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## **SERVICES SUMMARY**

EV chargers - Wall mounted or standalone (AC & DC)

Photovoltaic systems - On Grid/ Off Grid + Hybrid

**Smart Metering –** *IoT* system that can measure your circuits

**Smart Lighting –** *indoor and outdoor lighting control* 

**Thermography –** checking electric circuits status for RISKS







#### **EV CHARGERS ARE SUITABLE FOR MANY PLACES**

MET Romania is coming with a full package of services for setting up an EV infrastructure.

We are able to offer all type of services, as following:

Electricity supply

EV chargers of all types (AC or DC)

Installation, maintenance and service

Software application (authentication and charging info)

Charging (payment) system

Certified project by EU regulation

Increasing the EV charging network is a key aspect of ensuring that the technology can become mainstream. Automotive manufacturers are developing their ranges of electric vehicles in an effort to reduce the CO2 output of their fleets or face heavy fines if targets are not met by 2021









#### **EV SUPER CHARGER**

AC and DC Charging uses the type 2 standard.

We offer you the latest technology that enables the flexible, modular, and efficient implementation of various concepts for your charging infrastructure for different business models. The EV Supercharger was conceived to fulfill the rising needs for faster car battery charging.

The "EV Supercharger" is characterized by:

Eco friendly

Standardized charging types for USA/Japan, Europe, GB/China

Ability to charge on AC for cars - 80 Ampere(30KW) - In 2 hours, up to 80% of battery car capacity is charged





AC CHARGING	NOMINAL VOLTAGE	NOMINAL CURREN
	480 VAC	Max.80A
IP RATING	IP65	
STANDARD	IEC 62196	
AMBIENT TEMPERATURE	-25°C +60°C	
LOCKING/RELEASE OPTION	YES	
COMMUNICATION	ETHERNET/MODBUS/TCP	PROTOCOLS
DISPLAY	OPTIONAL	
PAYMENT METHODS	NFC/QRCODE/CARD	
SURGE PROTECTION	OPTIONAL	
CHARGING PORTS	2	



# PHOTOVOLTAIC SYSTEMS COULD BE ON GRID OR OFF GRID + HYBRID

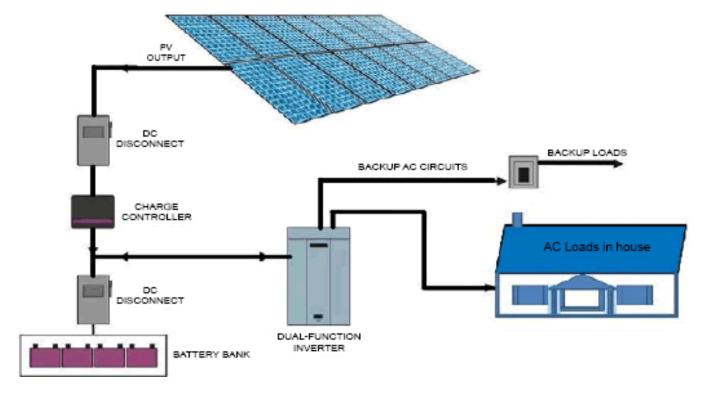
#### **Short description**

On the basis of present world energy scenario, there is possibility that renewable (non-conventional) sources of energy may partially supplement fossil fuel (conventional sources) energy

MET Romania can design a proper Photovoltaic system solution, based on the client activity and his goals.

Each solution is certified and in line with the EU regulation.

#### **Example of a Hybrid solution**







#### **TYPICAL USES**







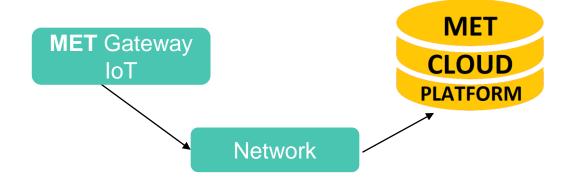
#### **CLIENTS BENEFITS**

- Energy churn decreased by up to 10% by smart buying
- Cut infrastructure preventive & corrective maintenance cost
- Improved prediction of consumed energy / circuit & location
- Instant view into infrastructure consumption status





# Smart Metering. How it is working? MET Romania is offering a turn key solution





- Can interconnect and control actual measurements systems
- Allow integration of new management systems based on IoT
- Is using certified and metrology equipment
- Real time readings notifications and alerts if happenings appear
- Data transmission is via GSM/ GPRS, LORA, 5G















## **ACTION AREA**

- HVAC installations
- Lighting systems
- Common areas
- Elevators, automatic stairs, parking places etc.
- Security systems
- Aggregation of existing/ new meters of gas, water, energy



#### **MET CLOUD CAN PROVIDE MANY ADVANTAGES**

#### How can you access the data?

- Data are centralized and stored with access from anyplace & anytime, through your account
- Data are secured and safety stored
- No third parties will be able to access your energy usage data without your consent

#### What kind of data do you get?

- Graphics and reports (many formats)
- Notifications by email or SMS
- Environmental impact by calculating the CO2 emissions associated with electricity consumption
- User management per location per measured circuits, etc.







# LIGHTING REMOTE MANAGEMENT SYSTEM, FROM MET ROMANIA

#### Smart lighting is able to provide many advantages

- Lighting operates autonomously, using smart scheduling algorithms based on astrological calendar, light level sensors
  or motion detectors for any lamps with electronic or electromagnetic ballasts and also architectural lighting
- As ADD-ONS, you can use your actual outdoor lighting system during the daylight for other purposes, as different sensors, surveilling cams or even EV chargers, without making any other cabling/ digging works that is effort, time consuming and is generating extra costs.











## THERMOGRAPHY IS A SERVICE FOR PREVENTION

• MET Romania is offering this service to all clients that want to prevent unpleasant events or save money by replacing equipment that are not running properly

Thermography can check some of the following:

- Electrical equipment
- Electrical circuits
- Mechanical equipment
- Heating/ cooling equipment
- Connectors
- Others







# Thank you for your attention!