

Background

Predictive maintenance can help manufacturers to avoid costly critical failure.

RAMEN solution is aimed to:

- improve customers' OEE between 5% and 20%
- reduce MTTR by 10%-20%
- increase MTBF by 20%-30%
- reduce TCM by 15%-25%
- extend component life by 10%-15%

RAMEN BENEFITS:

- Flexible, resilient and scalable platform with unique ease-of-use and applicability to many different use cases.
- Bridging the gaps between the shop floor operators, data science and engineering.
- Lower the entry barrier for companies including SMEs to apply predictive maintenance solutions with its containerized micro-service approach.

RAMEN Platform

RAMEN is an EIT-Manufacturing project, aims to bring a new software solution for condition monitoring and predictive analytics to the market.

The focus relies on a systematic approach, combining the relevant AI algorithms, concepts, and specific solution into an industrial ecosystem.

Through combination of intuitive visual programming component for machine learning, analytics and prediction with the Augmented Reality, RAMEN will make predictive maintenance intuitive and easy to understand

for different

processes.

stakeholders in

the manufacturing



Key Features

PREDICTIVE MAINTENANCE

The Predictive Maintenance component will encompass the entire data value chain from:

- data acquisition condition monitoring
- predictive maintenance.

It will contain an intuitive calculation flow designer with an extensible library of algorithms and AI methods.

ADVANCED AR/VR VISUALIZATION

The Advance Visualization component will provide:

- a user-friendly interface
- support near real-time data streaming asset
- backspace visualization
- superimposing maintenance-related information
- predictive analytics.

CONSORTIUM











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Resilient Industrial Platform for Advanced Visualization of Predictive Maintenance

Industrial solution for condition monitoring and predictive analytics

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