



BROCHURE

Industry 4.0 and asset maintenance

Industry 4.0

Combine EAM, APM, and PLM into a comprehensive and integrated use case for asset maintenance

Today's market pressures call for organizations to increasingly control costs, eliminate waste, and conserve resources at unprecedented levels. For many organizations, asset maintenance processes are due for a top-to-bottom transformation. Not only do assets typically represent a major capital investment for organizations, but keeping these assets operational also requires investment in parts, supplies, highly skilled technicians, and a strategy that maps the asset lifecycle.

Which is why Infor's Industry 4.0 asset maintenance solutions focus on intelligently connecting people, processes, and things. Integrating directly with your core ERP system, our cloud-based solutions provide valuable visibility for key stakeholders—overlying shop floor processes, field operations, field service, and data integration. Key stakeholders gain access to the information they need to improve production efficiency, avoid downtime, and execute top-level strategic planning.

Infor's Industry 4.0 strategy is about digital transformation and results-based strategies. The solutions provide advanced automation, streamlined processes, and data insights. Our solutions are scalable, easy to use, and help break down silos. They enable full end-to-end visibility that ensures that every department is working with the same data points and the same objectives.

Work with a true Industry 4.0 partner

Infor's industry-specific software, advanced capabilities, modern architecture, Implementation Accelerators, and partner networks are designed to deliver end-to-end solutions and high-impact results. Our innovative and agile solutions, with deep industry expertise, allow us to configure your software to meet your unique objectives, whether it's connecting the supply chain, managing the shop floor, or maintaining a fleet of delivery vehicles. Our solutions can be a strategic differentiator for your organization, allowing you to pursue innovative ideas, game-changing business models, and unique services that build loyalty among your customers.

Leverage our maintenance industry expertise

Infor's 30+ years of experience in enterprise asset management (EAM), advanced plant management (APM), and product lifecycle management (PLM), combine to form a highly mature use case for organizations at the later stages in the typical maintenance maturity model. This asset use case leverages the strengths of these solutions and applies Industry 4.0 capabilities that deliver high-impact results, including:

Visibility—The asset use case provides a single, unified platform with a command center interface for managing the health, criticality, financial, and operational performance of assets. A graphical view gives you at-a-glance confidence that assets are performing as planned, while also identifying any situations that require immediate attention.

Intelligence—Predictive analytics, driven by artificial intelligence and machine learning, monitor demand and available resources. The asset use case can prescribe which assets should be scheduled for best efficiency. Multiple factors, such as weather, traffic trends, and asset reliability are all considered during analysis.

Automation—The same type of predictive abilities can also forecast when preventive maintenance should be performed and predict when an asset will reach the end of its useful life. Sensors embedded into assets can collect and monitor condition-based data, such as temperature or moisture—looking for anomalies and early warning signs of asset failure. This data can automatically trigger interventions, such as dispatching a technician or rerouting jobs/traffic to other assets until the situation is resolved.

Improve operations

Managing asset lifecycles poorly can result in unexpected downtime and additional expenses. It can severely impact operations, customer satisfaction, and safety. Applying Industry 4.0 strategies to asset maintenance processes, however, can help overcome these challenges. Infor's Industry 4.0 asset maintenance solutions can make a significant impact in multiple operational areas that allow you to improve operations and enhance the customer experience, including:

- **Tools**, such as automation and data analysis, help the workforce perform efficiently and better meet customer expectations
- Streamlined **processes** enable greater productivity by adopting best practices and eliminating silos
- **Asset lifecycles** can be extended by monitoring asset and equipment performance and applying preventive-maintenance practices
- Enhanced support for **business offerings**, such as products and services, offers greater collaboration, innovation, and insight into customer preferences

Insight—The asset use case provides a single version of the truth, so business users throughout the organization can be confident in their use of data and their ability to make well-informed decisions.

Gain operational advantages

Our Internet 4.0 technologies provide numerous operational advantages, including:

Rely on a comprehensive **asset catalog** to help organize and optimize capital assets. By tracking details of each asset, you can make decisions that maximize your investment, extend asset lifespans, and optimize maintenance of assets (and their components). With the aid of the solution's prescriptive and predictive analytics, you'll remove the guesswork from planning budgets.

Manage a **fleet** of vehicles, such as delivery trucks, fire engines, or city buses. Optimize operational performance, run times, and service schedules through prescriptive and predictive analytics. With accurate planning, you won't have to tie up cash with unneeded parts or replacement machinery in inventory.

Apply **Internet of Things** (IoT) data blending, localization, and conditional alerting for sensor-enabled machines and equipment. Track data about performance and utilization; analyze data for key factors, historical trends, and operational insights (such as which shifts have more machinery failures, or which vehicles consume excessive fuel in cold weather). By using IoT to collect performance data from assets in remote, dangerous, or extreme conditions, technicians won't have to be dispatched unless the situations outweigh the risks.

Leverage **dynamic maps** that allow for layering of geospatial data elements within maps (with street views also available). This enhances tracking assets in the field or in transit, and can speed up the dispatching of emergency vehicles or locating appropriate field technicians that are closest to a service request.



Manage the health, criticality, financial, and operational performance of your assets.

Turn asset management into a differentiator

By leveraging our asset use case along with other Industry 4.0 technologies, you can transform asset lifecycle planning and maintenance from a cost center with high risk and volatility into a business unit that's highly efficient and reliable. You can also enhance service offerings to customers, improve workplace conditions for your teams, and spend less on parts and replacements. By intelligently using data and Industry 4.0 technology, you can make asset management a key part of your strategy for the future.

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