



MMP

Low & Medium Voltage
Motor Management Program

GEWOLONG
www.gemotorswolong.com



GE INDUSTRIAL MOTORS
a WOLONG company



Electric motors make
an average **70%**
of total
power cost*

\$87k/hr

Average cost of
unplanned downtime
for a typical industrial
processing plant**

Multiple suppliers, designs and specifications tying up resources.

Frequent unplanned maintenance disrupting operations requiring replacement motors onsite.

Older low efficient motors eating profits.

* <http://energy.gov/eere/amo/downloads/optimizing-your-motor-driven-system>

** <https://iac.university/technicalDocs/prodman.pdf> (Page 67)



\$930k/yr

Energy savings
uncovered during a
plant motor audit**

Frame agreements increase supply and specification efficiency freeing up resources.

Less unplanned maintenance and downtime with more robust motor designs.

+1% energy efficiency gains translate to less than a two year payback.

* <http://energy.gov/eere/amo/downloads/optimizing-your-motor-driven-system>

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*** Large pulp and paper producer motor audit results 2014

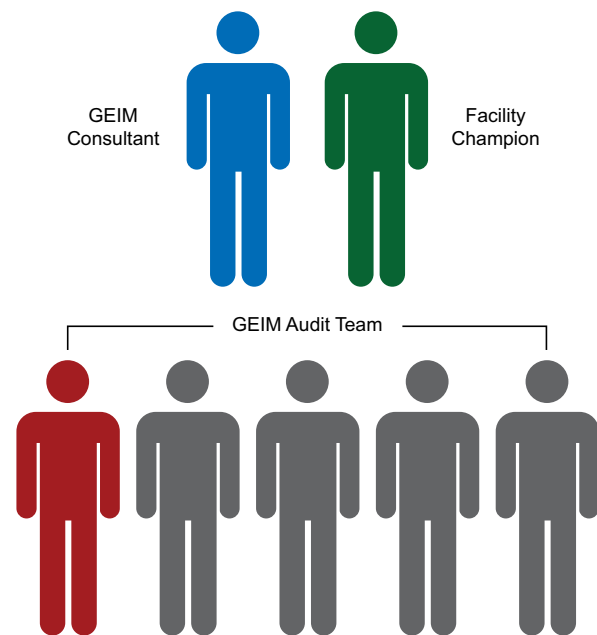
4 The Tools and Support to Quickly Optimize Your Operations

About MMP

Bringing together over 100 years of motor application experience and 21st century tools, GE has developed a motor management program that is both sophisticated and simple to implement with a turnkey set of solutions.

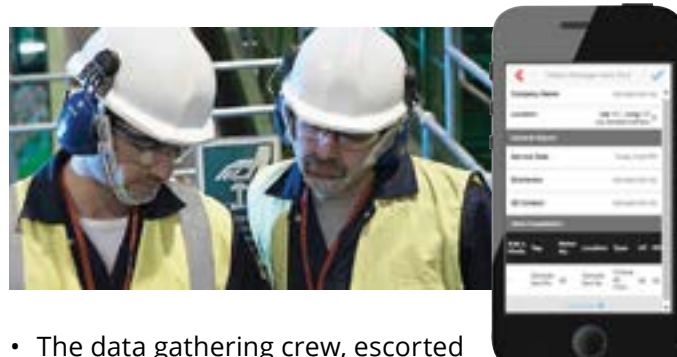
To get started, there are generally five major steps to follow as you ramp up your management program.

Create Your Audit Plan

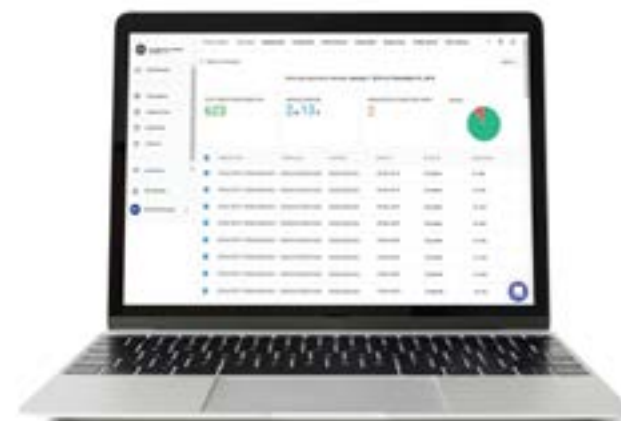


- A GE Industrial Motor consultant will meet with a facility representative to agree on the audit scope and identify any possible roadblocks.
- An audit plan proposal is submitted including timing, resources and deliverables.
- A customized data capture application is generated and reviewed.
- An experienced and specially-trained audit team will be scheduled to visit the site.

Gather Information



- The data gathering crew, escorted by designated plant employees, will collect images, nameplate data, conditions, application, notes, etc. from your installed motor fleet. All of the information will be captured by smart phones and tablets.
- Data will then be uploaded to a cloud server each day for exclusive access by plant users.
- Our audit team of up to 5 people can collect data on 250-500 machines / day based on normal plant operations.



The software can capture data on incoming new replacement motors. There are also lines to collect information on the driven equipment. This will allow the maintenance team to react quickly with new equipment keeping the facility up and running sooner.

Data to Enable Your Team to Operate More Predictively

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Manage Your Assets

At this point, you have several options to start operating more predictively which will bring even more reduced downtime and maintenance costs to your organization.

- Motor Frame Agreement
- Direct Manufacturer Engineering Support
- Software Integration Solutions

Build on Your Success

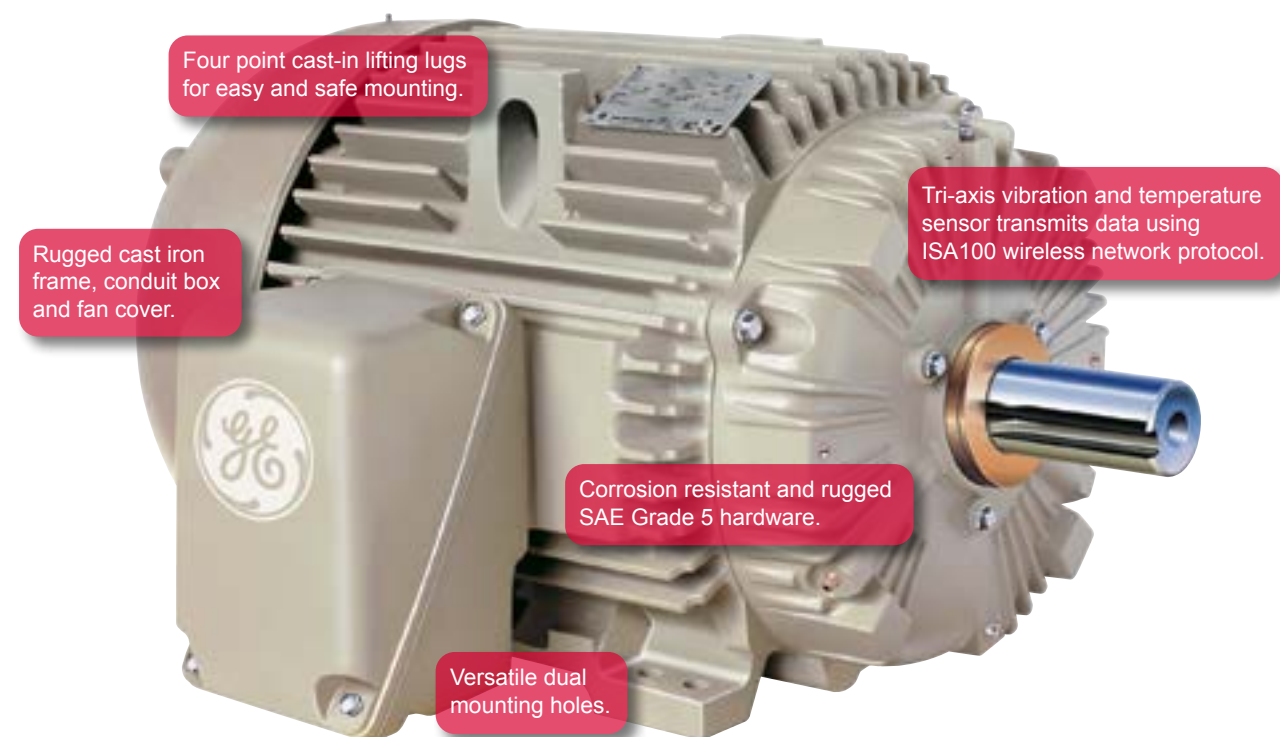
- Measure your maintenance downtime and energy costs. Report the results to your organization.
- Implement a Smart Motor Management System to control your motor fleet going forward.
- Use this project to kick start the development a more proactive operating culture.

Realize Benefits to Your Organization Within a Month!

Timing results may vary based on project scope, maintenance schedules, and other factors. In our Motor Management Program, we offer a wireless Bluetooth sensor that can mount onto any industrial motor and talk to a free mobile application via any mobile phone, tablet, or other devices (Apple, Google, etc.).



Our industry-leading motor can now talk!



Reliability is Built In

Purchasing dependable electric motors is an investment in the reliability of your operations. And system reliability means serious money to your bottom line.

Key Features

All of the great features of the XSD Ultra 841 motor are included plus:

- Pre-mounted external sensor near drive-end bearing
- Tri-axis vibration and temperature detection
- Wireless condition monitoring solution
- Extended warranty and increased efficiencies
- Up to 5 year easily replaceable battery life
- Connect to plant-wide digital management ecosystem

GEGARD® Insulation Offers Added Protection

Our Class H GEGARD insulation system is designed to excel in variable frequency drive applications where lesser designs often short circuit and cause overcurrent trips.



MMP Benefits

We enable your operation and maintenance team to operate more predictively, unlocking more efficiencies and profits.

- Repair or replace based on data rather than rigid policies
- Increase system reliability
- Control your installed base
- Save energy
- Increase preparedness for issues
- Achieve precision state with installation methodology

GE Industrial Motors – i-ALERT® – Monitoring Solution

Sensor | App | Ai Platform

Features & Benefits

Asset Intelligence

Monitor the equipment health of any rotating machine such as pumps, motors, fans, and more.

Stay Safe

A Bluetooth® Smart wireless connection allows monitoring from a safe distance.

Save Time

Quickly scan multiple machines at once and cover more equipment with less resources, freeing time for analysis and troubleshooting.

Easy to Use

Put machine monitoring in the hands of the everyday user.

Early Detection

Unplanned machine failures can cost 10 times more than planned maintenance.

Solve Problems

Advanced vibration diagnostic tools are available to anyone who can use a smart phone or tablet.



Bluetooth Sensors

Monitor tri-axial vibration, temperature, and run-time hours

Mobile App

Monitor your machine right from your phone with the free mobile app

Gateway

Add remote monitoring capabilities by leveraging remote data collection devices

Ai Platform

Monitor all of your SmART-ALERT sensors and machines from a simple web interface



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