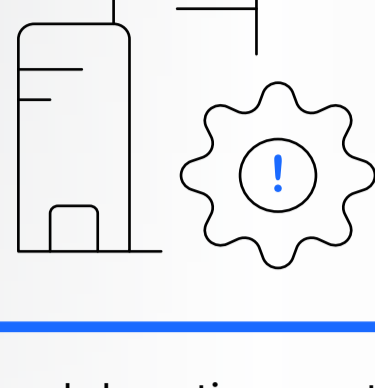
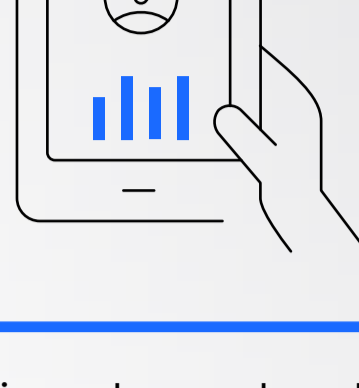


Not your traditional predictive maintenance

Smarter, faster, intelligent: Built for today's industrial demands



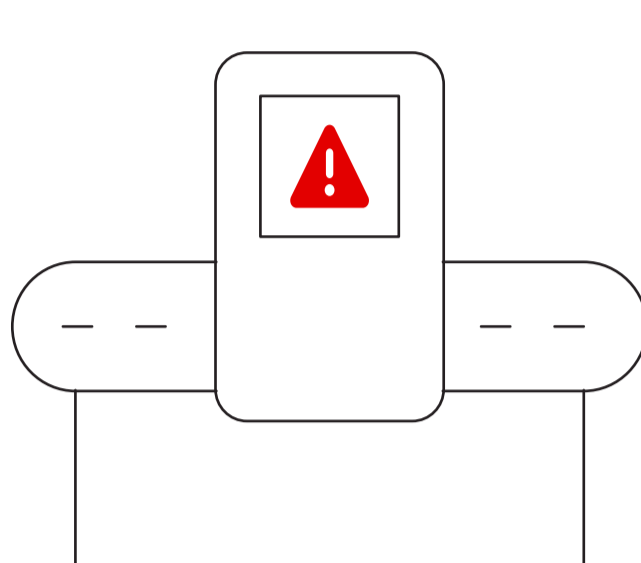
Unplanned downtime costs industrial companies more than **\$50 billion** each year.¹ But with intelligent predictive maintenance, that risk becomes a strategic advantage.



By using advanced analytics and AI, organizations can reduce costs, increase uptime, support sustainability goals—and unlock up to **10X ROI** through smarter, data-driven maintenance.²

The cost of staying reactive

Reactive maintenance isn't just outdated—it's expensive.



- Unplanned downtime = **\$50B+** in annual losses³
- Emergency repairs disrupt operations and drain resources
- Legacy infrastructure strains already-tight budgets
- Greater risk of catastrophic failure and shortened asset lifespan

What makes predictive maintenance intelligent?

Modern operations need more than basic predictive alerts. Intelligent predictive maintenance:

Uses **real-time sensor data + historical records**.

Adds **AI and machine learning** to spot early failure patterns.

Automates responses—not just alerts—to prevent breakdowns.

Key benefits

- Reduced downtime**
Cut downtime by **35 to 50 percent**.⁴
- Lower maintenance costs**
Reduce costs by **18 to 25 percent**.⁵
- Extended asset lifespan**
Extend equipment lifecycles by **20 to 30 percent**.⁶
- Optimized resources**
Reduce labor and inspection costs by **15 to 20 percent**.⁷
- Higher reliability**
Achieve uptime and reliability improvements of **up to 30 percent**.
- Clear ROI**
Delivers a **10X return on investment**.⁸

The foundation: Key technological elements

Intelligent predictive maintenance requires a robust infrastructure, including:

A **purpose-built analytics database** for ultra-fast processing of petabyte-scale data.

Ability to gather **real-time data from IoT devices** and merge with historical records.

Advanced analytics and machine learning to detect patterns and predict failures.

Easily accessible insights via data visualization and BI.

High concurrency for collaborative decision-making.

Real-time processing to enable immediate action.

Beyond operational efficiency

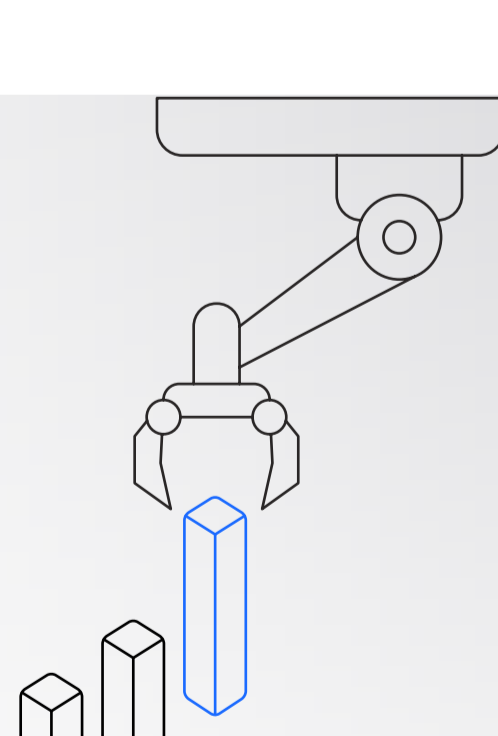
Supports sustainability goals by reducing waste, minimizing energy consumption, and extending equipment lifespans.

Contributes to a greener future and helps achieve regulatory compliance.

The future of maintenance

Intelligent predictive maintenance is about driving **excellence and innovation** across the entire organization.

The market is growing, expected to reach **\$32.30 billion**, at a **CAGR of 27.4% from 2024 to 2030**.⁹



More than maintenance

The rewards far outweigh the costs. Future-proof your operations.

Download the full guide

1 Gartner, *Top 10 Strategic Technology Trends, 2023*
 2 ibid
 3 Forbes, *Unplanned Downtime Costs More Than You Think, 2022*
 4 Nucleus Research, *Quantifying the value of predictive maintenance, 2023*
 5 The Agility Effect, *How predictive maintenance cuts costs*
 6 Faster Capital, *Useful Life: Extending Useful Life: Getting the Most Out of Your Fixed Assets, 2024*
 7 Medium, *AI in Manufacturing: Enhancing Efficiency and Innovation, 2024*
 8 Gartner, *Top 10 Strategic Technology Trends, 2023*
 9 Next MSC, *Predictive Maintenance Market, 2025*