

## Speed dating EMS suppliers HASLER RAIL

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HASLER RAIL ITALIA

PLACE: BRUXELLES

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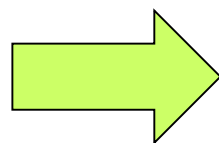
Eress Forum 2019  
June 13, Brussels, Belgium

In the last months some important changes happened in our Company:

October 2018 Sécheron Hasler Group becomes the 100% owner and single shareholder of Saira Electronics Srl

January 2019 Saira Electronics Srl changes the name to  
**HASLERAIL ITALIA Srl**

April 2019 HaslerRail Italia Srl moves into a new building, at new address.



**WELCOME**  
**HASLER**Rail

**Get**  
energy data  
according to  
European  
standard  
(EN 50463)

**Railway Energy Meter  
Railway Fuel Meter**



First Certified EMS



New REM 102 EMS



Fuel EMS

**Voltage Transducers  
Current Transducers**



Indoor 3kv  
transducer



Outdoor 3kv V&C  
transducer



Indoor 3kv  
transducer



25kv V&C  
transducer

**Use**  
energy data  
to improve  
drive  
efficiency

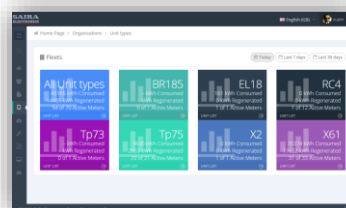
**Railway Train Protection**



New RTP 100-R0

**Transfer**  
energy data  
to analysis and  
billing tools

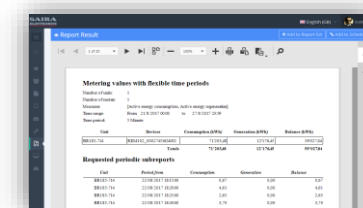
**Train Energy Management  
System  
(Data Collecting System)**



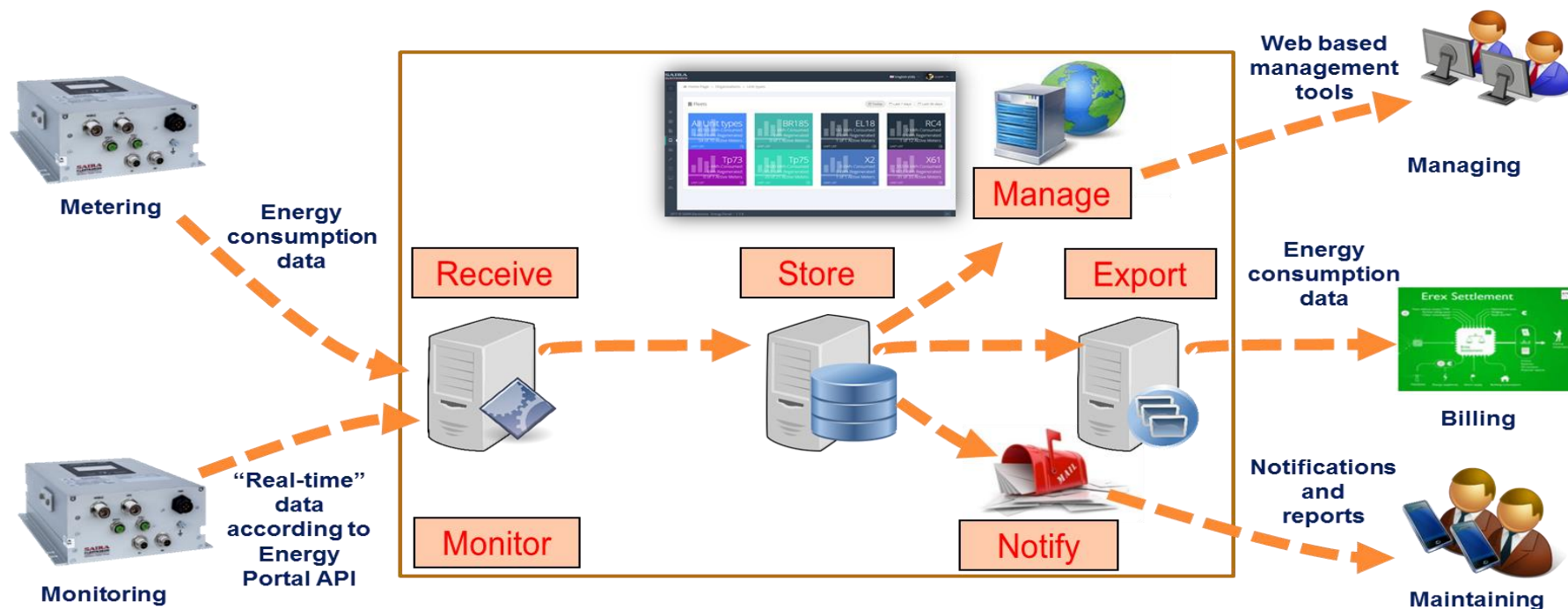
Management



Analysis



Billing



ENERGY PORTAL is more than a DCS EN50463-4:2017. ENERGY PORTAL is also:

- ✓ Asset management and configuration
- ✓ Data Validation
- ✓ Diagnostics events management
- ✓ Real-time monitoring
- ✓ Extended energy management
- ✓ Advanced reporting

**A reliable referenced system, operating in field since years**

- ❖ HaslerRail confirms its commitment and investment into EMS technology
- ❖ The integration process of HaslerRail Italia within Sécheron Hasler Group allows to make synergies for new development of EMS systems, e.g. in the field of:
  - ✓ **TRAIN PROTECTION**
    - ❑ Integrating accurate EMS devices with high voltage systems, to propose reliable and flexible solutions for HV AC-DC protections
  - ✓ **BIG DATA**
    - ❑ Integrating the experience of EVA+ and ENERGY PORTAL systems, in terms of e.g. better data integration, cybersecurity, ...
  - ✓ **CUSTOMIZED SOLUTIONS**
    - ❑ Customizing EMS for specific trains architectures, and purposes different than pure billing





THANK YOU!

**HASLERRail**

**Simone Danieli**

Bid Engineering Energy Metering

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