Proente-ProwMES
Proactive Web-based Manufacturing Execution System

Manufacturing industry needs to make use of big data and AI
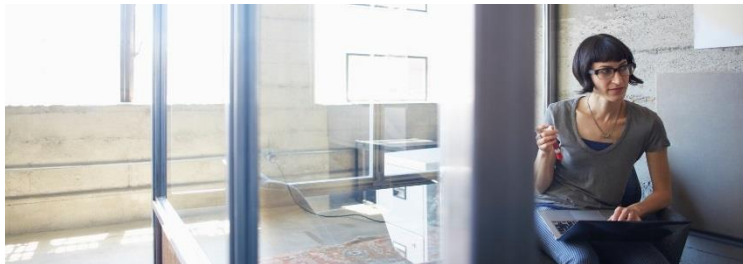
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Challenges

"You can't improve what you can't measure"

Factories can't track and fix downtime, performance and quality issues.

"You can't prevent what you can't predict"

Factories solve machine breakdowns and quality issues reactively, costing too much resources.

Machine downtime, performance and quality issues cause factories to actualize only 50-70% of their production potential.

Ideal Solution

An ROI+ product that monitors all aspects of production, enabling managers to control and improve factory shop floor.

An AI-powered product that makes use of data and predicts the flaws in the production process, enabling managers to take actions proactively.

Monitoring factories from anytime at anywhere

Quick and easy installation

Small or no initial investment with quick returns

Desired Outcomes

Min. 10% efficiency increase in the 1st year due to objective tracking

Predicting machine break-downs, reducing maintenance costs and reduce planning uncertainties

Informing management about what is exactly happening in the factory

Objective tracking of production in real time

Improving yield and increasing profitability

Reducing uncertainties and easing planning

Proente - ProwMES

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ProwMES is an AI-powered Manufacturing Execution System that monitors, predicts and reports production problems

Manufacturing Execution System

Track and improve production

- Monitoring machines, products and operators in real-time
- Smart reporting of historical and stream data

Predictive Quality

Act proactively and prevent quality issues

- Predicting & preventing flawed production with real-time tracking, predictive alerts, and root cause analysis

Predictive Maintenance

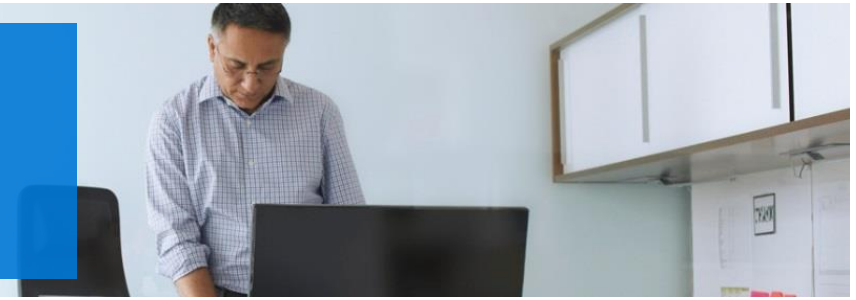**Plan maintenance at just the right time**

- Estimating remaining useful life of equipments and enabling maintenance at the right exact time.

We improved overall equipment efficiency by 10% using ProwMES. We believe we will reach 15% until the end of the year.

– Ünal ACAR, Betek Boya ve Kimya Sanayi A.Ş.

Proente – ProwMES + Microsoft Azure

ProwMES deployed on Azure allows customers to take advantage of Azure services and frees them from the need of laying any infrastructure

Product Alignment

Cloud-based system

ProwMES is Plug&Play and can be used from anywhere at anytime with any device as it is powered by Microsoft Azure services

Scale whenever you want

Start small and scale up by taking advantage of Azure's capabilities

Make use of Azure services

Deploying on Azure allows customeres to utilize Stream analytics, PowerBI, and many other Microsoft Azure services

Customer Success Story

ABB

Installing ProwMES on our assembly line, enabled us to follow our production processes in real-time, and allowed us to provide effective solutions to production issues with the reports and data provided by the system. We achieved an efficiency increase of approximately 10% in a short period of time.

- Yasin Yılmaz, Production Supervisor

Win Results

Within 3 months, ABB improved overall equipment efficiency by 10%, reducing costs and increasing production yield.

ABB was able to track all aspects of production, not only improving efficiency but also realizing what works best among machinery

Employee activity tracking allowed by the ProwMES, helped monitor more transparently and evaluate performance accurately by the management, leading to employee and stakeholder satisfaction