Intelligent Services

SMART ENERGY MANAGEMENT

Energy consumption and sustainable development have become growing and vital stakes for energy players, Property managers and city stakeholders and more widely for every industrial assets. In order to anticipate changes in regulations and reduce environmental impacts, Capgemini proposes secured, scalable and ready-to-use solutions that accelerate transition towards cost-effective and optimized energy performance.

By leveraging data intelligence, we set up flexible and ergonomic digital platform enhancing massive acquisition and advanced data processing services to provide efficient energy management and impacting actions.

Our solutions can meet the strategic and operational objectives of energy players as well as real estate managers (building, housing, plant) by addressing all kind of fluids (electricity, gas, water, air) and dealing with short term savings as well as mastering transition plan for environmental regulations compliance.

WHAT WE OFFER

- Set up of digital hub facilitating the acquisition of massive and heterogeneous data
- Access to collaborative web portal providing smart energy insights
- Business oriented dasboards and automated reporting
- Smart alerting system
- Automated energy contrats optimization and invoices control

- Automated energy savings and ROI measurement
- Generate predictive models integrating multiple influencing factors
- Interactive and collaborative action plans management interface

FOR...

Energy & Utilities players

Building & Smart City

Industrial Assets

Retail and Distribution

OUR EXPERTISE

- Massive and heterogeneous data acquisition

- AI Methodologies and cloud computing

- Supervision

- Asset management

- Data Intelligence

- Energy savings

- Control room set up

- Integration and support

- IoT sensors and interfaces choices

- Cloud facilities

- Energy intelligent services

- Safety and Cybersecurity

- Quality assessment for energy management system

DIGITAL ENABLERS
for *Intelligent Services*

- Automated collection of all energy and asset data
  - from suppliers and distributors
  - from Business IS (ERP, CRM)
  - from technical IS (MES, CMMS, BMS)
- IoT-ready : easy deployment and management of connected products including existing IoT library
- Use of webservices for georeferenced data (Weather)
- Smartphone Application (IoS/Android) for manual data collection of on-site index

OUR ADDED VALUE

25 years of experience in Energy and Asset management sectors with a deep understanding of critical processes and safety challenges.

Compliance with the best standards in **Cybersecurity** for **IT** and **OT**.

Capacity to set up and run **"end-to-end"** solutions from sensors to **business cases**.

A partner ecosystem to cover a **comprehensive scope** of data production technologies and a **complete interoperability** (business information systems, web services, counters and sensors, databases, telecommunications networks).

Recognized ability to integrate the best advanced **technologies** and pre-packaged solutions for a faster project **deployment**.

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