

PREVENT DOWNTIME.  
PROTECT ASSETS.  
PROPEL EFFICIENCY.



**PREDICTIVE MAINTENANCE**

## Technology Overview

Our Predictive Maintenance platforms fuse IIoT sensors, intelligent diagnostics, and scalable engineering to anticipate failures before they happen. We empower organizations to safeguard uptime, optimize maintenance planning, and cut costs—without compromising operational performance.

## Key Features



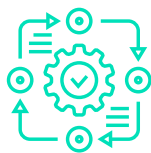
**IIoT-Enabled  
Condition Monitoring**



**AI-Powered Failure  
Prediction & Alerts**



**Historical Pattern  
Recognition**








**Asset Lifecycle  
Management &  
Optimization**







**Cloud-Based  
Dashboards with  
Edge Analytics**

## Performance Impact

Metric	Result Delivered
 Asset Uptime	Up to 50% reduction in unplanned downtime
 Maintenance Planning	30–60% boost in scheduling efficiency
 Resource Allocation	Smarter usage of parts, tools, and personnel
 Operational Safety	40% reduction in incident-based disruptions
 Maintenance Costs	Up to 25% savings in total spend

## Approach-to-Impact

Approach	Outcome
 Sensor-Based Predictive Models	Early detection of failure risks
 AI-Driven Condition Analysis	Optimized resource deployment
 ERP & Control System Integration	Streamlined planning and decision support
 Scalable Cloud & Edge Architecture	Flexibility across facilities and departments

## Sector Applications



### Automotive

EV component monitoring, powertrain diagnostics



### Aerospace & Defense

Fleet health, mission-critical system reliability



### Manufacturing

Machinery lifecycle analysis and uptime optimization



### Academia

Research equipment availability and lab continuity

# Why SAAB RDS



**Expert** in fusing industrial logic with smart analytics



**Trusted impact** across mission-critical asset environments



**Scalable platforms** built for real-world deployment and ROI

**Don't Wait for Downtime—Stay Ahead.**

Explore performance case studies.



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