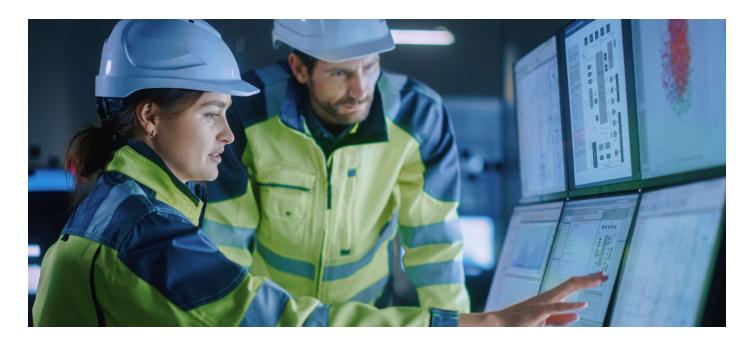# Transform asset reliability with AI-powered predictive maintenance

Scale predictive maintenance strategies across your energy and resource operations to increase equipment uptime, reduce costs, and enhance safety performance

Benefits

- Reduce annual downtime losses, which averages $253M for large plants[1]
- Increase equipment uptime by 10-20% through prediction[2]
- Cut overall maintenance costs by 5-10% with AI analytics[3]
- Leverage industrial IoT market, which is growing to $137B by 2030[4]

1 Siemens, *The True Cost of Downtime 2024*, 2024

2 Deloitte, *Predictive Maintenance and the smart factory*, 2022

3 Deloitte, *Predictive Maintenance*, 2017

4 Global Market Insights, *IoT in Manufacturing Market Size*, 2023

With global demand for energy and essential resources projected to reach record levels, companies across utilities, oil and gas, chemicals, and metals and mining face unprecedented pressure to maximize asset reliability while minimizing operational costs. As capital investment in facilities grows and infrastructure ages, the ratio of fixed assets to maintenance personnel continues to increase, requiring advanced maintenance strategies to maximize productivity of both equipment and workforce.

Exchange equipment data securely across organizational boundaries

Predictive maintenance specialization requires seamless collaboration between asset operators and strategic vendors. A unified platform connects people, systems, and things to securely exchange sensor data across organizational boundaries. This digital backbone enables equipment manufacturers to remotely monitor performance patterns, identify potential failures, and facilitate timely procurement of spare parts and services—all while protecting sensitive operational data.

Deploy advanced analytics to anticipate equipment failure

AI and machine learning platforms transform maintenance by analyzing historical and real-time data at both equipment and facility levels. By examining operational information, maintenance histories, and component failure rates, these systems predict when equipment failures are likely to occur. This intelligence allows maintenance teams to address issues before they cause costly downtime or safety incidents, increasing uptime by 10 to 20 percent while reducing maintenance costs by 5 to 10 percent.[1]

Access critical knowledge instantly with intelligent assistants

When facility teams encounter equipment issues, they need immediate access to relevant information. Intelligent digital assistants provide natural interaction to quickly retrieve engineering drawings, technical manuals, safety protocols, and step-by-step guides. By replacing time-consuming document searches with simple questions, technicians receive trusted responses with validation links—dramatically improving maintenance efficiency and safety outcomes.

Ensure secure information access for all maintenance stakeholders

Effective maintenance often requires third-party contractors conducting repairs or service activities. Identity and access management assigns digital identities to both internal and external users, ensuring they have precisely the right level of access to necessary information and applications. This role-based security framework maintains information integrity while enabling efficient collaboration across the maintenance ecosystem.

Why OpenText?

OpenText powers and protects information to give energy and resource organizations the advantage they need to accelerate predictive maintenance. Serving 24 of the top 25 companies by market cap in the sector, we understand the complex information challenges that predictive maintenance presents. Our solutions connect knowledge with action to help you transform maintenance strategies, increase reliability, reduce costs, and enhance safety—delivering the operational excellence needed in today's race for energy and essential commodities.

1 Deloitte, Predictive Maintenance and the smart factory, 2022

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