

## Intelligence

Data Management

- 99% of Manufacturing Data Value goes unused
- 605 bil.EUR are lost annually in manufacturing due to the lack of digitalization

Machine Learning

Artificial Intelligence

- Knowledge through Ontologies and Relational Databases
- Smart data monitoring, Smart Industries
- Zero defect manufacturing
- Time and resource conservation
- Predictive Maintenance
- Equipment downtime reduction
- Faster Ramp-up times

## Risk

We identify and evaluate possible risks associated with processes, using specific safety tools, and propose dedicated control measures

On site Airborne (nano)particle and VOC concentration measurements



Advanced Control Banding methodologies

CFD modeling of hazardous agent exposure incidents

## Safety

Safety-by-Design offers:



- Enhanced competitiveness
- Early stage, cost-effective risk mitigation actions
- Reduced need for process retrofitting

## Environment

We promote Life Cycle thinking by offering analysis and support in the areas of Life Cycle Assessment and Life Cycle Costing

Sustainable Environmental management



Integrated AI/LCA solutions for the prediction of environmental impact issues

Support for a beneficial transition to a circular economy

Comparison with state of the art engineering solutions

*Building the future together*

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