



MACHINEIQ™

Works harder so you work smarter

**Designed to save you time and money,
MachineIQ instantly connects you with
the information you need to improve
the bottom line.**

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Works harder so you work smarter



MachineIQ is a cost-effective, easy-to-use, customizable data collection system that can be economically deployed department-, plant- or corporate-wide to identify equipment subcomponents, rebuild timelines and other maintenance issues to reduce downtime. It provides an industrial strength read/write solution designed to survive harsh environments. The system easily allows the exchange of information quickly around the world to improve efficiency and productivity across the entire company.

Serving Industry at Large

This advanced hardware/software solution is an innovative tool that seamlessly provides data transfer, mobility and robustness that each company and department can use for its unique needs. These industries are already catching on to the benefits of MachineIQ:

- Mining
- Construction
- Transportation
- Marine
- Oil and gas
- Pipeline integrity
- Pulp and paper
- Food and beverage
- Manufacturing
- Facilities management
- Government
- Materials handling
- Health care
- Power generation
- Rubber/Plastic
- Textiles
- Chemicals
- Pharmaceutical
- Agriculture

Information at your Fingertips

Your data demands tough technology. Allowing for optimum flexibility and usability, the MachineIQ stainless steel tag and rugged readers provide a vast array of data input fields. Each device has a unique identifying number (to help ensure proper plant procedures are carried out) and is attached to the equipment.

The tag records a time and date stamp on every touch to ensure accountability. Encode everything you need at the tagged location, from alpha/numeric information to write-protected/encrypted data. This durable device even links paths to critical information stored as external files, such as equipment drawings, procedures or products.

Its rugged construction allows for any application imaginable, and yet it can store tremendous amounts of data.

- Plan and track – preventive maintenance
- Asset tracking and management
- Reduce downtime
- Lower operating costs
- Increase productivity
- Inspection accountability
- Real-time supply chain and field inventory updates
- Ensure data integrity
- Increase warranty redemption revenue
- Reduce manual data processing
- Automate management reports
- Automate notifications

Designed to Survive

MachineIQ utilizes stainless-steel metal covered data chips that are easy to install, reusable and withstand extreme environments. This system works with any Windows-based computer, laptop, rugged handheld or mobile device. When connected by USB or a 9-pin serial cable, each computer reads, writes and stores critical data to and from each MachineIQ tag.

The tag is placed on a key piece of equipment and critical information is accessed by touching a reader to the tag, which can be as small as a PDA or as powerful as a ruggedized laptop. Each tag is readable/writable and capable of storing and transmitting tremendous amounts of data from part numbers and OEM contact information to lubrication intervals to critical alarm conditions.





Getting to Know your Machine

The MachineIQ Solution makes it easy for anyone to understand the machine and its specific needs.

Equipment Location

Users will know where all of their equipment is located at any given time. Location, date, time and condition are some known parameters.

Warranty Tracking

Most companies sufficiently track pieces of large equipment. However, they don't adequately track warranty information to manage subcomponents like pumps, motors, valves, batteries and hoses that fail within warranty periods. As a result, companies lose substantial sums on warranty recoveries.

Maintenance and Rebuild History

By touching a tag on an asset such as a pump, motor or valve the user can obtain the history of components that have been rebuilt. At any given time, a MachineIQ user will be able to access the most recent status of a repaired part.

Instant Part Information

In addition to saving hard dollars through warranty tracking, the solution saves employees valuable time, ranging from 15 to 30 minutes per touch on the tags. As the data is available to employees instantly at the point of use, MachineIQ eliminates the need for a traditional file cabinet system or a centralized database system.

Comment Fields

Because the tag can store over 4,000 different pieces of separate data, there are fields available to be further customized. Comment fields are then used to store or update any other data such as quantities, dates, locations and maintenance that may be useful to a technician.

Documents in the Field

A link to AutoCAD, Adobe, Excel or Word files can be created in one of the tag fields that will open up lists, forms, manuals or diagrams of the asset at the point of use in the field.

Contact Al Triggs to Schedule Your Free Online Demo at 800-597-5460 or 918-749-1400, ext. 114 or atriggs@noria.com.



Securely access custom reports online from anywhere in the world.



Pull-down menus and date fields increase accuracy and efficiency.



Critical equipment specific information at your fingertips.

Heavy-duty Intelligence

The MachineIQ solution is used to track scheduled service and maintenance inspections. Information on who, what, where, when and why is collected electronically, reducing manpower requirements and improving inspection validity.

Customized Reporting

Whether your operation is manufacturing, industrial, or anything in between, data is critical to success. That's why MachineIQ offers instant, web-based access to customized reporting solutions. Built around your business, MachineIQ reports provide streamlined data processing and total access to the entire organization. You can connect to the data around the corner or around the world.

Data Hosting

Safe, secure, efficient – MachineIQ data hosting services give you freedom of reduced overhead, equipment, software, staffing training and space. Our team consists of highly-trained database administrators, application developers and systems support personnel with years of experience in data hosting. Rest assured that MachineIQ data hosting services will support your data collection, maintenance and reporting needs, all while providing accurate, total data access throughout your organization.

Cost Savings and ROI

Experience cost savings in the following areas; reclaimed warranty dollars, and increased employee productivity, with less down time. Since the install date and warranty period are known at the point of use, a failing part allows a technician to tell if it is under warranty. In the past, a technician would just discard the broken part and replace it with a new one.

Asset Tracking

Instant access to critical data at the point of use is a critical business driver. Parts and subcomponents need to be readily identified at the point of use without having to return to the warehouse computer to identify important and necessary information about the part or subcomponent.

Increase Efficiency

Obtain the capability to track the history of components that have been rebuilt. MachineIQ users know the most recent status of a repaired part or the number of times it has been rebuilt. Trending analysis can be achieved by seeing components that are constantly in repair and either replace them or repair them to increase efficiency.

Increase

Employee Productivity

Technicians save 15 to 30 minutes every time a tag is touched. This is based on having information out in the field versus a manual look up in a file cabinet or software system.

Improved Data Entry

Manually entered data creates the potential for human error due to poor handwriting, improperly populated data fields, or data recorded in the wrong field. Eliminate the amount of time it takes to manually input data and automatically document the paper process.

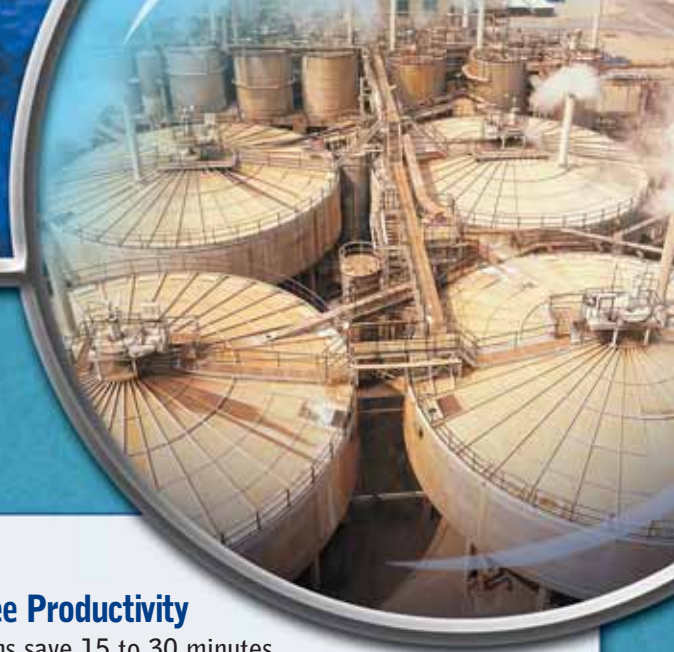
Deployment

Solution implementation is simple. Data from existing databases can be imported into the MachineIQ software which is used to program the tags. Software installation is typically less than 30 minutes per computer.

MachineIQ can operate as a stand-alone solution, and can also interface with other software systems. The standard MachineIQ solution creates xml files that are used for integration into existing CMMS or ERP software solutions.

Instead of training someone for weeks on how to use an enterprise system they can be trained in minutes to read and write data to and from a tag. The software is user friendly and easy to learn. Simply touch the tag to obtain the data you need, then, touch "READ" on the computer screen and the tag's data is instantly displayed. Other data collection solutions use relational databases that require multiple screens and function keys to access data based on an ID number only.

“By touching a tag on an asset such as a pump, motor or valve the user can obtain the history of components that have been rebuilt.”





Benefits of MachineIQ

- All the information you need at your fingertips. Simply plug in your computer and all the information is readily accessible.
- Each MachineIQ tag has a unique identifiable number that cannot be duplicated or changed. This ensures that the information is accurate, manageable and cannot be falsified.
- Have components or equipment that's been placed in a harsh environment? The MachineIQ tag can be placed up to 1,000 ft. away (by using a wire connector and capsule to protect the tag) in case you need to access equipment or components in the ground, under water, etc.
- Trend and analyze important information with the touch of a button.
- Create consistent nomenclature for the system to improve the data collection process.
- Reduce costs, warranty claims, and downtime while improving productivity and efficiency.
- Seamlessly integrates with lubrication management systems; including Noria's Lubrication Process Management.

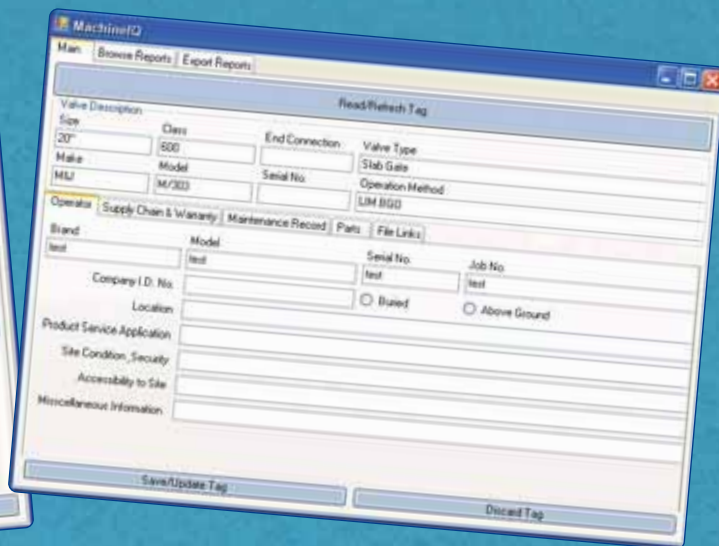
Leading the Industry

The MachineIQ system has proven to withstand harsh environments and puts the power of automated tracking and inspection in the palm of the hand. It instantly connects customers with the information they need in the field to keep their business, and bottom line, up and running, even in the most extreme conditions.

Whether around the corner or around the world, MachineIQ's automated data collection, hosting and reporting solutions instantly connect you with the information you need to minimize downtime and maximize profitability. Work smarter with the intelligence of Noria Knowledge Logistix's MachineIQ.

About Knowledge Logistix

Knowledge Logistix is a division of Noria Corporation offering innovative solutions to seamlessly accessing your corporate know-how corporate wide.



“Work smarter with Noria Knowledge Logistix’s MachineIQ front end automated data collection, hosting and reporting solutions.”

Noria Reliability Solutions

Training Solutions

Noria sets the world standard for industrial training related to equipment reliability. We offer standard two- and three-day public seminars and on-site courses designed to meet your specific needs, in the following areas:

- Reliability
- Maintainability
- Machinery Lubrication
- Oil Analysis
- Contamination Control
- Mobile Equipment Lubrication

Audience

Our training is targeted to meet the educational needs of executives, managers, engineers, technicians, craftspeople and operators, with course materials and length designed to cover the information vital to each employee demographic.

Customization

On-site seminars can be customized to meet your needs or to target a specific audience.

Certification

Certification is an important part of one's career because it confirms you possess the skills to do the job.

Many of Noria's courses help attendees prepare for MLT, MLA and LLA certification available through the International Council for Machinery Lubrication (ICML). For information, go to www.lubecouncil.org or call 918-259-2950.

The Certified Maintenance and Reliability Professional exam (CMRP) is often held in conjunction with the Lean Plant Reliability Advantage events. The CMRP is ANSI accredited and exclusively offered by the Society for Maintenance & Reliability Professionals (SMRP). For information, go to www.smrp.org.

By policy, neither ICML nor SMRP endorse training events as preparation for their respective examinations.

eLearning

Online training is your fast track to implementing Noria's proven strategies for extending machine and lubricant life. Real-time courses are offered at your location through a broadcasted live instructor or recorded for you to view at your convenience with accessibility 24 hours a day.

Educational Toolkit

Noria has developed world-class tools and techniques utilizing technology to save you time and money. Don't reinvent the wheel to reach best practice lubrication excellence. Instead, work efficiently by accessing our Web portal to draw upon our experts and library of more than 30,000 books, technical documents, procedures, work plans and much more!

General Consulting Solutions

Noria's leading technical team can help with your general consulting needs from lubricant specification, routine oil analysis diagnostics or other lubrication-related issues. Let Noria help you with Industry Trend Studies, Develop Best Practices Standards and Specifications, Lubricant Testing Analysis, Market Strategy Development, Library Search Services and more.

Forensic Solutions

Noria experts can help solve your failure investigation dilemma. Our dedicated team has decades of cumulative experience in lubricant physical and chemical analysis, Tribology, lubricant application and selection, and contaminant exclusion for a wide range of applications.

Executive Solutions

When do you want reliability to quit delivering value for your organization? Never according to Drew Troyer, President and CEO of Noria Corporation. He believes you need a process not a program for reliability. That's why he developed The Lean Plant Reliability Transformation™.

Noria can help you unlock your potential by guiding you through a revolutionary process to develop a holistic strategic plan driven by creating financial returns.

Keynote Address and other Speaking Opportunities

Our commitment to providing industry with the highest-quality learning forum has made Noria one of the most world-renowned organizations specializing in equipment reliability. Because we hire achievement-orientated professionals, our trainers are at the top of their profession and highly sought after consultants. Our expert trainers are always prepared to add additional value and depth to your next corporate meeting with an energizing keynote presentation designed just for your group. Contact Stacey McCauley at 662-890-9392 to schedule one of our presenters to Keynote your next meeting or conference.

For more information on any of Noria Services, contact:

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