Energy metering in NSB Persontog

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Electricity metering

- Energy meters in all trains
- Owned by the infrastructure manager (Jernbaneverket)
- Data are sent from the energy meters to ERESS at five minute intervals
- In the case of a defect meter, the energy consumption is estimated through tariffs set by Jernbaneverket
RASK – A common database

- Train driver app
- TRAFIKK.NSB.NO

- Energy
- Weather
- Train routes, passings, causes
- Passenger counting
- Maintenance

RASK

- Station register
- Train products
- Rolling stock
- Personnel
- Diesel

General analyses tool for NSB, including energy efficiency
Diesel metering

- No energy meters
- Diesel consumption is metered at the filling stations
Responsibility

- Energy meters are owned by Jernbaneverket
- Mantena is responsible for maintenance
- NSB is responsible for taking the trains out of service
Our challenges

Data quality and maintenance routines

- Data quality labelling
- Maintenance manuals
- Error reporting