LUMEL

BUILDING AUTOMATION & DATA CENTER SOLUTION

Building automation has recently become a very popular term. Such popularity is not the result of fashion, but the search for solutions that allow:

- optimise the rising costs of energy and other utilities (e.g. water, gas, compressed air)

- increase the comfort and convenience of the building

- increase the comfort and safety of workers

So what do you find in the offer of building automation in Lumel S.A?

Industry 4.0

MQTT.ORG

BACnet™

PROFI NET

ETHERNET
MODBUS TCP/IP

RS-485
MODBUS RTU

DEVICES AND COMPLETE SYSTEMS FOR MEASUREMENT AND MONITORING OF ENERGY, WATER, GAS AND OTHER UTILITIES, e.g.:

NMID30-1 and NMID30-2

MID CERTIFIED

MID certified energy meter – intended for settlements with the energy supplier

LCTB, LCTM, LCTS, LCTR

Current transformers in many ranges, accuracy classes and executions

Power network meters and analyzers in many dimensions and accuracy classes

ULT20

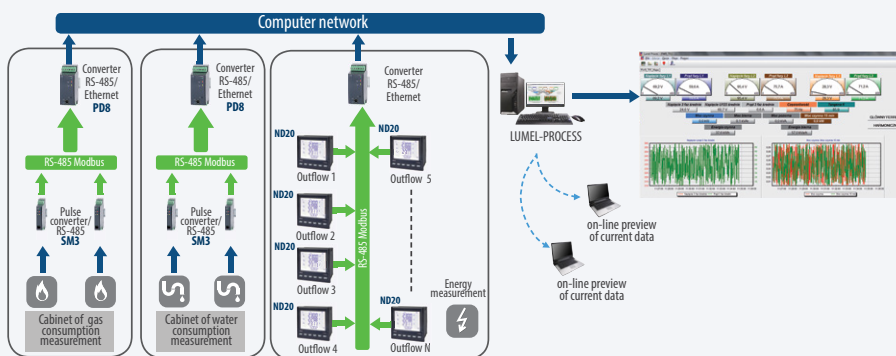Ultrasonic level transducers

marc.energy

Visualization software in Cloud or desktop technology

SM61IoT

Data logger for parameters monitoring via RS-485 from 32 devices for IoT applications

Computer network

Converter RS-485/Ethernet **PD8**

Converter RS-485/Ethernet **PD8**

Converter RS-485/Ethernet

RS-485 Modbus

RS-485 Modbus

Pulse converter/RS-485 **SM3**

Pulse converter/RS-485 **SM3**

ND20

ND20

Outflow 1

ND20

Outflow 5

ND20

Outflow 2

RS-485 Modbus

ND20

Outflow 3

ND20

Outflow 4

ND20

Outflow N

Energy measurement

Cabinet of gas consumption measurement

Cabinet of water consumption measurement

LUMEL-PROCESS

on-line preview of current data

on-line preview of current data

EQUIPMENT AND SYSTEMS FOR MEASURING AND MONITORING OF ENVIRONMENTAL CONDITIONS INSIDE AND OUTSIDE BUILDINGS.

HT20IoT

Temperature and humidity data logger for IoT applications

HT22IoT

Temperature, humidity, light intensity, CO_2 concentration and TVOC data logger

HT25

Data logger for parameters monitoring from 10 devices via RS-485

P18S

Temperature and humidity with digital output RS-485

P18 and P18D

Programable temperature and humidity transducers with digital output RS-485 and analog output

P18L   P19

Temperature and humidity transducer supplied from a current loop with analog or digital RS-485 output

LUMEL

GREEN ENERGY SOLUTIONS
- FOR CUSTOMERS WHO NOT ONLY WANT TO REDUCE ENERGY COSTS BUT ALSO TO CONTRIBUTE TO THE PROTECTION OF THE ENVIRONMENT.

PVSA

LUM-BSB20BA and LUM-BSB20BC LUM-BSPCD020

MARC CLOUD

On-grid solar inverters 10kW, 15kW, 20kW, 25kW, 34kW and 50kW

EV charging stations

Visualisation software in Cloud or desktop technology

Depending on the building infrastructure, we offer solutions based on various comunnication protocols (**MODBUS**, **ETHERNET**, **PROFINET**, **BACNET** or **MQTT**). The use of these most advanced protocols, that are in accordance with the idea of industry 4.0, allows not only to manage processes from small HMI panels located in individual rooms or local computers, but also by using smartphones and other mobile devices provides connectivity to servers located in the cloud.

Real-time monitoring

Actionable analytics

Customized reports & trends

Alarms & notifications

User access

Redundant & fault tolerant

Secure & scalable

Plant 1

Plant 2

Plant 3
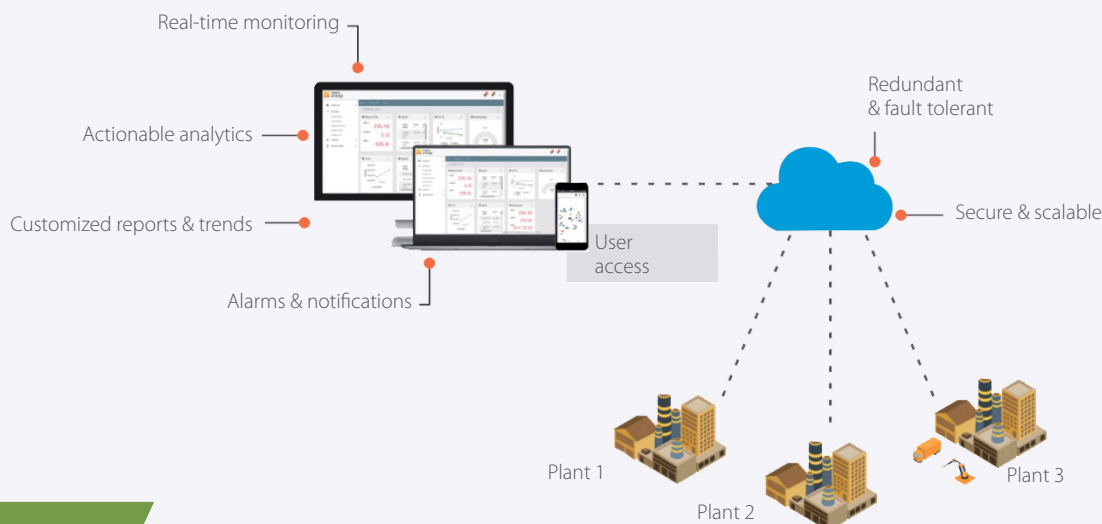
MQTT

BACnet

PROFINET

ETHERNET
MODBUS TCP/IP

RS-485
MODBUS RTU

Industry
4.0

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LUMEL

Are you interested in our offer?
- Please visit **www.lumel.com.pl**

The product configurator, available on our website, will accurately price the device you need.

If you are a designer or installer, use the **ePlan** software.

FOR MORE PRODUCTS AND SOLUTIONS CONTACT OUR SALES ENGINEERS:

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