





## **CATenergy** Energy & traction control and protection

Highly accurate unique all-in-one modular and scalable solution for energy measurement and traction control

CATenergy AC/DC sensors and control unit

# Highly-accurate system for energy billing and saving:

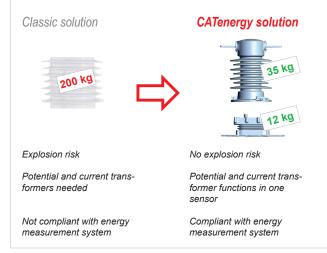
- qualified under the most severe conditions
- world wide quality reference
- 30 years life-time tested

CATenergy is a system to measure high current and high voltage at the trains for energy and traction control management, both for new-built and retrofit railway applications.

- Highly accurate energy calculation
- Complete set of outputs for traction control
- Energy and maintenance data collection
- Data communication, processing and monitoring

### Weight and space saving

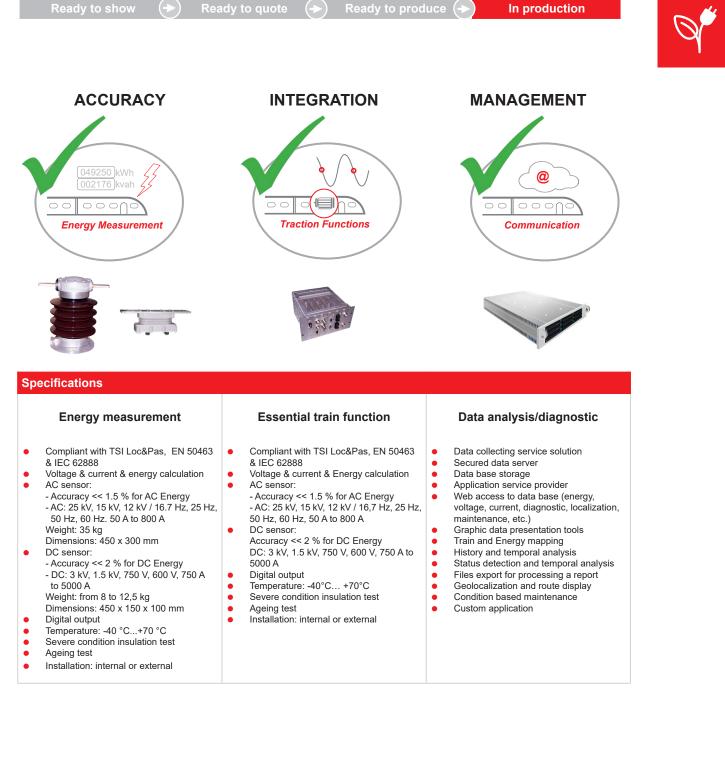
CATenergy solution can save installation space and weight replacing two transformers or sensors and is more compact as does not require to multiply the insulation distance between the different equipment to prevent electrical arc.





## Customer benefits:

- All-in-one cost effective solution
- Weight & space saving for easy integration
- Highly reliable
- Simplified roof architecture
- Easy integration on any retrofit and new-built trains
- Outstanding accuracy
- 🔁 Modular design



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