Smart product Supervised process

Structural Health Monitoring



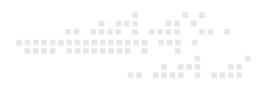
Industry 4.0

For a tailored approach to IIoT

Control of energy performance - Monitoring of production lines - Automated and digitalized product quality control - Predictive maintenance and M2M - Testing strategy and smart data - Connected products and Product As a Service - Availability and lifetime extension of equipment and infrastructure.

Trace, act and predict thanks to Cetim's industry knowledge of products, processes and data.







MAKE YOUR DATA YOUR ADDED VALUE

IMAGINE THE SERVICE AND THE VALUE:

how to comprehend and build your IIoT project?

- Needs assessment: diagnosis, business audits, proof of value, support scope
- Risk elimination and specifications: FMEA, systems engineering
- Financial and partnership-based engineering: identification of existing solutions and partners, project coordination and IP

CREATE THE DATA WAREHOUSE AND ASSOCIATED DATA SCIENCE:

how to create your algorithms by processing the data of your connected object?

- Data management: data conversion and clean-up, data interfacing, architecturing and consolidation
- Data analytics: indicators, classification, businessoriented Al strategy (machine learning...), data visualisation

CREATE THE CONNECTED OBJECT:

which instrumentation, collection and connectivity strategies to use for your project?

- Measurement and instrumentation strategy: specific business expertise view point of the data to be collected, numerical models, sensors
- Data collection: sensors integration, signal/image processing, edge/embedded computing
- Connectivity and storage strategy: dedicated connectivity selection, IT infrastructure, cybersecurity

CREATE AND PROVIDE THE SERVICE AND THE **VALUE:**

how to successfully implement industrial production?

- Materialise: proof of concept (POC), prototype, HMI, Apps, training/transfer
- Industrialise: specifications. development, validation, production

OUR STRENGTHS

- •70 experts over the entire IIoT value chain: business consulting and strategy, physical and digital development of solutions, etc.
- **Dedicated experimentation platforms** with a wide range of technological solutions
- Structured implementation from the POC to industrial production via an incremental approach
- Specific Cetim Academy® training programs over the entire IIoT value chain to make your staff operational



