



## Energy measurement and management systems

Marzieh Alhooei, Luca Omati  
Product management

EMS Day – 07 October 2020



# Innovation in metering

## Products

ECOMeter Light



Voltage up to 3kVAC/DC

Compactness

Optimed solution for metro and train

Digital outputs, 4 relays for catenary detection/overcurrent

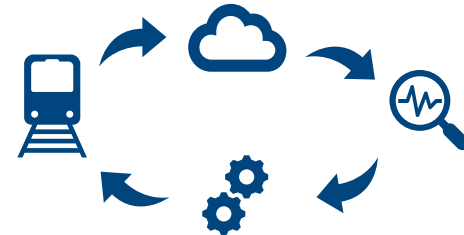


EN50463:2017 Compliant

## Services

*Improve the existing architecture and create new value from data analysis*

- TCMS strong integration
- EN50463:2017
- Diagnostic and maintenance
- Driver advisory
- Condition based maintenance



# Remarkable projects

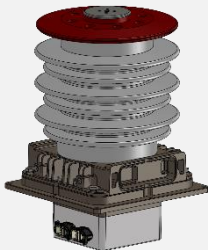
## Retrofit solution

- Directly substitute obsolete Eletrafo metering
- Accuracy 0.5R
- IP 67
- EN50463:2017 compliant
- All the advantages of *ECOMeter* family

Eletrafo EVO

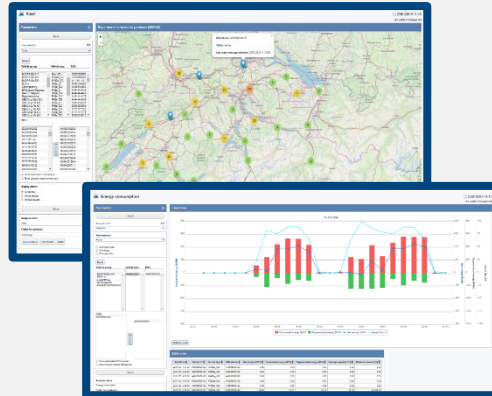


Eurometer FFF



## Microelettrica DHS + DCS

- 1800 metering installed
- More than 100 MCEBD/year processed

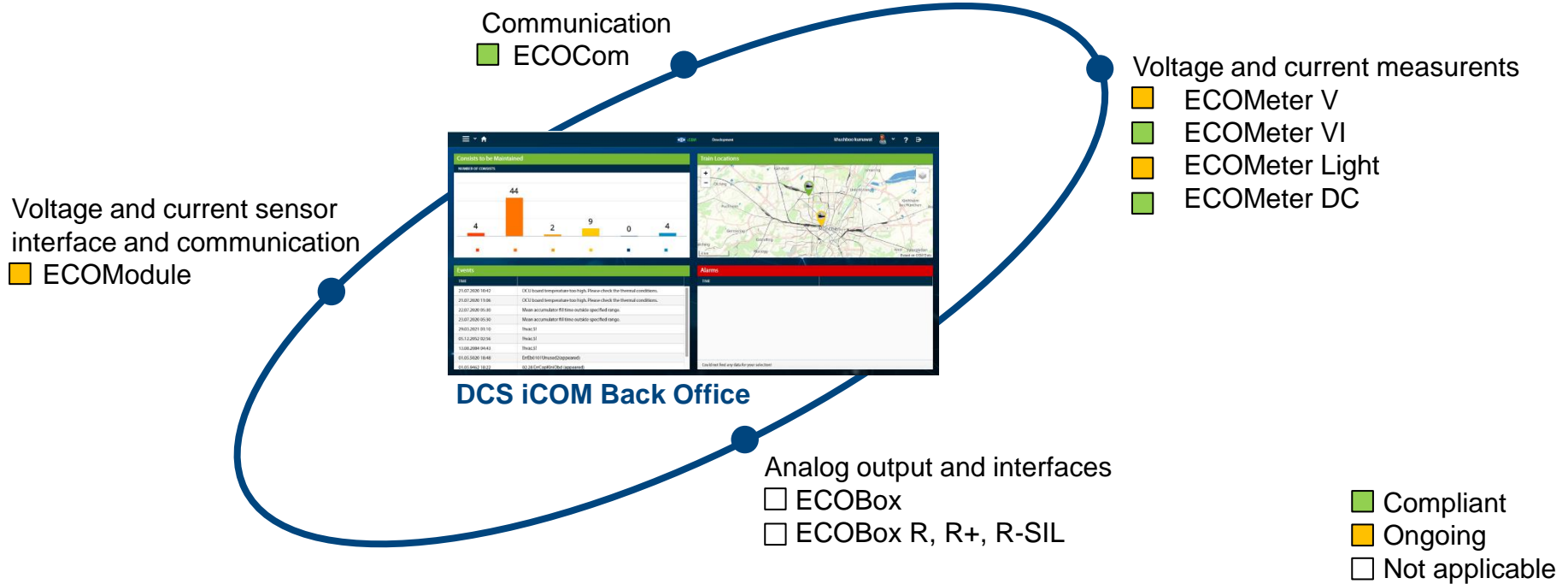


## Integration with third part DCS

- Compliance with EN50463:2017

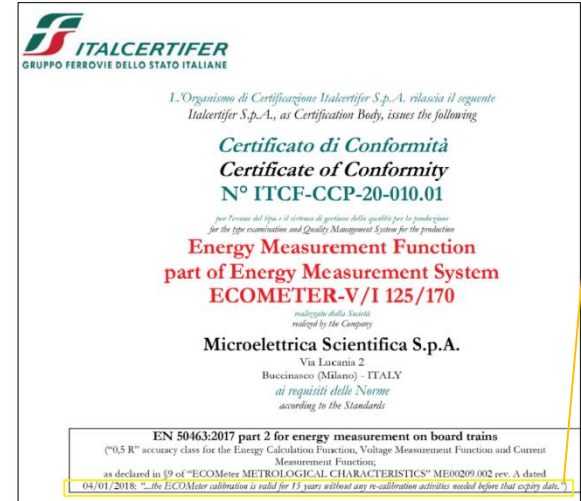
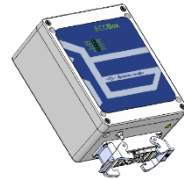
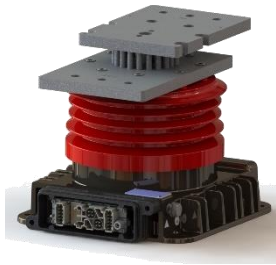


# EN50463:2017 products compliance



# Maintenance and reliability

... calibration is valid for 15 years without any re-calibration activities needed before that expiry date



High accuracy

No need of calibration for 15 years