieved by keywords, number or name. Easy to create your own Lookups too!
- Overlays allow users to move between multiple windows without returning to a menu.
- Create custom User Menus for security and quick access.
- Data moves automatically between sub-systems. No re-entry of data is ever required.
- Variable length data structure allows unlimited length text descriptions. You could write a novel!
- Security is provided at the login, menu, screen and field level. In addition to security access codes, an activity oriented Authorization Control System prevents any user from performing unauthorized activities.

ADVANCED FEATURES

- E-mail work orders, purchase orders, issue tickets and reports. Either generate text in e-mail or include as an attachment.
- Zones help segregate costs and responsibilities. Equipment, Locations and Human Resources can be assigned to either physical or logical maintenance zones.

- Over 300 standard reports are provided with the system. Two report generators allow for creation of any report desired. If the data is in the system, you can report on it!
- All programmed and custom MAPCON reports can be exported to Excel.
- MS WordTM documents, MS ExcelTM spreadsheets or PDF files may be attached directly to any master record. Attachments can be automatically printed with work orders. Records can also have a link to a website for manufacturer's instructions, detailed specifications, etc.
- Attach drawings to equipment, inventory, or locations. Exploded part diagrams, blue prints or any other type of picture can be printed with the work order. Bmps, jpgs, gifs, plus over 100 other formats are supported.

HUMAN RESOURCES

- Complete personnel records include vacation and training schedules, overtime records, skill levels, regular and premium pay rates, plus much more.
- A comprehensive timecard system allows employee time to be charged directly to work orders or to Administrative Codes.
- Costs are automatically charged to work orders using either craft (skill) rates or the employee's actual pay rates. Separate user defined burdens can automatically be added to regular and premium rates.
- Special codes can be set up for Hazard Pay and Shift Differential Pay and used by the timecard system to easily track varying pay rates.
- The timecard system automatically fills in worker's Crew and Craft information plus work order date and number for time-saving data entry.
- When turned off, the timecard system will still allow tracking of labor hours for each Craft on work orders.
- Track user time-off (vacation, jury leave, etc.) to prevent overbooking while Scheduling work orders

EQUIPMENT MANAGEMENT

- Equipment records include the hierarchical relationship of equipment, up to 99 levels deep, providing more accurate cost tracking.
- An attached Bill of Materials is available for the work order planning process. The Bill of Materials list can be automatically updated by issuing new parts to work orders against the equipment.
- Total monthly, year-to-date, lifetime and hierarchical maintenance costs can be displayed at any time. Separate costs are shown for labor, stock, and purchases.
- A handy inspection checklist keeps you on top of conforming to regulations.
- Procedures from a safety procedure database can be attached to any piece of equipment and are automatically included on any work order written against it.
- Unlimited meters and gauges can be set up for each equipment item.

- Warranty information is tracked so repair work can be directed to the equipment's vendor if needed. The user will be notified at the time of work order creation if a warranty is in effect.
- Lifetime replacement tracking. As repair costs accrue during an assets lifecycle know when it's time to replace.
- Equipment Certification tracking. ISO, OSHA, or even create your own certification tracking codes inside MAPCON.

PURCHASING

- A complete purchasing system is integrated with Work Orders, Projects, and Inventory.
- The formal system includes Purchase Requisitions, Blanket Orders, Purchase Orders, Change Orders, multi-level approvals, posting, printing, Receiving and Invoice Reconciliation.
- A Vendor database identifies primary and secondary vendors for each inventory item and contains history and vendor performance data for the last two fiscal years.
- The multi-level approval system with individual financial limits for each purchasing agent and a formal Change Order system provides total control of expenditures.
- Requisitions can be setup with Department Level approval. If the requisition dollar amount is higher than the user's authority level, the requisition is automatically sent to the next higher department until it reaches a user in a department with proper authority.
- Blanket Purchase Orders can be used to establish long term contracts with vendors for multiple items and multiple release dates. Purchase Orders are automatically generated for each release.
- Standard paragraphs (instructions, terms and conditions) that are specified in the Vendor file are automatically entered on a Purchase Order when it is created. They can also be selected from a popup while editing the Purchase Order.
- Purchase requisitions are automatically generated whenever a work order part reservation decreases the quantity available below the re-order level.
- Purchasing is very flexible in order to meet your operating needs. If purchasing is turned off, accurate inventory tracking is still provided by Issuing parts to reduce the quantity-on-hand and then receiving parts to increase the quantity-on-hand.

INVENTORY CONTROL

- A fully featured, real-time inventory system includes stock, non-stock, memo entry, tools, and consignment inventory types.
- The system offers a choice of Standard, Weighted Average and LIFO or FIFO costing methods.
- A "Where Used" listing specifies the pieces of equipment for which each part is used.
- The integration of an inventory reservation system with work orders and Scheduling insures that labor can never be dispatched unless planned parts are available.

- Issue Tickets are automatically created by the work order system or may be created upon demand. A formal Return system allows parts to be returned to stock or written off.
- Stock can be stored in multiple aisle-shelf-bins and in multiple Stockrooms. A Stockroom can be exclusive to a Site or used across multiple Sites.
- A physical inventory reconciliation system (Cycle Count) minimizes the effort in making sure that inventory book entry agrees with physical inventory counting.
- Minimum, Optimum and Maximum Stocking Levels, Reorder Quantity, and Vendor Distribution Unit Conversions can be defined for each inventory item. The reorder program will always attempt to bring stock back to the optimum level.
- Weekly inventory usage data is kept on-line for four years and is key to establishing the most cost-effective stocking levels for reordering.
- An automated Inventory Usage Update can calculate demand based on historical information and set the Classification Code to A, B, or C to indicate highest to lowest usage.

MAINTENANCE MANAGEMENT

- A complete, formal work-flow-enabled work order system includes material and labor planning and scheduling.
- An "After the Fact" work order allows work to be recorded quickly without the use of the formal work order process.
- HTML Work Request Page allows for unlimited work requestors without a need for an individual log-in.
- The work order system can be completely integrated with Purchasing, Inventory Control and Human Resources.
- Work Requests get the maintenance process started quickly and reduce the possibility of duplicating work. A history file will track what happens to user's work requests.
- Work orders may be written against equipment, locations, cost centers or routes.
- The total estimated costs of labor, material and purchases are kept for each work order. Actual charges are updated when parts are issued, purchases are received or labor is charged. The cost variance is automatically calculated and becomes a part of work order history.
- Work orders may be completed but kept in the active file to allow for continuing charges or corrections for any specified amount of time (e.g. 30 days, 6 months, etc.) before being transferred to the History file.
- A handy equipment history window shows all work orders open and completed against equipment and may be queried and sorted by date, user name or other criteria.
- A "Batch Work Order Completion/Cancellation" utility saves valuable time by allowing for multiple closures/deletions from one screen.

PREVENTIVE MAINTENANCE

- A single menu pick will generate work orders for all PM procedures that are due or forecasted to be due within a date range specified by the user.

- Standard Preventive Maintenance Procedures can be created and stored in a PM Procedure database. Each procedure can then be attached to multiple equipment, locations, or routes.
- PM Procedures include the required labor and parts that will be used on all entities to which the procedure is attached. Parts that are specific to a piece of equipment for a given procedure can be defined in the equipment's Bill of Materials.
- Forecast parts and labor usage for any specified date range.
- Planning includes the assignment of multiple crews and craftsmen and their estimated hours to each generated PM work order.
- A Cycle PM feature allows multiple PM procedures to be placed in a list with a scheduled interval. As each scheduling interval is reached, the next procedure on the list is used and the list is advanced. This is very useful for weekly, monthly, quarterly and annual PMs that are done in a “series” without duplicating job steps.
- Planning also allows the reservation of stocked material and the creation of Purchase Requisitions and Purchase Orders for materials and services ordered specifically for the PM work order.

PROJECT MANAGEMENT

- A built in Project Management system can link work orders and purchases into a project matrix.
- Project screens include the projected start date and a list of work orders and purchases attached to the project.
- Project Creation allows projects to be budgeted and work assigned to the project.

SCHEDULING

- Schedulers are assigned to maintenance zone(s) and each zone has its own independent schedule. Zones can be scheduled simultaneously.
- PM work orders can be automatically scheduled when they are generated and work orders connected to a Project can be automatically scheduled.
- Crews are assigned to Sites, but crews can be marked sharable so members of a crew may be used by Schedulers in other Sites.
- Work orders are automatically prioritized to assist in scheduling.
- Any PM work order can be generated upon request regardless of its normal scheduling parameters.
- Schedules, work orders and their associated issue tickets, safety procedures and drawings can be printed automatically.
- A percentage of total time available for each Craft allows the labor pool to be scheduled yet still have resources available for “putting out fires” and handling other unexpected occurrences.

COST CONTROL

- MAPCON comes with a complete cost tracking system that accrues Monthly, Year to Date and Lifetime expenditures for equipment, locations, direct charges, material, labor, purchases
- Costs are accumulated into Cost Centers, which can be associated with one or many equipment, locations, routes, stockrooms, parts or projects.
- Period End Closing Procedures insure that work-in-process costs are reflected in the proper accounting period.
- Automatic fiscal period crossover eliminates downtime sometimes associated with “closing the books”.
- The Mapcon Administrator can define a Fiscal Year and divide it into any desired number of accounting periods, Monthly or Quarterly being the most common.
- Direct Charges to cost centers are allowed. A work order may be written directly to a cost center, or a purchase order may charge parts or service contracts directly to a cost center.
- Charge codes can be used to separate work order Labor costs from Material costs.
- PM and Safety Procedures can be tied directly to cost centers to help decrease setup time when there are no equipment or locations yet created, or if they are not available.

SERVICES

- World Class Customer Service! When you use MAPCON, you join our growing family of users, each of whom is treated like a valuable member of the Mapcon Team.
- Unlimited Phone and e-mail support. Our support staff is only a phone call or email away!
- Training at your location can be the most cost-effective training solution. Attendees will be familiar with their equipment, tasks and information. Customized to meet your needs, on-site training motivates users and promotes a team-building environment.
- Consulting services can assist you in getting the most from your investment.
- Custom programming is available for special projects or to tailor the system uniquely to meet your needs.
- Our website at www.mapcon.com showcases new products and demo software to download
- The MAPCON User Group (MUG) is an independent organization of MAPCON users who gather annually at the MUG Conference and exchange ideas on how to use and customize their MAPCON systems for best performance. The three-day conference includes user presentations, basic training and lots of food and fun. There is something for everyone! Owning a MAPCON system is the only qualification to join this remarkable group and to become a member of the Mapcon Team.

Training plan for 2 DAS/CCM employees (train-the-trainer)

Mapcon Technologies, Inc. recommends that 2 DAS/CCM employees attend a 3 day MAPCON System Managers course in Johnston, IA at time and dates determined by the DAS/CCM and Mapcon Technologies, Inc. after the awarded contract. This will give these employees the experience necessary to train other DAS personnel. Mapcon Technologies, Inc. will then recommend that one of our trainers spend 3 days on-site training DAS/CCM personnel with a plan that is tailored by Mapcon Technologies, Inc. trainer and DAS/CCM to meet their specific needs.

On-going training

MAPCON Fundamentals Training – Held four times a year in our Johnston, IA training center.

MAPCON Users Group – Annual conference that provides many networking and training opportunities.

MAPCON On-Line Training – One to Two hour on-line training sessions via Go-To Training tailored to your needs.

MAPCON On-Site Training – MAPCON Trainers can tailor 2 or 3 days on-site training to DAS needs and wants.

Process for tailoring and adapting MAPCON to fit the State's needs

Mapcon Technologies, Inc. will require specifications from DAS on the adaptations needed. Mapcon Technologies, Inc. will then attempt to make the changes within the application without charge. Many user optimizations and customizations are possible without custom programming services. If custom programming services are required to implement the required changes, then Mapcon Technologies, Inc. will provide DAS with a written quotation and specification.

Process for converting the existing MAPCON database.

MAPCON will not need to convert the existing database as the database is still the current platform used by the MAPCON software.

Exhibit 12

Project Management Team

Joel Tesdall – Project Manager

Title: President/Project Manager

College: Fontebonne University

Degree: Bachelor's in Computer Science

Time spent with Mapcon Technologies, Inc.: 25 years

Projects completed with the State of Iowa: Joel was the project manager for the previous RFP and the implementation of MAPCON.

Other projects: Over the years, Joel has completed many other projects for our clients. Here are just a few:

- Oversaw the implementation of MAPCON by United Airlines, Kenworth Trucks, Westinghouse, and many others.
- Personally designed and implemented many modules within MAPCON, including mobile, preventive maintenance, and projects.
- Over the years has performed every role at Mapcon Technologies, Inc. including sales, marketing, support, and training.

Craig Hilleson

Title: Software Support/Programming

College: Iowa State University

Degree: Management Information Systems (MIS)

Time spent with Mapcon Technologies, Inc.: 19 years

Projects completed with the State of Iowa: Craig has been the one to complete the majority of the custom programming within the State of Iowa's MAPCON system, dating all the way back to 2010. He created the HTML maintenance request page for the State, which allows maintenance requests to be dispatched automatically.

Other projects: Craig has completed a multitude of custom projects for other clients as well.

Below are just a few examples:

- Created a custom calibration module for Westinghouse Nuclear Fuel Division that allows users to track all of their instrument calibration readings, along with other pertinent data.
- Programmed a custom interface for Red Star Yeast which sends purchase order and receipt information from MAPCON to their Oracle Financial Software.
- Created an estimation module for the City of Garden City, KS which allows them to budget for projects by organizing labor, materials, and other costs.
- Customized project invoice printing for the City of Garden City, KS which enables users to merge and print all invoices for parts associated with specific projects with the click of a button.

Steve Wigton

Title: Training Coordinator/Consultant

College: University of Iowa

Degree: Bachelor's in General Studies

Time spent with Mapcon Technologies, Inc.: 26 years

Projects completed with the State of Iowa: When MAPCON was first purchased, Steve went on-site to do a needs assessment, which allowed him to assist with determining how exactly the software could be used. Steve has provided training for the State of Iowa, both on-site and at our headquarters. He has also provided ongoing customer support to the State.

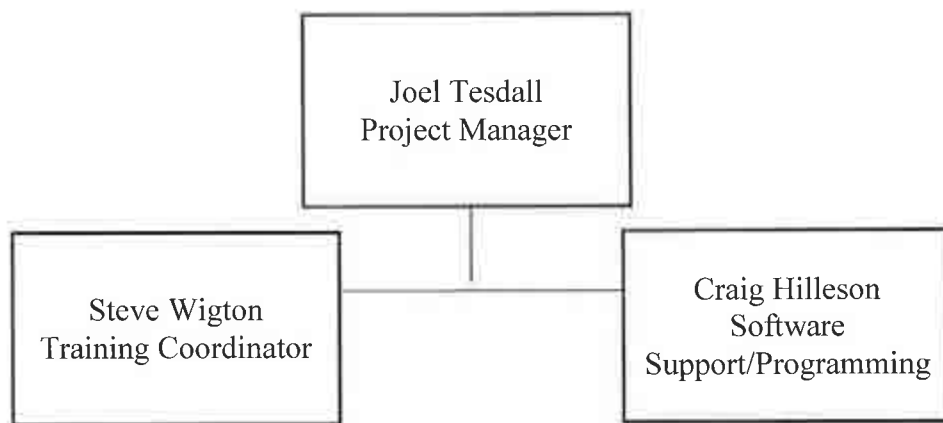
Other projects: During his tenure at Mapcon Technologies, Inc., Steve has been an integral part of many other projects. Here are a few examples:

- Regularly consults with clients on what type of training (on-site, online, or at our facility) is best for their specific needs.
- Prepared the staff at Lafayette General Hospital for a major software upgrade by providing customized on-site training and support.

Management Structure

When users from the State of Iowa call Mapcon Technologies, Inc. between 8-5PM Monday - Friday for customer support, they will reach a live person in our Des Moines office.

Additionally, support requests can be submitted through our ticket system. All phone messages and support tickets will receive a response within two hours.



Project Management

Joel Tesdall President

Training Management

Steve Wigton Training Coordinator

Customization and
Interface Programming
Management

Craig Hilleson Software Support/Programming

Project Status Reporting:

Weekly status reports will be provided with the following major milestones reported:

1. System Manager Training
2. On-Site User Training
3. Customizations and Interface Implementation (if applicable)

Example of a Management/Status Report

This can be found on the next page.

Mapcon Technologies, Inc.

Project Status Report

Project Name:				
Prepared By:			Date:	
Reporting Period:		Conclusions:		
		<input type="checkbox"/> On-Time <input type="checkbox"/> Behind Schedule <input type="checkbox"/> Serious Issues		
Planned Tasks for this Reporting Period				
Task Description	Start Date	Target End Date	Percent Complete	Task Status
1.				
2.				
3.				
4.				
5.				
6.				
Variance Details:				
Corrective Actions:				
Objectives for the next reporting period:				
Notes:				

Exhibit 13

Ongoing Customer Support

MAPCON Technical support is available to State users and administrators 8 AM to 5 PM CST, Monday through Friday, exclusive of holidays. Technical support can be obtained for system outages, problems, help desk services, and support for MAPCON by telephone or email. As often as possible, a support call will lead to an immediate resolution. When that is not possible, staff can request status calls be given until the desired resolution is achieved. When a support ticket is sent in during normal business hours, a member of our support staff will provide an update or resolution within two hours.

- MAPCON Support Toll Free number 1-800-223-4791 (Local 331-3358)
- MAPCON Support Email – support@mapcon.com
- State of Iowa Contact – Steve Wigton – Training Coordinator/Consultant
swigton@mapcon.com

MAPCON Software Support Services Include:

1. Telephone Support
2. Software Repair Services
3. Extras such as e-mail support and MAPCON Support Website access
4. Version upgrades as determined by Mapcon Technologies, Inc.

Communication Plan:

Request tracking and status – When a MAPCON user calls in for support during our regular office hours, we make every effort to resolve the issue on that same call. If a callback is needed, the State may request periodic updates on the issue until a resolution is reached.

When a support ticket is created, an email will be sent to the originator when the ticket is accepted, responded to, or escalated. A member of our staff will respond to the ticket in under two hours, even if it is just to provide an update.

Scheduled maintenance and system downtime – An email notification will be sent to the State as soon as Mapcon Technologies, Inc. is aware of any system downtime or scheduled maintenance. When possible, at least 24-hour notice will be given.

Staff Requirements:

During normal business hours, staff members are required to respond to support tickets within two hours, even if they are just providing a status update. When phone calls do not result in an immediate resolution, employees of the State may request status updates to occur on an agreed upon basis until a resolution is reached.

Primary Consultant Office:

Mapcon Technologies, Inc.'s headquarters, located at 8191 Birchwood Ct. Suite A in Johnston, Iowa will serve as the primary consultant office for the State.

Unsatisfactory Service:

If at any point the State becomes dissatisfied with the service provided by Mapcon Technologies, Inc., State employees may contact our Client Solutions Advocate, Diane Wiand. She can be reached via email at diane@mapcon.com or by telephone at 800-922-4336x106.

Example of a User Manual:

See subsequent pages.

MAPCON



Let's Get Started

Quick Start Guide MAPCON CMMS Software (both versions)

MAPCON LITE *and* MAPCON PRO

Updated October 2017

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Easy to use. Powerful software. Priced right.
1-800-922-4336 • www.MAPCON.com • sales@MAPCON.com

Introduction

Thank you for using MAPCON Maintenance Software!

This “Quick Start” guide is intended to help you get started using MAPCON quickly. Starting on the right track will help you and your company utilize the system efficiently for years to come.

After using this guide, refer to the MAPCON User Manual for more detailed information.

If you have any questions, please don't hesitate to call a MAPCON Sales Specialist for fast, friendly service at (800) 922-4336 or email: sales@mapcon.com. And, thank you for your business!

Note: This guide applies to both versions, MAPCON Lite and MAPCON Pro whether hosted (*On-Demand*) or server-based (*your server*). With the server-based version, your IT department is responsible for server maintenance and performing backups, and with the hosted option, Mapcon Technologies, Inc. will maintain the server.

Disclaimer: We have tried to make this guide as accurate and complete as possible. However, some errors may exist. Mapcon Technologies, Inc. cannot accept responsibility for losses due to the use of information in this guide. If errors are discovered, written suggestions should be directed to:



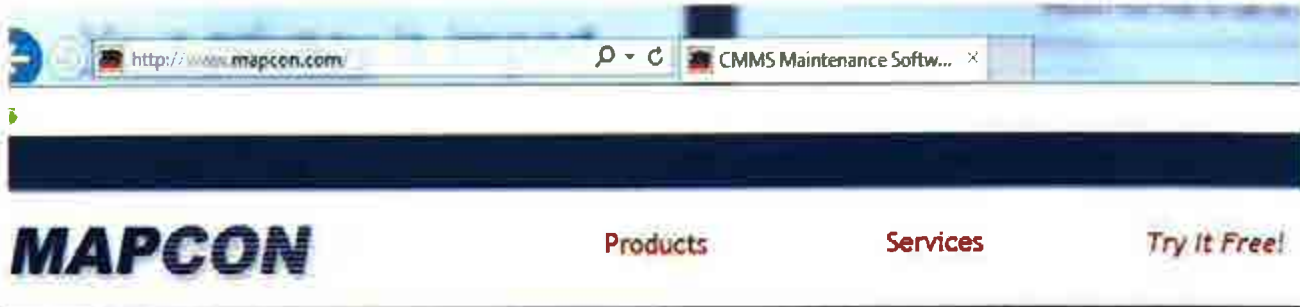
MAPCON Technical Writer
MAPCON Technologies, Inc.
8191 Birchwood Ct., Ste A
Des Moines, IA 50131-2930
Tel: 1 (800) 922-4336
Email: sales@mapcon.com

1-800-922-4336 • www.MAPCON.com • sales@mapcon.com

Let's get started!

HINT: If you have already downloaded MAPCON, you may skip ahead to Step 5!

Step 1. Head over to www.mapcon.com and click the 'Try It Free!' button, then click Download MAPCON.



Step 2. Next, please complete the Evaluation Registration form that helps us prepare your 30-Day Free Evaluation.

Our form helps to prepare your Free Evaluation and make us aware of who is evaluating our software products.

No credit card is necessary. This is really a free software evaluation.

Your privacy is important, of course. Your contact information stays with us and will not be shared with anyone.

We will set up your 30-Day Free Evaluation to run on our servers exactly as though you were using MAPCON's 'On-Demand' version (*software as a service option*).

MAPCON: Software That Fits Your Needs MAPCON CMMS "Try It Free" Software Evaluation Registration

MAPCON's "Try It Free" Software Evaluation program allows you to use and evaluate a full version of our CMMS Software for 30 days. The evaluation runs on MAPCON servers.

FREE EVALUATION

No Credit Card is necessary! Your evaluation is just that, *an evaluation*. We will not ask you to provide credit card or other payment details in order to evaluate our CMMS Software.

YOUR PRIVACY

Please understand that MAPCON respects your privacy. We do not supply your information to 3rd parties. Your information is used only for our internal sales, support and follow-up procedures. You can review our privacy policy here.

Downloading MAPCON

Watch the video to learn how to download MAPCON.



Prefer a Printed Guide? Download our 'Let's Get Started Guide' (PDF) now!

Thank you for registering your evaluation

Please feel free to call us at 1-800-922-4336 with any questions or concerns.

ote:* = Required

Last Name*

MAPCON

Step 3. From the evaluation registration form, you are sent an email link to our download page. Click the 'Install' button.

First, click the 'Install' button to begin MAPCON setup on your workstation or other computer.

IMPORTANT! Various browsers (such as Google® Chrome, Mozilla® Firefox, Apple® Safari, Internet Explorer and others) may display security warnings including 'notification bars'

either at the top or bottom of your browser window. These are variously colored yellow, gold or white – but all are designed to protect you from malware and other security threats.

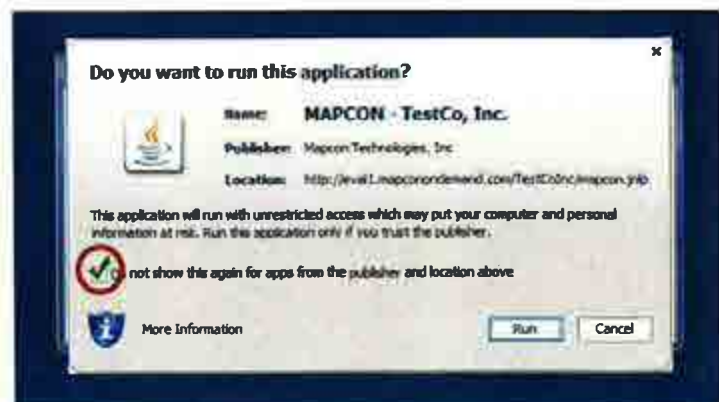
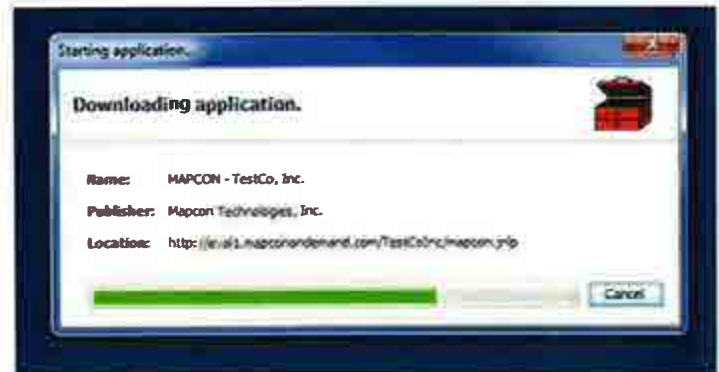
In our case, these bars may warn you that 'Java' wants to run. Please allow Java to run. Java is required to run MAPCON CMMS.

The MAPCON download is almost complete! Everything is just about ready.

Problems?

We're here to help you!

Call us 8:00 am – 5:00 pm US (CT), Monday – Friday at 1-800-922-4336! Or, email us at: sales@mapcon.com.



MAPCON

Step 4. Now, we are ready to begin our 10-minute system setup. Enter your Username and Password when prompted.

Time to login!

Finally, you are presented with our Login Window.

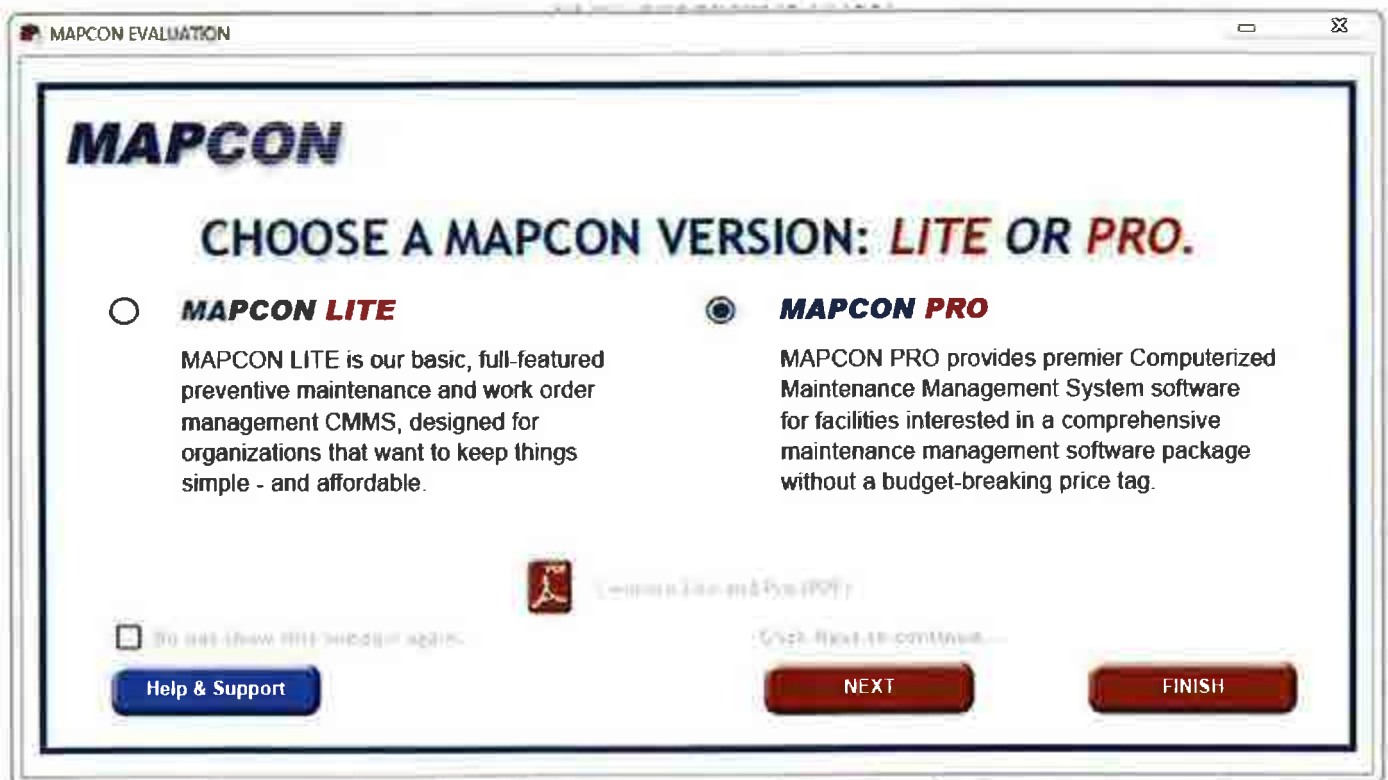
Please enter the Username and Password you created earlier and is listed in your evaluation email.

MAPCON CMMS Software is now ready to receive your maintenance information!



Choose a Version:

After logging into the system, the first window you're presented with asks you to choose which version of MAPCON you would like to evaluate, LITE or PRO. LITE is our basic CMMS, and PRO is usually selected by maintenance professionals looking for an all-inclusive CMMS.



MAPCON

Select Advanced Modules:

After choosing a version, MAPCON asks you to select any advanced modules that you may wish to evaluate. You may choose to evaluate ALL our advanced modules or just select the group you feel your organization can effectively utilize.

MAPCON

SELECT ADVANCED MODULES FOR EVALUATION

- ☒ Advanced Administration - Microsoft Active Directory Integration, Dashboards, Change Key, Filter Management, Attachments and System Scheduler
- ☒ Advanced Human Resources - Track Employee Time Off, Employee hours, Compensations Codes, Attainment Reports, Employee/Craft Pay Rates, Work Order Resource Scheduler
- ☒ Advanced Inventory - Issues, Returns and Reorders, Automatic Reorder and Physical Inventory (cycle counts)
- ☒ System Utilities - Quick Report Generator, Label Editor, SQL Editor, User-Friendly Menu Generator, MS Excel Importing
- ☒ Barcoding - Custom Label Design, Mobile Integration, Batch Inventory, Cost Center, Equipment, and PM Compliance Labeling
- ☐ Do not show this window again

[Click Here to continue](#)

[Help & Support](#) [PREVIOUS](#) [NEXT](#) [FINISH](#)

Above: MAPCON Pro Advanced Modules. Below: MAPCON Lite Advanced Modules

MAPCON LITE has fewer advanced modules and is ideal for smaller companies seeking a full-featured CMMS package that do not want to pay for features they will not use.

MAPCON

SELECT ADVANCED MODULES FOR EVALUATION

- ☒ Advanced Administration - Change Key, attachments, Automatic Email Management and MS Active Directory Integration
- ☒ Advanced Maintenance - Batch Work Order Close, After the Fact Work Order, KPI Reports, Maintenance/Lubrication Routes
- ☒ Advanced Utilities - MS Excel Importing and Report Generator
- ☒ Advanced Human Resources - Work Order Resource Scheduler (Basic)
- ☐ Do not show this window again

[Click Here to continue](#)

[Help & Support](#) [PREVIOUS](#) [NEXT](#) [FINISH](#)

Choose a Dataset, Yours or Ours:

The next screen asks you to decide between using your own data, or using MAPCON's sample data. Using your own data is a great way to see how well the software will work for your specific company. Using ours will allow you to see quickly what MAPCON can do for you, without entering anything.

MAPCON

CHOOSE YOUR PREFERRED DATASET: YOURS OR OURS.

☒ **I'LL USE MY OWN DATA**

This option will walk you through a step-by-step Setup Process that allows you to enter your company data while you evaluate MAPCON for your organization.

☐ **I'LL USE MAPCON's SAMPLE DATA**

Selecting this option will bypass the normal Setup Process and load 'sample data' into your evaluation database. Using MAPCON's sample data assumes you are already familiar with CMMS Software.

☐ Do not show this window again

[Click Here to Sign Up Now!](#)

PREVIOUS **NEXT** **FINISH**

Next, you have the option to review a more in-depth guide, or to watch a short tutorial video which will help you get your system set up the way you need.

Once you are ready to get into the actual software, click finish.

MAPCON

QUICK START GUIDE

MAPCON has a printable Quick Start Guide (PDF) and a Getting Started Video to assist you as you set up your own personalized version of MAPCON CMMS Software. Just click either of the buttons below view a Video or a PDF Quick Start Guide:

 [View our Quick Start Guide \(PDF\)](#)

 [View our Getting Started Video](#)

☐ Do not show this window again

Help & Support **PREVIOUS** **FINISH**

Additional Resources

Follow up this guide with more in-depth instructional guides to help you get up and running with MAPCON CMMS! Please feel free to make use of our Quick Start and Quick Tour Guides! They can be accessed within MAPCON, or by going to www.mapcon.com and selecting Products, then Product Brochures. Tutorial videos can be viewed by going to www.mapcon.com and selecting Products, then CMMS videos.

QUICK START - The Quick Start Guide is designed to escort MAPCON Users who intend to evaluate MAPCON using actual operational information from their own plant or facility. In this way Users gain a more precise insight into the viability of the software.

QUICK TOUR - The Quick Tour Guide is intended for MAPCON Users who are already familiar with this (or other) computerized maintenance management systems (CMMS) software and merely want to observe functionality without having to enter any information into the database.

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Exhibit 14

Implementation Plan

Statement of Project Understanding

Mapcon Technologies, Inc. has read RFP091800528 thoroughly and understands the project scope as described.

Responsibility Matrix - State and Mapcon Technologies, Inc.

State of Iowa Responsibilities

- Designate two employees to be trained at Mapcon Technologies, Inc. office
- Provide Mapcon Technologies, Inc. with remote access to install customizations and any additional modules (self-hosted)
- Provide MAPCON database for transfer of database to cloud services (SaaS)
- Help coordinate dates for in-house and on-site training

Mapcon Technologies, Inc. Responsibilities

- Provide MAPCON System Manager training
- Provide on-site MAPCON system training
- Provide any programmed customizations and additional modules to existing MAPCON system
- MAPCON database transfer to cloud (SaaS)
- Provide URL to State of Iowa DAS/CCM for workstations and mobile access (SaaS)

Self-Hosted Implementation and Work Plan

If the State of Iowa awards Mapcon Technologies, Inc. this contract and continues to have MAPCON installed and running from a DAS-ITE server. No data migration nor current user migration will be necessary as the database and the software is currently installed on the server. Mapcon Technologies, Inc. will then begin the custom modifications to the State of Iowa's MAPCON system. This will then require coordination of a time that the State of Iowa IT can provide remote access for Mapcon Technologies, Inc. to update the software license with the customizations and additional modules. Once a date has been set to update the license file, Mapcon Technologies, Inc. and the State will then coordinate a time for the 3 day in-house, train the trainer, training at Mapcon Technologies, Inc. training center in Johnston, IA. After the 3 day in-house training is completed Mapcon Technologies, Inc. will coordinate with DAS/CCM a time to complete the 3 day on-site training for the DAS/CCM staff tailored to their specifications. MAPCON Project Manager will then obtain authorization for the completion of the MAPCON project from the State of Iowa's designated Project Manager.

Hosted Implementation and Work Plan

If the State of Iowa awards Mapcon Technologies, Inc. this contract and chooses to have MAPCON transferred to SaaS cloud solution. Mapcon Technologies, Inc. will begin custom

modifications to the State of Iowa's MAPCON system. Once the customizations are completed the State of Iowa will need to provide the most recent copy of their MAPCON database to Mapcon Technologies, Inc. Once Mapcon Technologies, Inc. has received the copy of the database they will install the software with the State of Iowa's database upon a cloud based server, install the custom modifications, and update the license file to include any additional modules. Mapcon Technologies, Inc. will then provide the State of Iowa with their system's own unique URL for State employees to install the new client application on their work stations. The URL will also be needed to connect the MAPCON mobile application to the new hosted system. If the mobile app is not installed already on a smartphone or tablet, the app will need to be downloaded from either the Google Play Store or the Apple App Store. Once a date has been set to transfer the license file to the cloud, Mapcon Technologies, Inc. and the State will then coordinate a time for the 3 day in-house, train the trainer, training at Mapcon Technologies, Inc. training center in Johnston, IA. After the 3 day in-house training is completed Mapcon Technologies, Inc. will coordinate with DAS/CCM a time to complete the 3 day on-site training for the DAS/CCM staff tailored to their specifications. Mapcon Technologies, Inc. Project Manager will then obtain authorization for the completion of the MAPCON project from the State of Iowa's designated Project Manager.

Exhibit 15

Optional Services

Mapcon Technologies, Inc. offers a few optional services to go along with our software.

Support – A yearly support contract includes phone and email support, as well as any software upgrades. Phone support is available Monday – Friday 8AM – 5PM by calling 800-922-4336. Email support is available at support@mapcon.com

Custom Programming – Mapcon Technologies, Inc. offers clients the ability to request custom features, created specifically for their system.

Training – Mapcon Technologies, Inc. offers three different types of training – onsite, online, and at our headquarters.

Users Group – All of our clients automatically become members of our user group, which is a separate entity from Mapcon Technologies, Inc. and is ran by MAPCON users. Clients are eligible to attend our yearly conference. At the conference, MAPCON users can network with other users and share tips and tricks, and also receive some training from our staff.



Date: 15 MAY 2018
To: All Respondents
Subject: State of Iowa RFP0918005028

ADDENDUM No. 1
Vendor Submitted Questions and Answers

The State of Iowa received the following questions and requests for clarification by the due date and time listed in the Request for Proposal.

1. Section 1.4 (page 5) references other statewide agencies.
 - a. Will other statewide agencies need to be included in this RFP or will these be done as separate cost proposals or add-on pricing? This should be separate for each agency requesting to use this RFP due to each Agency has their own requirements and complexity of their current CMMS software. Other agencies will contact awarded vendor to obtain quote, based on unit pricing provided in the RFP response / cost proposal.
 - b. Is it desired that all State agencies utilize the same Maintenance System or separate systems? i.e The same or separate Databases? Each Agency will be responsible for its own Maintenance System and each Agencies own database.
2. In attachment #7, Exhibit C (page 63), which is referenced in Section 7, points 7.2 and 7.5 (page 25), letter A under General Hosting Obligations states the vendor will: "Operate the Services on a Server owned and maintained by Vendor". In section 5, point 5.2.1 (page 19) it is stated "The successful vendor must deliver "all" goods and services of the proposed solution and it must be installed,become operational on a DAS-ITE server"

The current MAPCON software licenses are installed on State of Iowa servers. If MAPCON is re-awarded the contract, is it the intention of the State to:

- a. Migrate the current MAPCON software off the State's servers and have it hosted in the cloud by Mapcon Technologies, Inc?
- b. Continue self-hosting MAPCON on the State's servers?
- c. Receive a proposal for both options? i.e. Hosted and Self-Hosted?

Option C. Provide the State with costs for A / B, with the understanding that each Agency might want either option

A or option B and the decision of either A or B option is at discretion of the Agency, not based on cost.

3. In section 5, subsection 5.4.3 (page 21), in substitute of the word "reports", Mapcon Technologies, Inc. assumes "features" is meant in the last sentence of the first paragraph. Is this correct?

In Section 5.4.3, this section uses both feature and report. A feature is an ability or functionality of the software to produce the desired outcome from the software (HR Modules, calendar based scheduling, project module). A report is a document that is generated from the software utilizing data analytics from the data entered/inputted to generate a document for use by the State of Iowa in the forms of XCEL/Word/MS Office.

4. Does this RFP impact the current MAPCON system that is installed at Woodward Resource Center?

All state agencies and political subdivision will be able to utilize the resulting agreement. Pricing should be provided in the cost proposal to allow all to obtain pricing for their locations. Pricing should be specific to FMC, but also provide a line to allow various agencies to obtain quotes for their usage.

MAPCON would need to contact WRC to determine what, if any, impact this RFP would have on their current use.

Exhibit 17

Performance Based Criteria

Mapcon Technologies, Inc. at this time, would not propose any performance based incentives and/or disincentives with the contract. We ALWAYS accomplish projects on time and at the price quoted unless there are changes or factors beyond our control. The decade of history we have with the State should be evidence of these claims. Mapcon Technologies, Inc. standards for all representatives are that all support voicemails and support tickets must be responded within 4 hours of receipt of the voicemail or ticket. In the case of the State of Iowa's RFP provisions the standard will be changed to 2 hours. Currently Mapcon Technologies, Inc. has a dashboard displayed upon a monitor that shows a 12 month rolling average for response time in minutes to support tickets and a 12 month rolling average in hours for resolution time for support tickets. These dashboards are available for all Mapcon Technologies, Inc. employees to view and inquire about, if necessary. Currently these dashboards results are not shared with clients. Mapcon Technologies, Inc. has agreed to the DAS right to request a reduction of 1 day cost of service if the 2 hour request for a response to support issues have not been rendered.