











ENERGY - TSI -2014

Each Member State shall have to be able to collect train energy consumption data through a ground server.

UIC Leaflet 930

Each Member State shall have to be able to validate energy consumption and to correctly allocate it to the relevant railway undertaker.

Loc&Pas TSI - 2014

The energy meter becomes mandatory on all new and renewed rolling stock that will operate on networks equipped with an energy data collection system.







EN 50463 part 3

EN 50463 part 4

UIC leaflet 930 (Exchange of data for crossborder railway energy settlement)

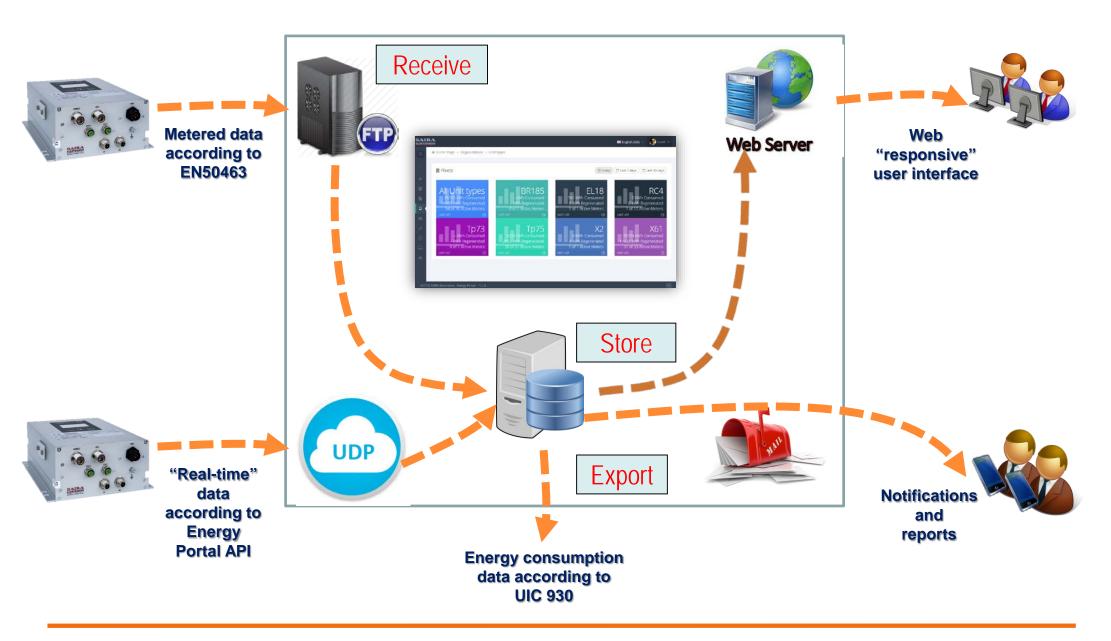






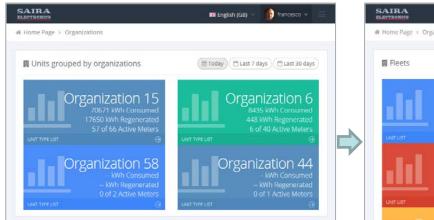


Energy Portal is a EN 50463 DCS

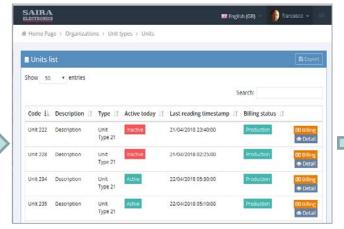




Asset management and configuration



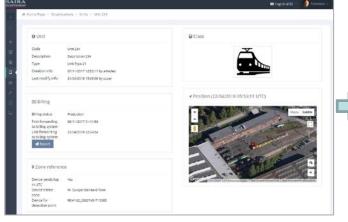




User's organizations

Organization's fleets

Fleet's unit list





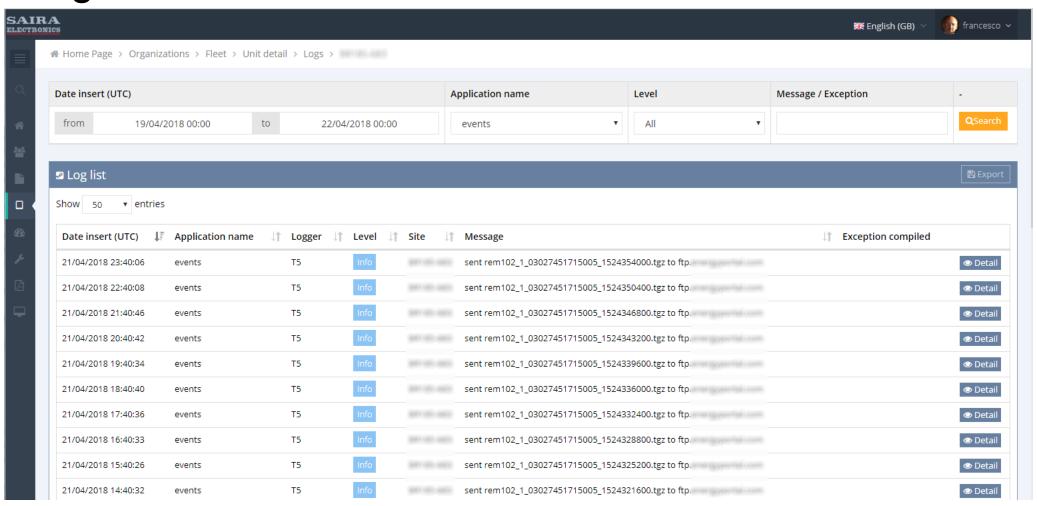


Unit Meter Configured Measures

Different assets and configurations are managed in a simple, coherent and unified way.



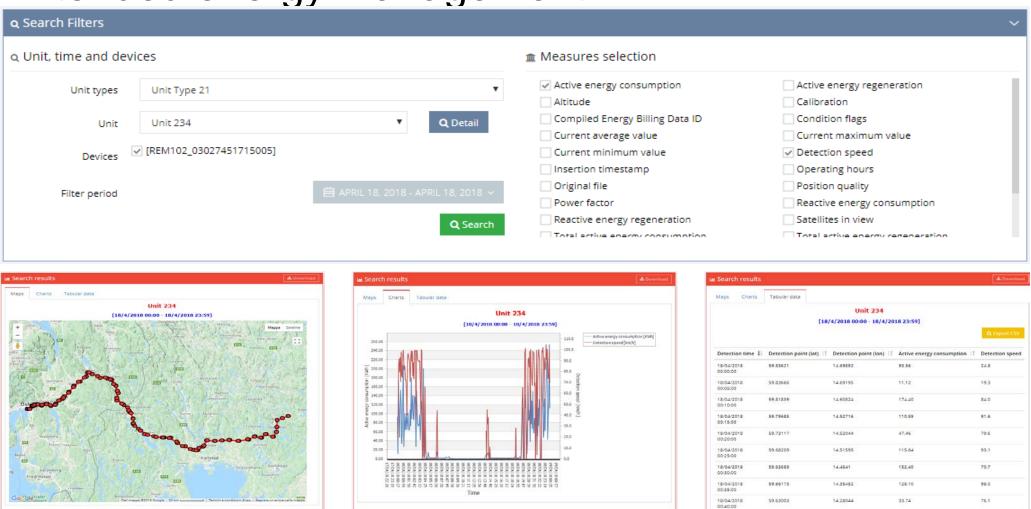
Diagnostics events



Diagnostics events from all applications are collected in a single, easily searchable repository.



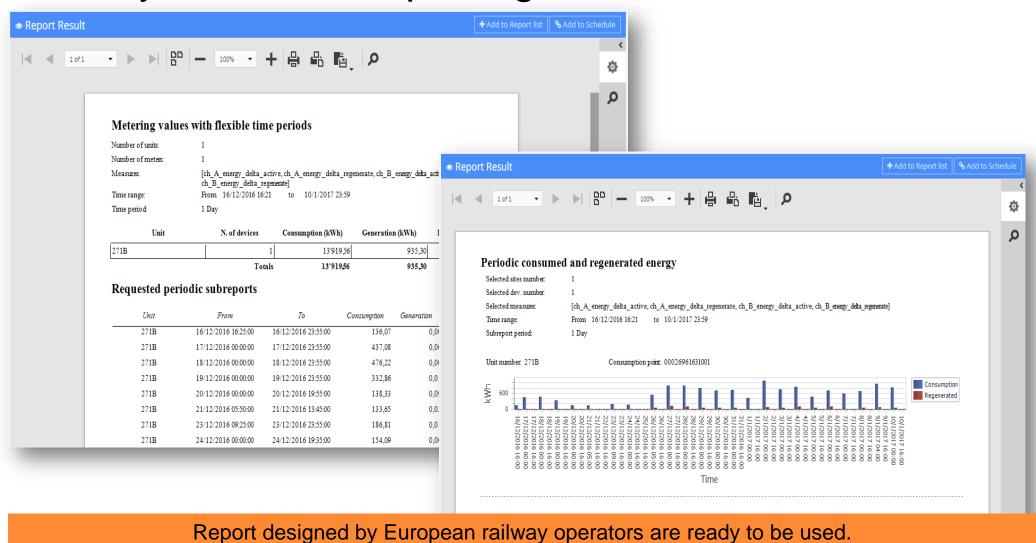
Extended energy management



Energy data can be searched, analyzed and related with all other collected data.

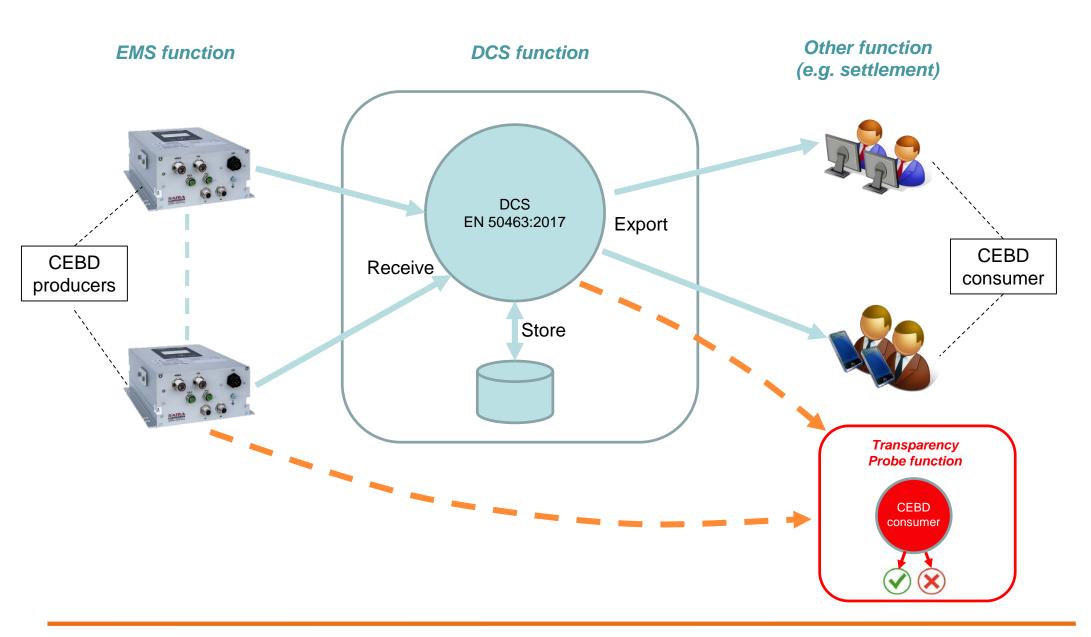


Railway advanced reporting

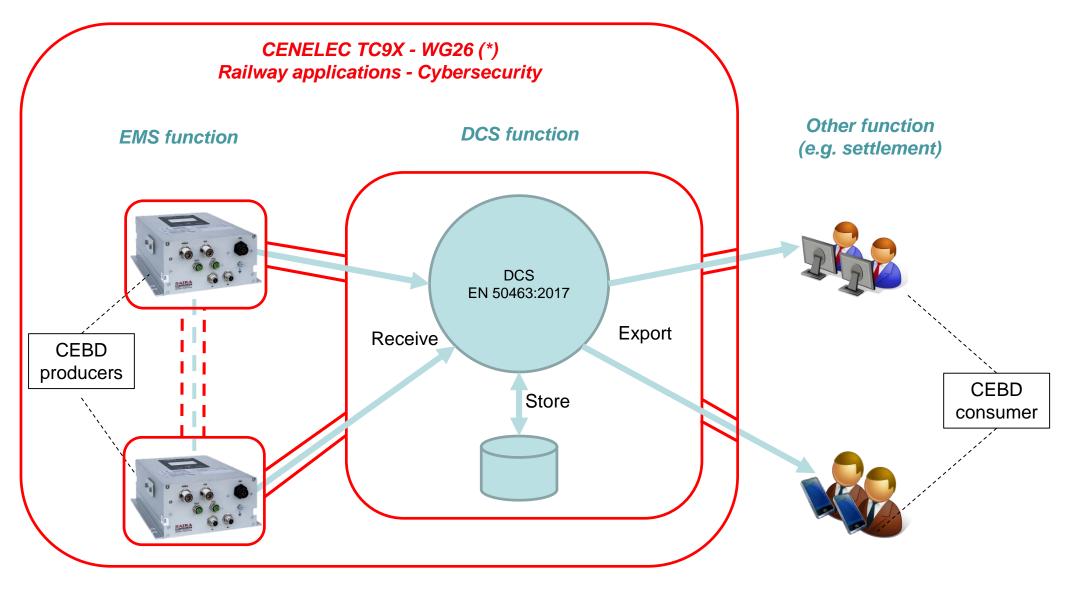




EN 50463-3:2017 introduces DCS assessment







(*) under development: Technical Specification expected by February 2020, then EN