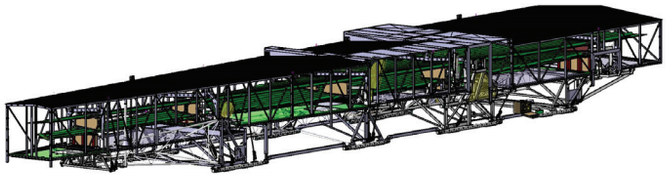
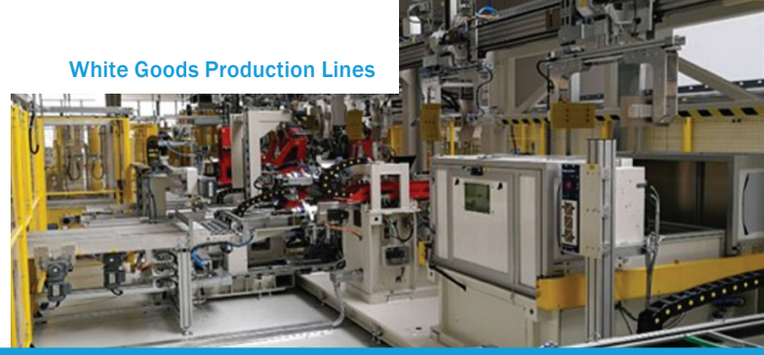
Cold Rolling Mill Lines

Wing Upper Cover Transportation Jig



White Goods Production Lines



Background

Traditional maintenance approaches are often under-optimized, whereas improvements in maintenance productivity can:

- Enable 10 to 20% savings on overall maintenance costs
- Improve Overall Equipment Effectiveness (OEE)

Innovative technologies such as Internet of Things (IoT) or Analytics Capabilities offer opportunities to monitor and predict the condition of assets.

However, manufacturers are faced with barriers to reach these opportunities:

- Difficulties of deployment
- Lack of standardization
- Lack of suitable competencies

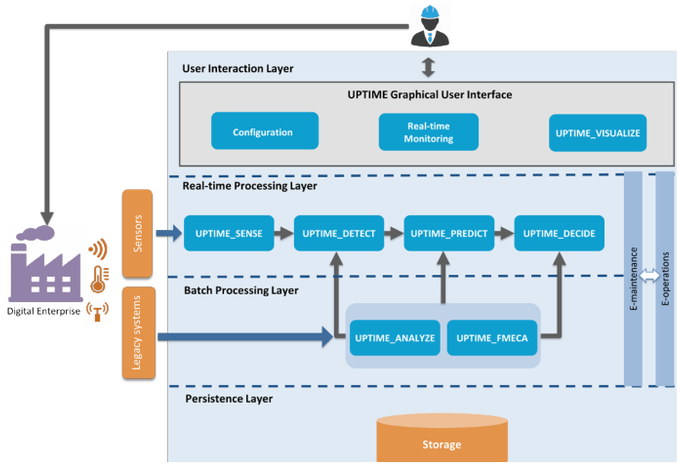
Current predictive maintenance solutions only offer analytics capabilities to predict failures and estimate the remaining lifetime of assets. Operators have to use their own experience to:

- Make decisions of what maintenance actions to implement
- Balance between multiple variables to decide when to implement them in the planning

UPTIME Platform

The UPTIME Platform enables manufacturing companies to fully exploit real-time and historical data. It takes assisted decision-making to the next level by presenting maintenance scenarios with the optimal maintenance actions to implement at the optimal time. The operators are then able to mitigate risks, minimize maintenance costs and improve OEE.

THE UPTIME PLATFORM CONCEPTUAL ARCHITECTURE



BENEFITS

+ Reduced downtime
+ Minimized costs
+ Increased asset lifecycle
+ Optimized maintenance plans
+ Visualization of asset performance
+ Reduced implementation costs

Key Features

SENSE

Data aggregation from heterogeneous sources
Configurable diagnosis capabilities on the edge

DETECT

Intelligent diagnosis to provide a reliable interpretation of the asset's health

PREDICT

Advanced prognostic capabilities, using generic or tailored algorithms

ANALYZE

Analysis of maintenance-related data from legacy and operational systems

FMECA

Estimation of possible failure modes and risk criticalities evolution

DECIDE

Continuously improved recommendations based on historical data and real-time prognostic results

VISUALIZE

Configurable visualization to facilitate data analysis and decision making

UPTIME Partner Programme

Become a partner, and we will provide you with information, use case analyses and assistance with the implementation of the UPTIME Platform with proven benefits based on real industrial use cases.

Software is provided free of charge.
Join the UPTIME community!
community@uptime-h2020.eu

Further information
about the UPTIME Partner Programme
can be found on our website:

www.uptime-h2020.eu

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UPTIME

FUTURE MAINTENANCE, NOW

A fully versatile and interoperable unified predictive maintenance platform for industrial and manufacturing assets from sensor data collection to optimal maintenance action implementation

Make your maintenance predictive, smart and connected

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