Seamless integration with your SCADA or DSS software

IoT-Konnect allows you to connect industrial equipment in electric distribution, Oil & Gas, environmental, and other industries, using a seamless link between the remote devices and your SCADA or DSS software.
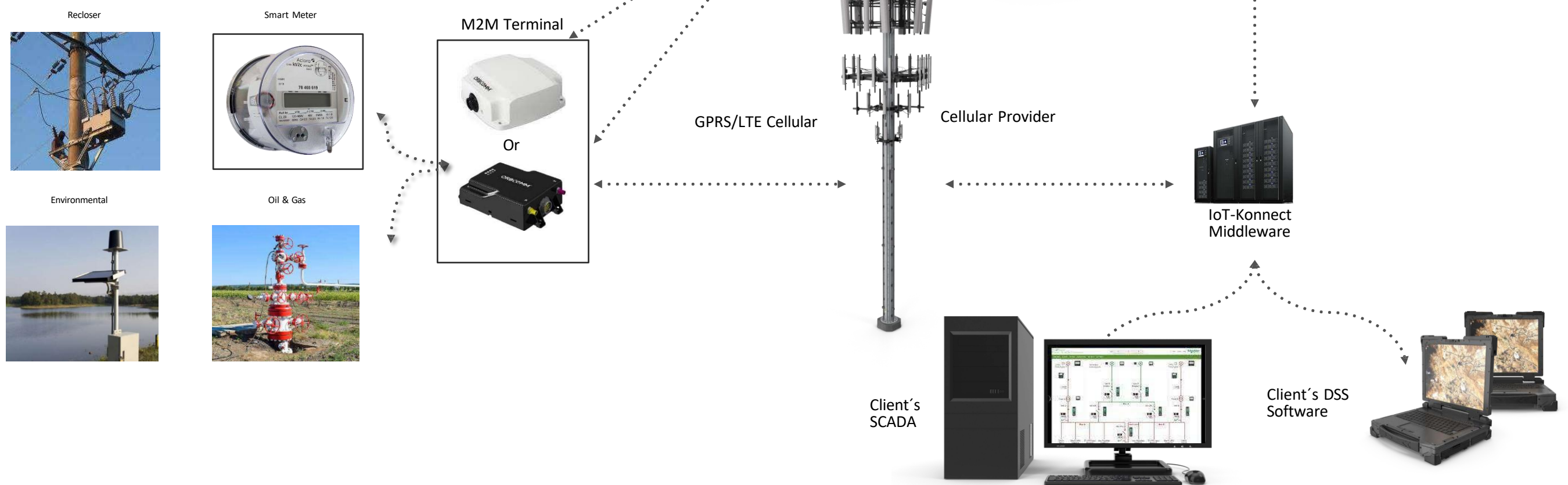
IoT-Konnect brings a wide range of possibilities by supporting standard industrial protocols: Modbus, DNP 3.0, IEC 61870-5/101/104, IEC 61850, and DLMS/COSEM.
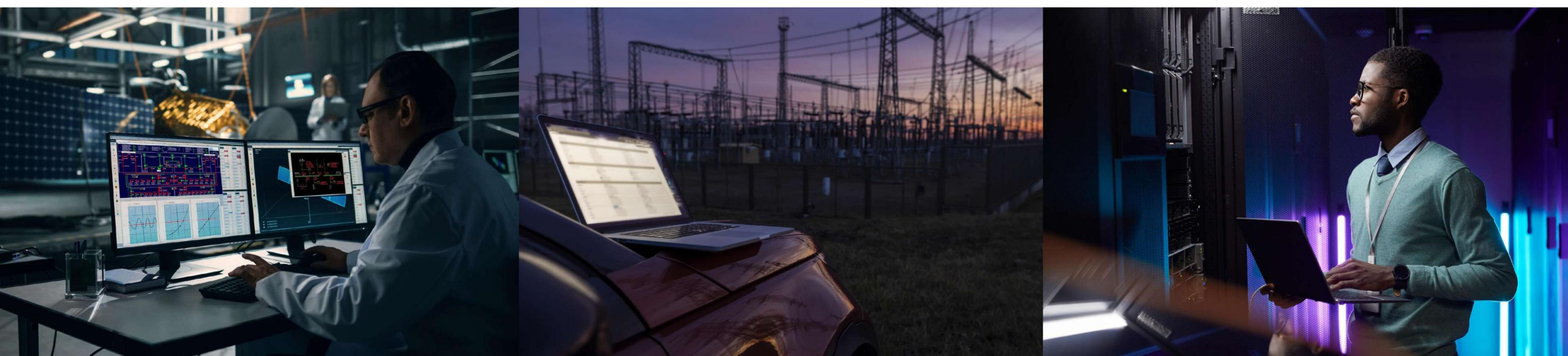
System Architecture

Market industrial protocols

DNP 3.0, DLMS/COSEM, MODBUS, IEC 101/104, IEC 61850

Recloser

Smart Meter

Environmental

Oil & Gas

Satellite

Ground station

Satellite Gateway

M2M Terminal

Or

GPRS/LTE Cellular

Cellular Provider

IoT-Konnect Middleware

Client´s SCADA

Client´s DSS Software

Our M2M terminal installed in the field is fully programmable and is in charge of communicate the slave device with your SCADA or DSS software. The signals are sent through a variety of communications options up to our middleware and then to your SCADA or DSS software, using encrypted and secure channels.

Features

▶ Seamless integration between the remote devices (reclosers, smart meters, voltage regulators, capacitor banks, variable speed drivers, and field sensors) and the client's SCADA or DSS software.

▶ Supports standard industrial protocols: Modbus, DNP 3.0, IEC 61870-5/101/104, IEC 61850, and DLMS/COSEM.

▶ Plug and Play hardware.

▶ Forecast and alarms system for data usage.

▶ More than 99% satellite communication channel availability (IsatData Pro network - Inmarsat).

▶ Geolocation.

▶ 24x7 customer service.

Benefits

▶ Save money by reducing the remote devices downtime and maximizing equipment run life span.

▶ Optimize operative costs and resources.

▶ Improvement of reliability indicators (SAIDI & SAIFI).

▶ Improvement of maintenance indexes (MTTF, MTBF, MTTR).

Solutions

Smart Grids

Improve the reliability indexes (SAIDI, SAIFI) of your services by linking remote devices as reclosers, voltage regulators or capacitor banks to your SCADA.
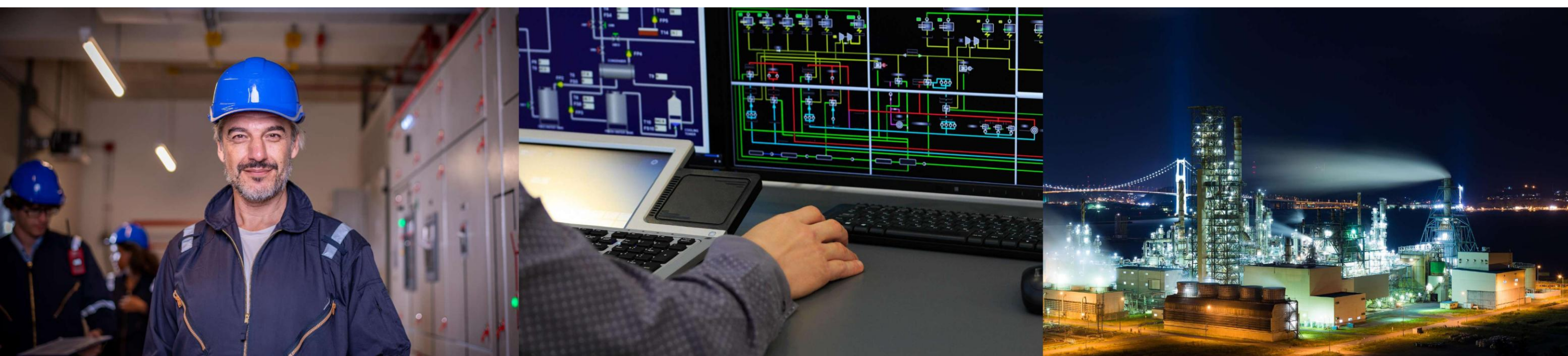
Oil & Gas

IoT-Konnect offers a comprehensive range of M2M communication solutions to link seamlessly any kind of Artificial Lift System or surface facilities with your SCADA.

Environmental

We offer highly reliable solutions to connect remote measurement stations with your SCADA or any other software.

Utilities

Keep track of electric energy, natural gas or water consumption in real time by linking the remote smart meters with your software.

Numerica

NUMERICA is a technology company with more than 25 years of experience providing solutions to several industrial and educative sectors.

Our company was founded in 1995 as a local services provider in the Oil & Gas industry focusing on innovative developments and long-term relationships with our clients.

Today we have projects in more than 10 countries as leaders in M2M communications solutions in key sectors such as Oil&Gas and Smart Grids.

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