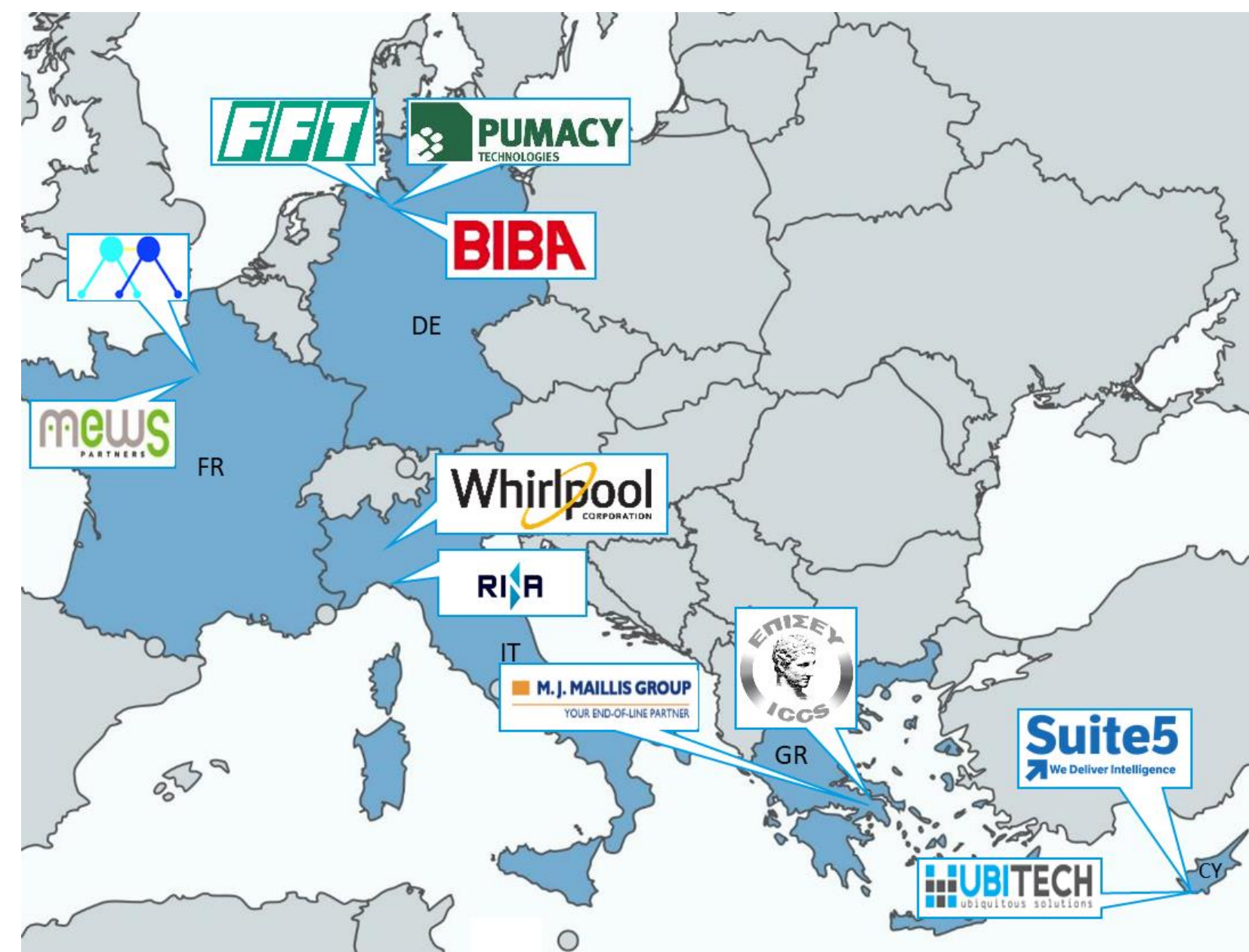# UPTIME
FUTURE MAINTENANCE, NOW

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

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.

UPTIME concentrates the recent results of research laboratories, the know-how of industrial maintenance experts and of information technology scientists.

- Duration: 36 months
- Start date: 01.09.2017
- Project cost: 6,248,367.50€
- Participants : 11

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 based on measured physical parameters
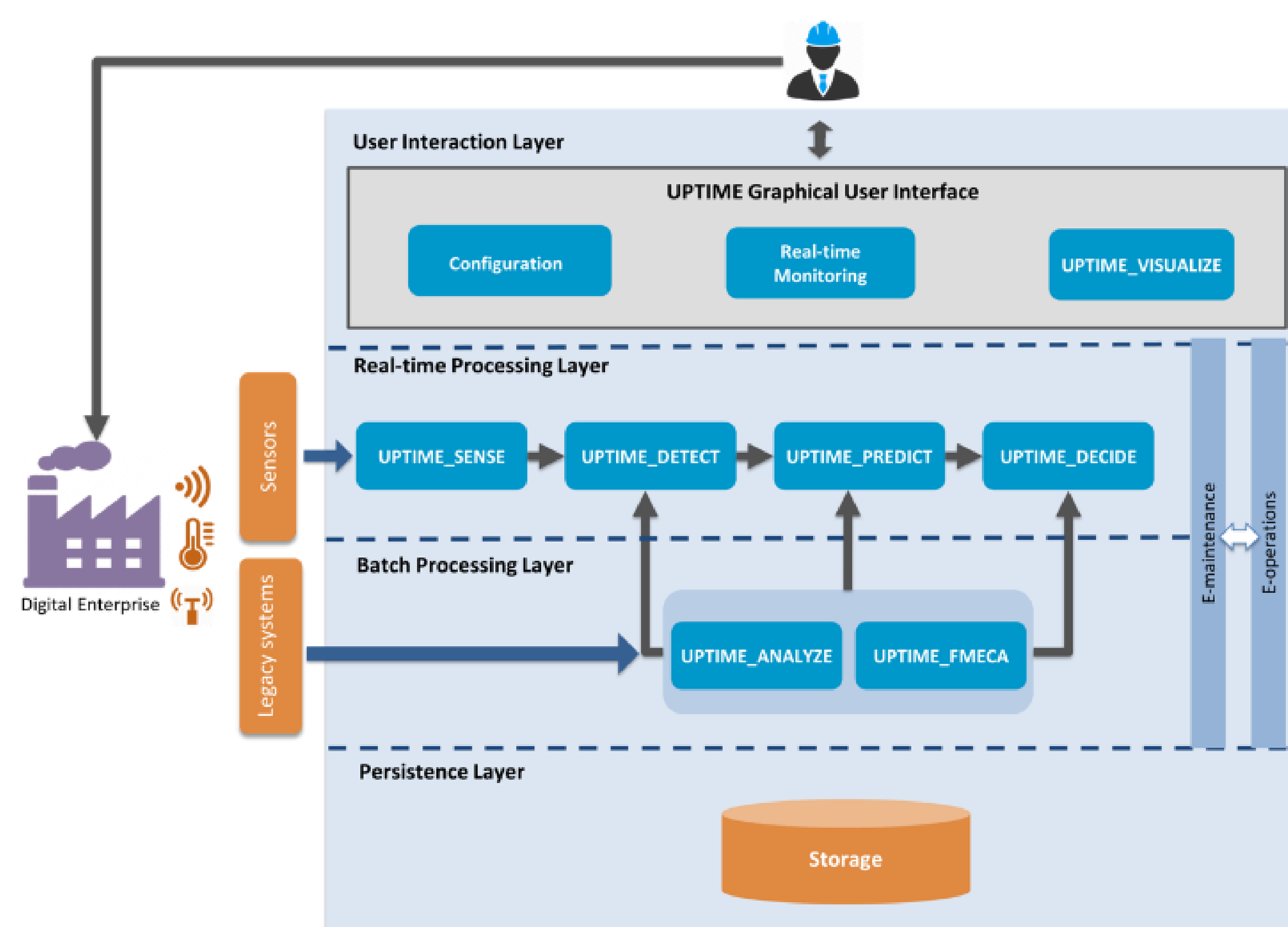
VISUALIZE
Configurable visualization to facilitate data analysis and decision making

DECIDE
Continuously improved recommendations of optimal maintenance actions and optimal time of implementation based on historical data and real-time prognostic results

CONCEPTUAL ARCHITECTURE

BENEFITS

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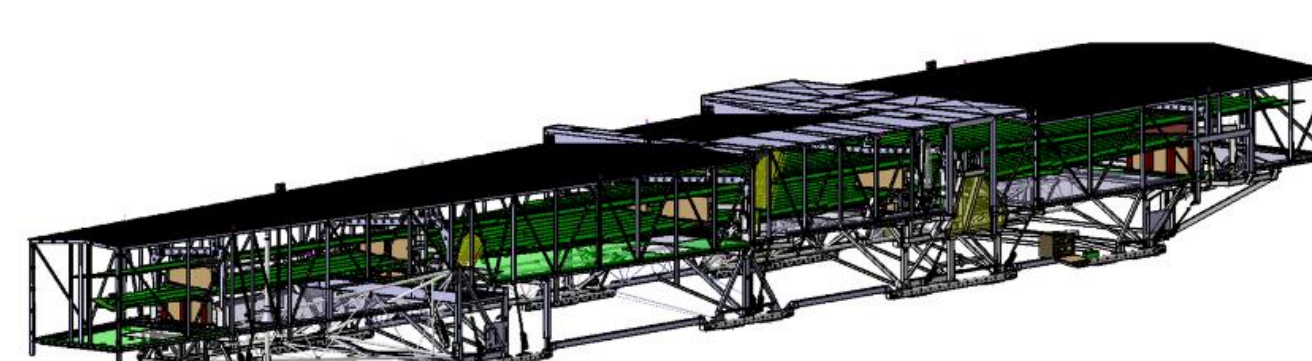- ✓ Visualization of asset performance
- ✓ Reduced implementation costs

USE-CASES

Whirlpool CORPORATION
Automatic Drum Line

FFT
A350 Wing Cover Intelligent Maintenance of Transportation Jig

M. J. MAILLIS GROUP
Cold Rolling Milling Unit

Join the UPTIME community! community@uptime-h2020.eu

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.

Further information about the UPTIME Partner Programme can be found on our website: www.uptime-h2020.eu.