IoT and 5G for Industry
CS-Industry, your IoT path towards Industry 5.0

Vertical M2M
CommonSense
IoT Platform

Founded in 2008, Vertical M2M is an independent IoT solutions & technologies vendor. Relying on CommonSense IoT Platform®, our flagship Industrial IoT (IIoT) Platform, we deliver end-to-end IoT solutions for INDUSTRY 5.0, including IoT devices and integration, connectivity, advanced device and park management and turnkey but customizable applications to solve key business issues with IoT.

Business challenges & needs

Industrial customers continuously need to improve their competitiveness by optimizing their processes or reducing their energy and maintenance costs and face Industry 5.0 emerging challenges.

Industry 5.0 is about digitalizing Industry with a human-centric and sustainable approach.

IoT brings operational efficiency and innovative solutions to industries, it is all about IIoT : Industrial Internet of Things

IIoT deals with complex machines and automation systems (such as robots), connected equipment and rugged sensors to efficiently monitor, secure, track and manage in real-time factory assets.

Our solution

CS- INDUSTRY, our portfolio of IoT solutions relying on CommonSense IoT Platform brings immediate benefits towards Industry 5.0.
- On one hand, any of your data flows and IoT devices (industrial sensors, machines, automation systems, actuators, valves...) can be securely integrated, real time connected and managed onto a single IoT & data infrastructure.
- On the other hand, you can immediately take benefit from a series of use cases and integrate them into your existing business processes (MES, ERP, CRM...).

This GDPR-compliant, powerful and customizable offer can be delivered either as a SaaS service (100% hosted in Europe), as dediacted On-Premise solution or even as an EDGE platform deployed in your factories.

Deploying IIoT with CS-INDUSTRY is now easy, affordable and compliant with critical issues such as security, 5G and sustainability.
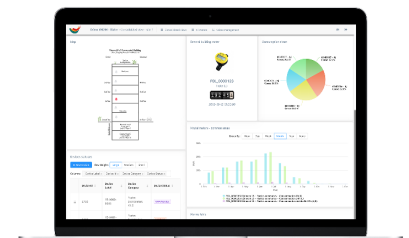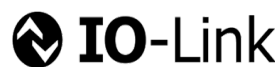
Predictive maintenance

Energy Management

Asset Monitoring and Tracking

Bluetooth Low Energy · OPC UA · LTE-M · NB-IoT · Modbus · LoRa · IO-Link · 5G · WiFi

RUN
DESIGN
MANAGE
CONNECT

Key Benefits :

- Lower operation and maintenance costs on your industrial machines.
- Lower and control your energy costs.
- Monitor your assets more efficiently

A unique offer to manage key assets, improve energy and network's performance, lower energy consumption and costs and reach sustainability goals.

PREDICTIVE MAINTENANCE

Business needs

All industries are looking for proactive approaches to maintenance : it's about making regular repairs to equipment or machinery to prevent failure and outages.

How to prevent Industrial machines from breaking down ?

How to efficiently maintain your fleet of machine-tools with a real-time vision of potential drifts ?

IoT predictive maintenance relies on data analysis/AI on machinery's behaviour with realtime measures (vibration, temperature, pressure, etc) from various IoT industrial sensors.

Solution

We provide an end-to-end solution including smart industrial sensors, IoT connectivity and data platform to display, analyze and alert depending on machine use criteria. Smart data and KPIs (key performance indicators) collected and generated can be integrated with M.E.S (Manufacturing Execution System) to improve maintenance and prevent from downtimes.

ENERGY MANAGEMENT

Business needs

Industries need to cope with rising energy costs which means :

Analyze energy consumptions for all kind of fluids (electricity, gas, water, thermal) and usages (lighting, HVAC, industrial processes, data centers, etc)

Set-up action plans to improve energy efficiency and monitor their impact

Pilot active energy systems (automation systems, HVAC, electrovalves, etc)

Solution

By using Energy management applications from CS-INDUSTRY solution, you will be able to monitor in a sustainable way your energy consumptions with relevant KPIs (Key Performance Indicators) and configure scenarios and operation plans to lower your consumption.

ASSET MONITORING AND TRACKING

Business needs

Industrial businesses need to handle accurate realtime information on all assets involved in industrial processes in order to continuously improve performance.

Asset monitoring and tracking solutions help identify asset failures and risks or even schedule maintenance operations through controlling asset's lifetime cycles. IoT technologies are an efficient way to provide precise data on asset's name, location, status and key parameters.

Solution

CS-INDUSTRY let you deploy any industrial sensor to monitor your fixed industrial asset (whether it is a machinery, an equipment …) and indoor/outdoor trackers to locate mobile assets in warehouses, workshops or outdoor areas from industry plants.