



T-INDUSTRY YOUR PARTNER IN  
SMART SOLUTIONS & IDEAS

## Smart solutions R&D partner in Slovakia

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**Smart Industry Solutions in Catalonia and Slovakia**

*„Experts in applied research and development for smart technologies (Smart City, Smart Metering, Smart Grid), the Internet of Things and fully customized hardware and software solutions.“*

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## EXPERIENCES AND EXPERTISE IN AREAS

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●  
SMART CITY – SMART ENERGY PLATFORM (TECHNOLOGY FOR SMART GRID)

●  
SMART STREET-LIGHTING SOLUTIONS (APOLLO PLATFORM)

●  
TELEMETRY SOLUTIONS (INDUSTRIAL MEASUREMENT, DATA ACQUISITION &  
COMMUNICATION)

●  
IOT GATEWAYS, IOT SOLUTIONS ("READY-MADE" SOLUTIONS, RESEARCH AND  
DEVELOPMENT)

●  
OPEN RTLS (REAL-TIME LOCATING SERVICES) PLATFORM INTEGRATED WITH UWB  
TECHNOLOGY

●  
CUSTOMER DEVELOPMENT, COOPERATION ON RESEARCH AND INNOVATION  
PROJECTS

SMART LIGHTING – LIGHTING  
CONTROL HAS NEVER BEEN EASIER

## SMART STREET-LIHTING CONTROL

### APOLLO II SYSTEM – KEY FEATURES

**System Apollo is a comprehensive solution that provides on-line, duplex wireless MESH communication with street lamps.**

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●  
SENDING COMMANDS FOR SETTING THE LIGHT INTENSITY LEVEL (WHITE LIGHT, COLOUR RGB LIGHTS)

●  
PROVIDES ONLINE FEEDBACK OF THE STREET LAMP STATE (TEMPERATURE, POWER CONSUMPTION) AND POTENTIAL FAILURES (OVERHEATING, ETC.)

●  
PROVIDES A BUILT-IN USER DATA ACCESS VIA WEB INTERFACE OR VIA CLOUD SPACE

●  
EASY AND FAST INSTALATION, INDEPENDENT OF POWER GRID INSTALLATION

SMART LIGHTING – LIGHTING  
CONTROL HAS NEVER BEEN EASIER

## AREAS OF USAGE – WHERE YOU CAN FIND OUR SOLUTIONS



SMART CITIES



SMART LIGHTING



HOUSING AREAS

SMART METERING – MORE  
THAN JUST MEASURING

## SMART METERING CONCEPT

### DAVE II MODULE

**Compact system for reading acquisition from different meters.**

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SUPPORT DIFFERENT TYPES OF ENERGY MEDIA IN ONE UNIT (ELECTRICITY, WATER, GAS, HEAT)



EASILY EXPANDABLE SYSTEM, BUILT IN WEB APPLICATION



GRAPHICAL INTERFACE WITH SUMMARY GRAPHS AND MULTI YEAR ARCHIVE



GENERATE THE DATA SET CONTENT FOR BILLING



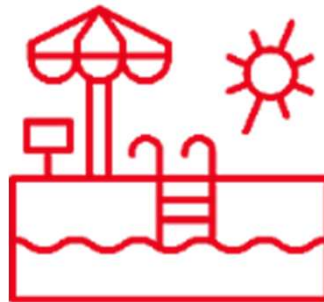
FULLY COMPATIBLE WITH OTHER SMART CITY SOLUTIONS

SMART METERING – MORE  
THAN JUST MEASURING

## AREAS OF USAGE – WHERE YOU CAN FIND OUR SOLUTIONS



BUSINESS BUILDING  
AREAS/ MALLS



AQUAPARKS & SPAS



HOUSING AREAS

## TELEMETRY SOLUTIONS CONCEPT

### TELEMETRY UNIT – OPEN BOX RTU

**Industrial measurement, data acquisition & communication.**

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●  
REMOTE TERMINAL UNIT FOR DIFFERENT ENERGY APPLICATION

●  
UPLINK PROVIDED BY WIRED – ETHERNET OR GSM - MODEM

●  
FULLY INTEGRATED PROTOCOL STANDARDS MODBUS RTU/TCP, IEC-60870-5-101,  
IEC-60870-5-104, TG 800

●  
INTEGRATED DATA ACQUISITION FRAMEWORK (OPENDAF)

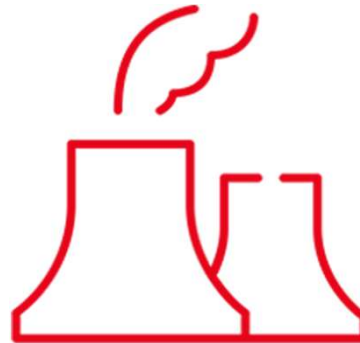
●  
INTEGRATED WEB – BASED HMI (uHMI)

## TELEMETRY SOLUTIONS

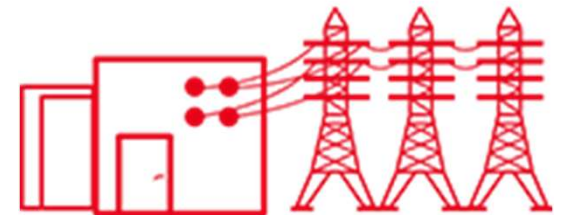
### AREAS OF USAGE – WHERE YOU CAN FIND OUR SOLUTIONS



DATA COLECTION



POWER PLANTS



TRANSMISSION SYSTEMS



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## CONTACT

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