Enterprise Asset Management Solutions

Using Mobile Technologies to Maximize EAM Benefits: Reduce Asset Downtime and Improve Productivity

 Enterprise asset management (EAM) is the organized and systematic tracking of an organization's physical assets —its plant, equipment and facilities. The machinery you use to manufacture yourproduct has to be reliable, the electricity must flow, your computers must remain on line, and your delivery trucks must be operational. If just one of these assets breaks down unexpectedly, youroperations may be interrupted —and this can impact your bottom line.

Although most companies have some type of EAM system in place, many rely on low -tech, largely paper-based communications that significantly underutilize the resources dedicated to asset management.Adding a wireless infrastructure plus ruggedized mobile computers to your EAM system allows you to fully utilize your resources and improve the efficiency of personnel as well as the performance ofcritical assets, while reducing operational costs.

Get More from Your EAM System
Two key factors pose a challenge to maintenance organizations seeking to reap the full rewards of their EAM systems (also referred to as computerized maintenance management systems or CMMSs):

1. The need for quality data in the EAM system

2. The need to ease the flow of data throughout the organization

By combining a Symbol handheld mobile computer and the right software, you can replace outmoded manual data entry and paperwork with streamlined electronic processes. This field -proven solutionallows you to:

» Minimize paperwork and data entry

» Improve the quantity, quality and timeliness of EAM information

» Provide information to technicians at the point of performance

How It Works
There are several key aspects to a successful enterprise asset management system: mobile computing hardware, application software and communication infrastructure. Maintenance workers carry rugged,handheld mobile computers equipped with maintenance management applications that easily integrate into dedicated EAM software such as Cetaris, MRO Software, Datastream and Indus, as well as systemsoffered by vendors including Siebel, SAP, Oracle, JD Edwards and Great Plains. Communication with the mobile computers is achieved via wireless local area networks (WLAN) or cradles connected to acompany's LAN —and are synchronized with back-end management information databases.

Maximizing Mobility Raises Productivity
In most enterprises, the reality is that maintenance personnel spend less than 40% of their time on maintenance and repairs. Much of this is spent at a desk performing administrative work. Freeingup these valuable human resources will improve your ability to maintain your organization's physical assets

Specific functional improvements in an automated EAM system can include the ability to:

» Enable technicians to transfer data into the EAM system from the repair/maintenance site

» Minimize paperwork at the desk, maximizing time in the field

» Give workers access to job -specific information at the worksite

» Access previous work history for improved troubleshooting

» Streamline communications between on -the-job workers and their coworkers and supervisors

Enterprise Asset Management Solutions From Symbol
With over 25 years experience in mobile computing and data collection, Symbol is the ideal partner to help you make the most of your EAM system. Automated solutions for data collection from Symbolinclude bar code scanning and image capture devices, mobile and rugged handheld computers and wireless networking technology —all designed to improve key facilities management processes.

The Symbol Technologies solution set for enterprise asset management includes batch and radio -enabled ruggedized handheld computers with 1D or 2D bar code scanning. Symbol handheld computersincluding the , , and can impact your organization by improving a number of key processes.

Activity	Process enhanced by Symbol Handheld
Work Order Generation	Communicate work schedule, task details remotely; enable real -time work order management
Inventory Management	Issue and track supplies and parts as the need arises
Preventative Maintenance	Collect key equipment parameters; scanning equipment verifies that PMs are actually performed
Corrective Maintenance	Real -time assignment of emergency repairs; view repair history at worksite; communicate work status immediately
Inspection	Perform rounds, readings and inspections; record failure codes and comments without data re -entry
Tracking Job Time	Pinpoint worker activity, recording where employee is throughout day by scanning equipment, location, etc.
Traditional Paperwork	Electronic work tickets, inspection forms, chargebacks and more without data re -entry
Asset Audits	Conduct physical counts on computer hardware and other equipment using simple scanning; validate and collect information
Regulatory/QA Compliance	Document more tasks and collect more data to comply with OSHA, ISO9000, 21CFR standards, etc.

The Financial Rewards of Better Asset Management
Incorporating mobile and wireless technologies enables your organization to capitalize on EAM system benefits that cannot be exploited using traditional, manual processes. The most significantbenefits are derived from increased productivity and the ability to collect more and better data, faster. Either directly or indirectly, mobile EAM solutions can lower budgets and enhance corporateearnings. And here's how:

» Costly down -time related to equipment failure can be significantly reduced as a result of gains in productivity which enable more preventative and corrective maintenance, and more

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If any of these apply to your organization, consider enhancing your EAM system with wireless mobile computing:

» You have 50 or more technicians servicing facilities, office equipment, machinery and fleet

» You use paper-based work orders

» Your technicians perform numerous jobs per day and/or complex activities

» Your plant/facility is spread across a large area

» Your workforce has minimal computer skills

» You want more from your EAM or CMMS system

inspections

- » Increased productivity can be used to reduce or eliminate costly overtime and bring previously outsourced maintenance in -house

- » Better tracking uncovers previously "hidden work" and leads to increased billing for maintenance actually performed

- » The life of critical corporate assets can be extended as a result of better preventative maintenance

Enhanced EAM also makes it easier to collect better information on your assets so that your enterprise can plan more effectively for the future.

True End-to-End Mobility Solutions

Because end -to-end mobility solutions go beyond mobile devices, wireless connectivity and software purchases, Symbol Enterprise Mobility Services are available to ensure that every aspect of your mobility solution works seamlessly and at peak efficiency. Between our pre -sale professional services and our post -sale support, Symbol has everything you need to implement an automated EAM system within your organization.

With Symbol you also have access to an extensive, worldwide business partner network that helps integrate Symbol core technologies and solutions such as EAM into your legacy systems. Symbol mobile devices and wireless technologies have been installed at companies around the globe. to find out more about how enterprise asset management solutions can work for you.