

Smart product
Supervised process
Structural Health Monitoring
Connected testing



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

1

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

2

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

3

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, business-oriented AI strategy (machine learning...), data visualisation

4

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



Question and Answer Service

Tel.: +33 / 970 821 680

sqr@cetim.fr



Find out about all our solutions
on cetim-engineering.com

