

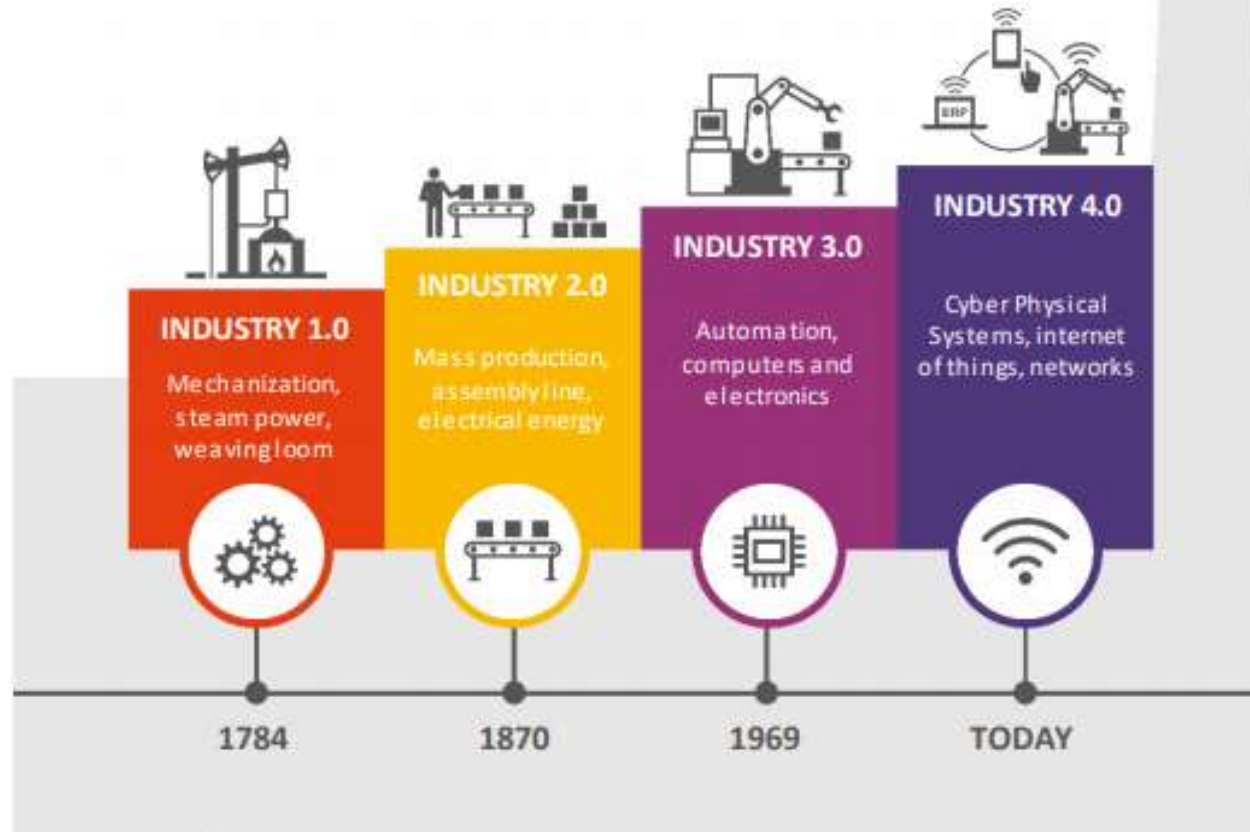
You Can't Manage what you can't Measure

Energy Digitization

Stelios Koutroubinas, Ph.D.
CEO, MEAZON SA

INDUSTRIAL REVOLUTION

TRANSFORMING INDUSTRIES AND INNOVATION



Cyber Physical Systems

Meazon enables energy **digitization** and data intelligence by applying **edge** computing on metering devices.

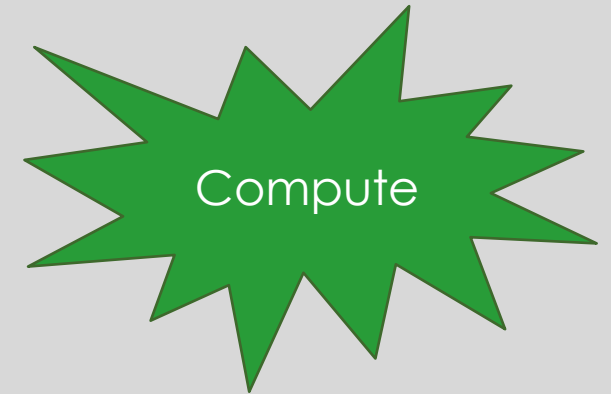
Its highly integrated embedded system is part of a CPS (Cyber Physical System), as it integrates sensing, computation, control and networking, into a small, accurate, powerful, certified device that can be used to enable new cost-efficient services

Cyber Physical System

Sense



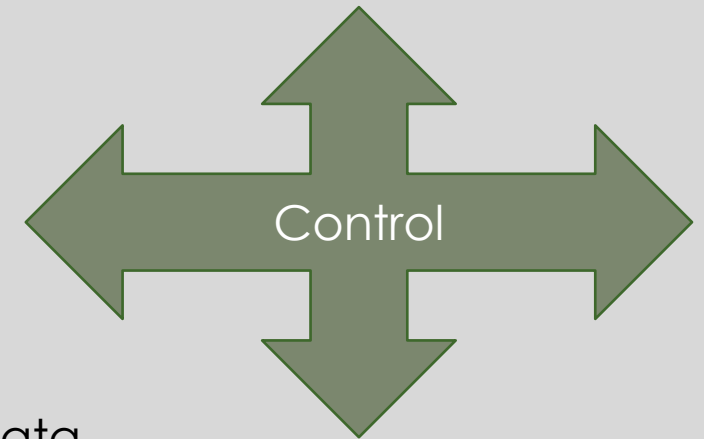
Compute



Communicate



Control



Meazon enables energy **digitization** and data intelligence by applying **edge** computing on metering devices.

US DoE Wireless Submetering Award @2017



Prototypes were tested at the General Services Administration (GSA) Headquarters in Washington D.C. *(Photo from GSA)*



Recognized for meeting DOE's
Wireless Submetering Challenge

Meazon

Presented by the U.S. Department of Energy
May 15, 2017



Dr. Kathleen Hogan
Deputy Assistant Secretary for Energy Efficiency

U.S. DEPARTMENT OF
ENERGY

[more info](#)

What you can do with a single meter.

- Energy efficiency
- Energy digitization
- Sustainable cities



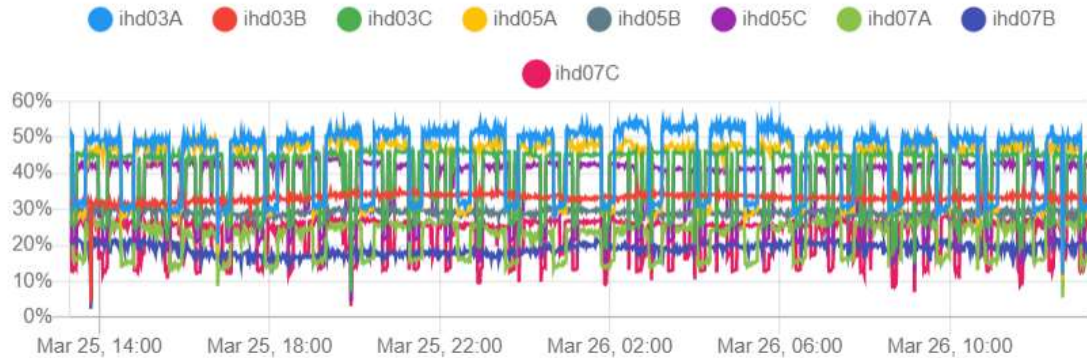
ΤΕΕ Δυτικής Ελλάδος Demo Link

<https://mi3.meazon.com/dashboard/6f8a83e0-d95f-11e9-bd54-e9feba995b12?publicId=22d25ee0-6f27-11e8-8e1a-c9c84cf2608d>

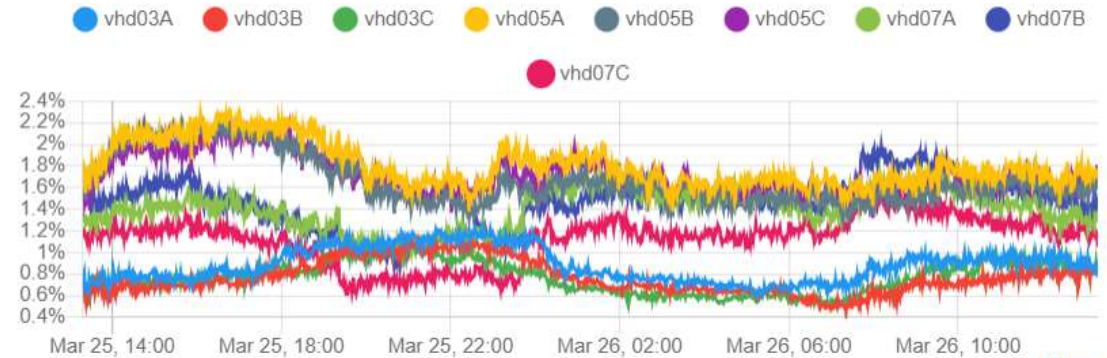
s.koutroubinas@meazon.com

What you can do with a single meter.

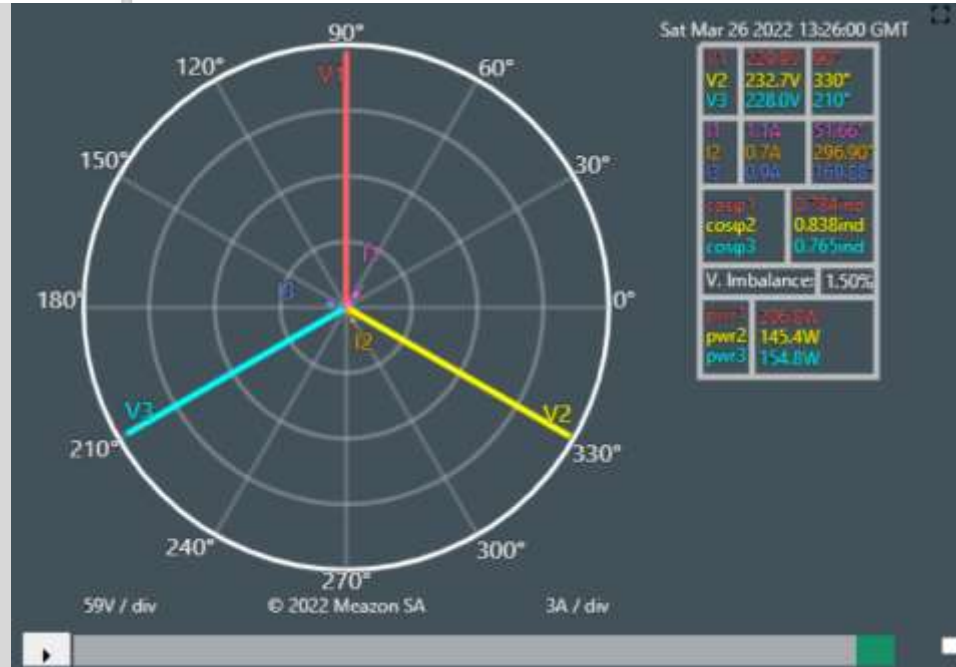
Current Harmonics (3, 5, 7)



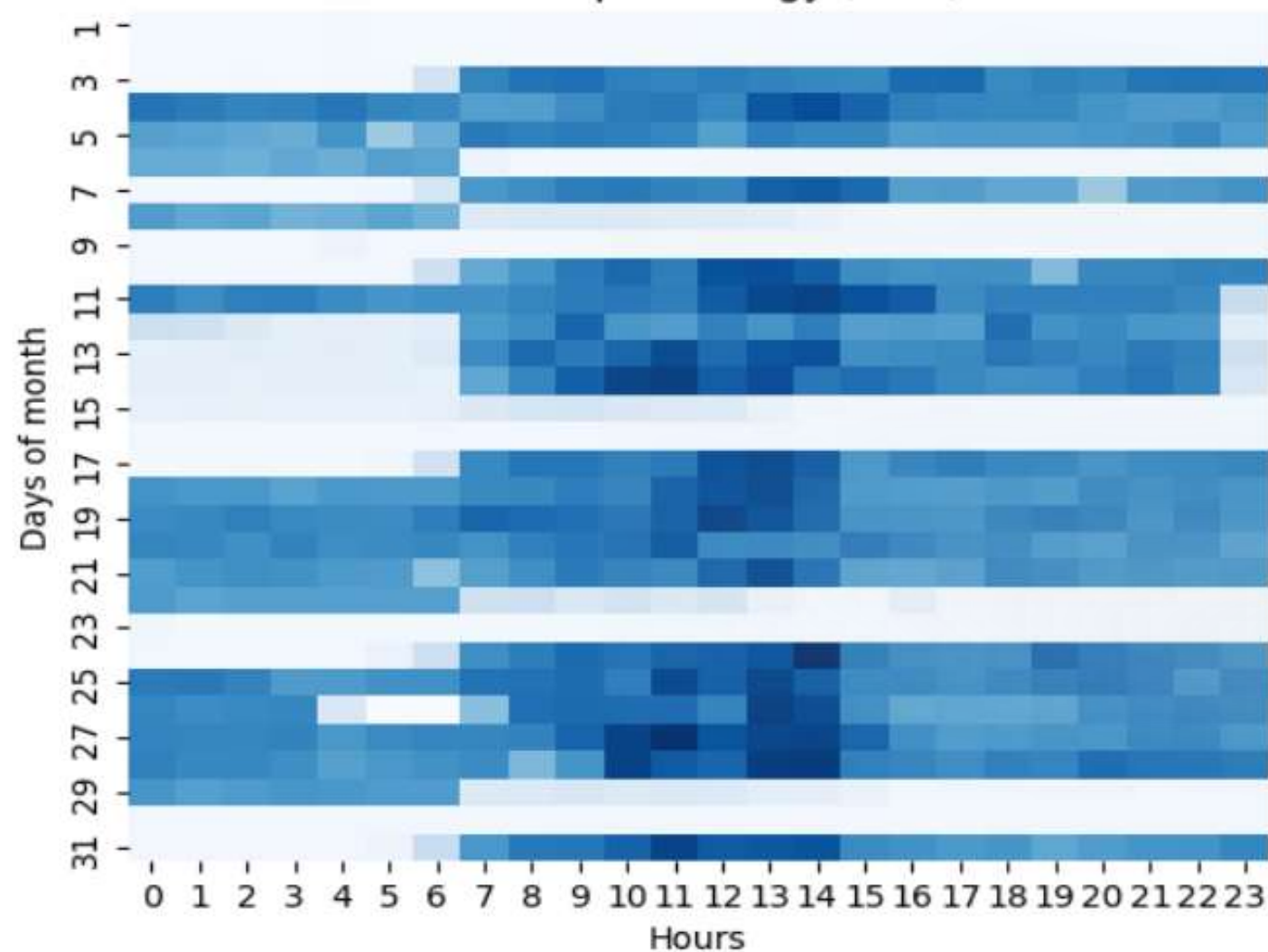
Voltage Harmonics (3, 5, 7)



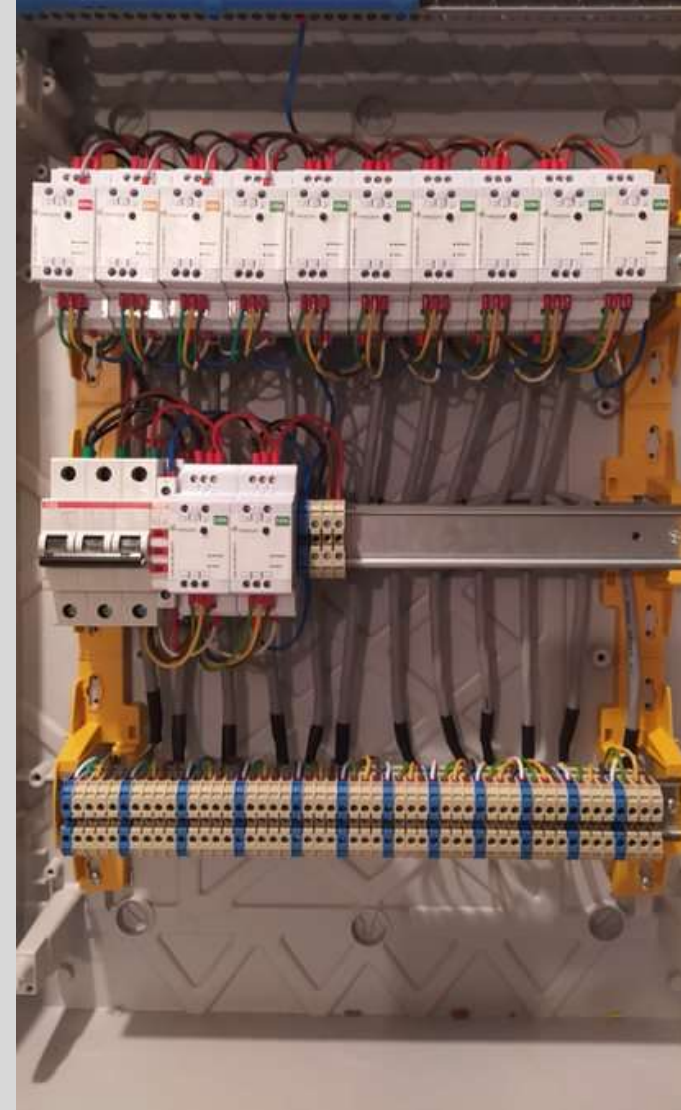
Powered by Meazon S.A.



Heatmap of energy (kWh)



What if you have more meters ...



As small and powerful as it can be ...

2018



W : 30 mm

2022



W : 10 mm

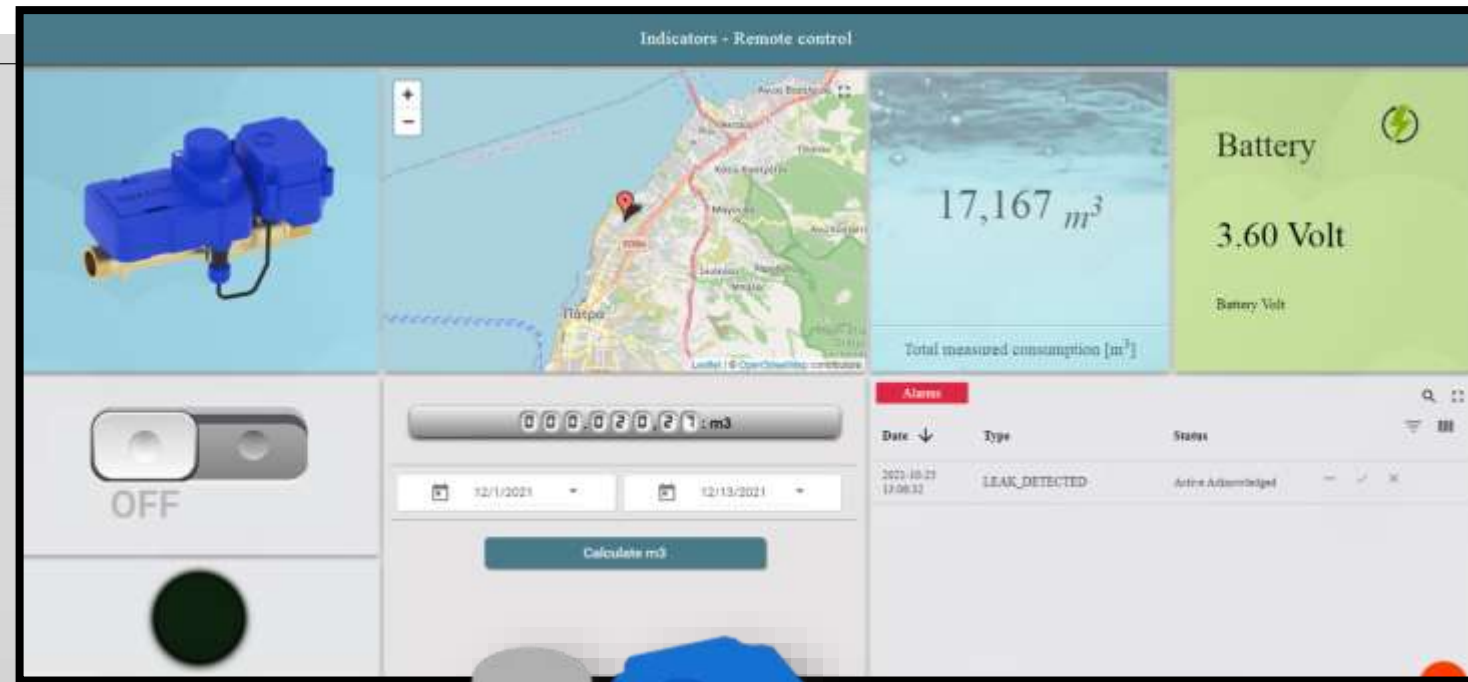
Smart water meter

No moving parts

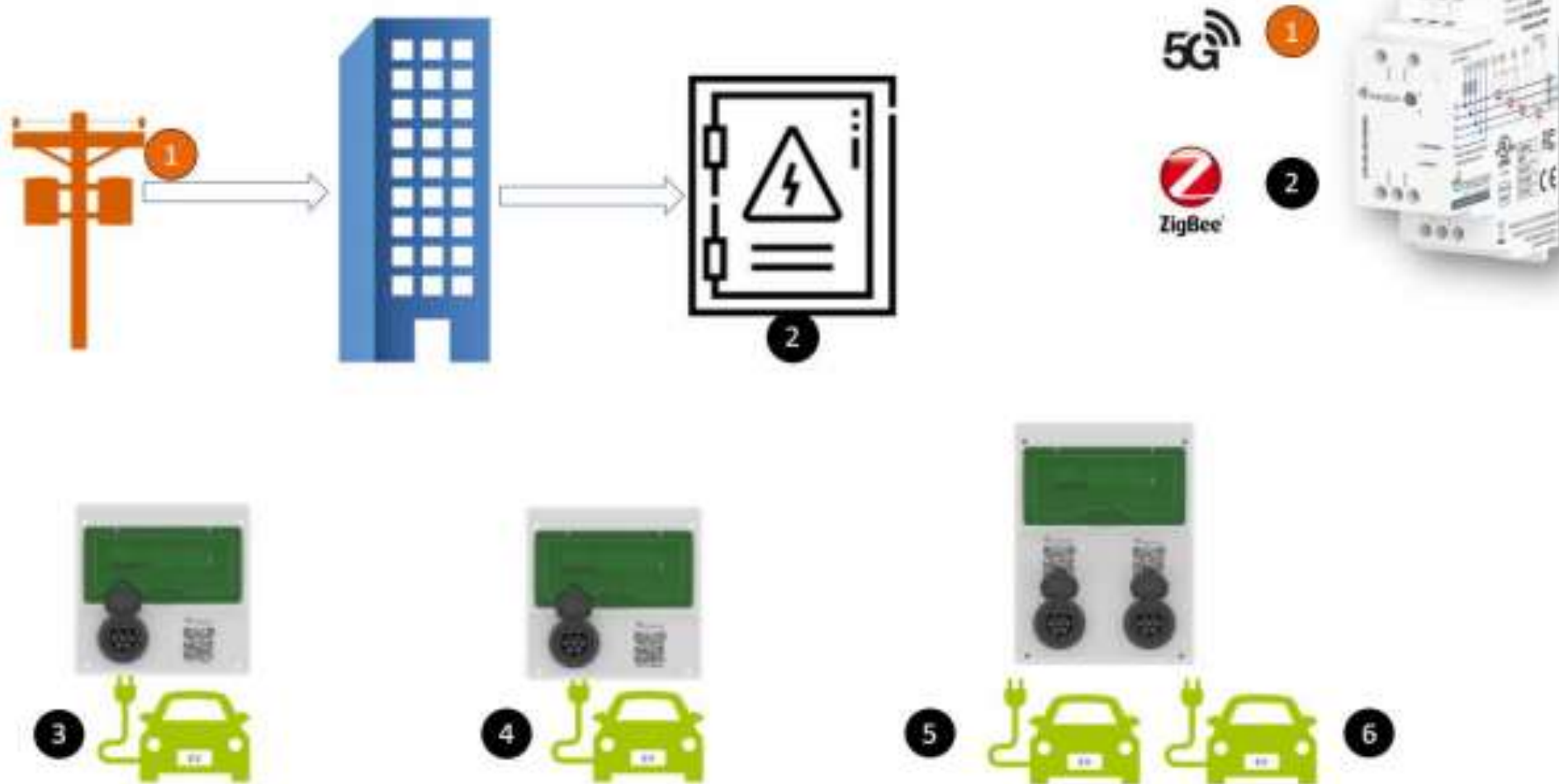
Install in any direction

Ultrasonic metering

Up to R800



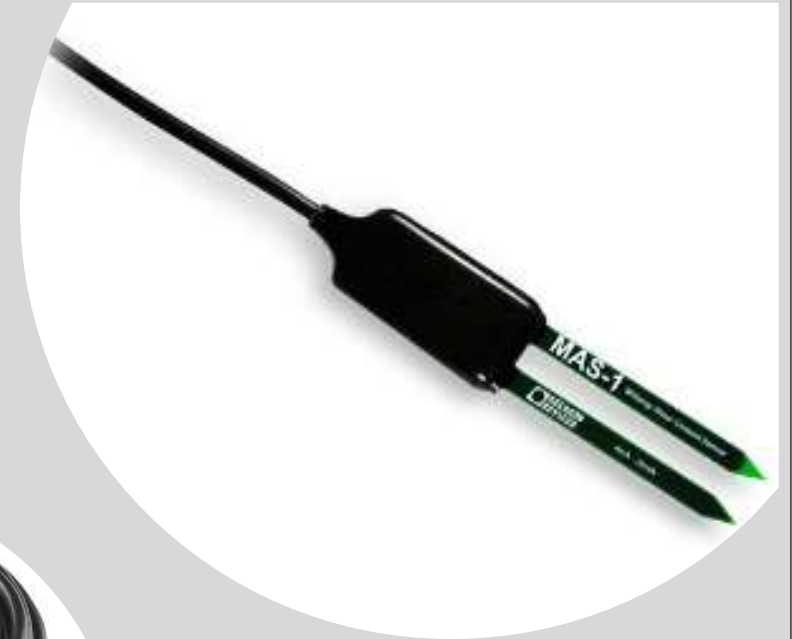
Dynamic EV charging



Multisense

Transform any analog sensor

.....into IoT sensor



Thank you for your time!



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