

PROBLEM/ISSUE ADDRESSED

When unexpected failures occur in production lines it results in production stoppages as well as increase the maintenance cost and the defected products. In addition, in manufacturing sensing, maintenance and scheduling services working separately, which leads to the source of disturbance each other. The aforementioned are the main problems that UPMASS aims to address

SOLUTION

The UPMASS project provides a unified solution, bridging predictive maintenance to production planning and scheduling. A complete chain from sensors to predictive analytics generation, maintenance activities planning and scheduling along with existing and/or future production operations. Proper condition monitoring and predictive analytics in turn, allow for decreased number of defected products and wastes, caused by equipment degradation, reducing the environmental footprint.

WHY IT IS IMPORTANT FOR SOCIETY

UPMASS solution aims to decrease:

- Water usage/pollution
- Maintenance costs
- Number of defects by at least 15%.

UPMASS aims to reduce the environmental footprint as well as the huge maintenance costs for the manufacturers

“ *Thanks to EIT we were able to improve and mature our solutions in order to provide a unified solution in the market* ”



MAIN RESULTS & INSIGHTS



- Maintenance aware scheduling in production lines



- Sustainable solution based on Industry4.0 standards



- Wastes and Costs reduction



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MAIN PRODUCT

UPMASS project

AIM: Contribute to sustainability and interoperability in manufacturing



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