



Customer

NedTrain (www.nedtrain.nl/uk)

Country

The Netherlands

Delivery date

November 2009

Project summary

- Twenty VIRM trains equipped with POSS® on Rolling Stock
- Central server system
- Real-time changes in condition
- Online insight into failures
- Central analysis system
- Specification, design, delivery, installation, commissioning, guarantee and support of hardware and software

POSS® on Rolling Stock

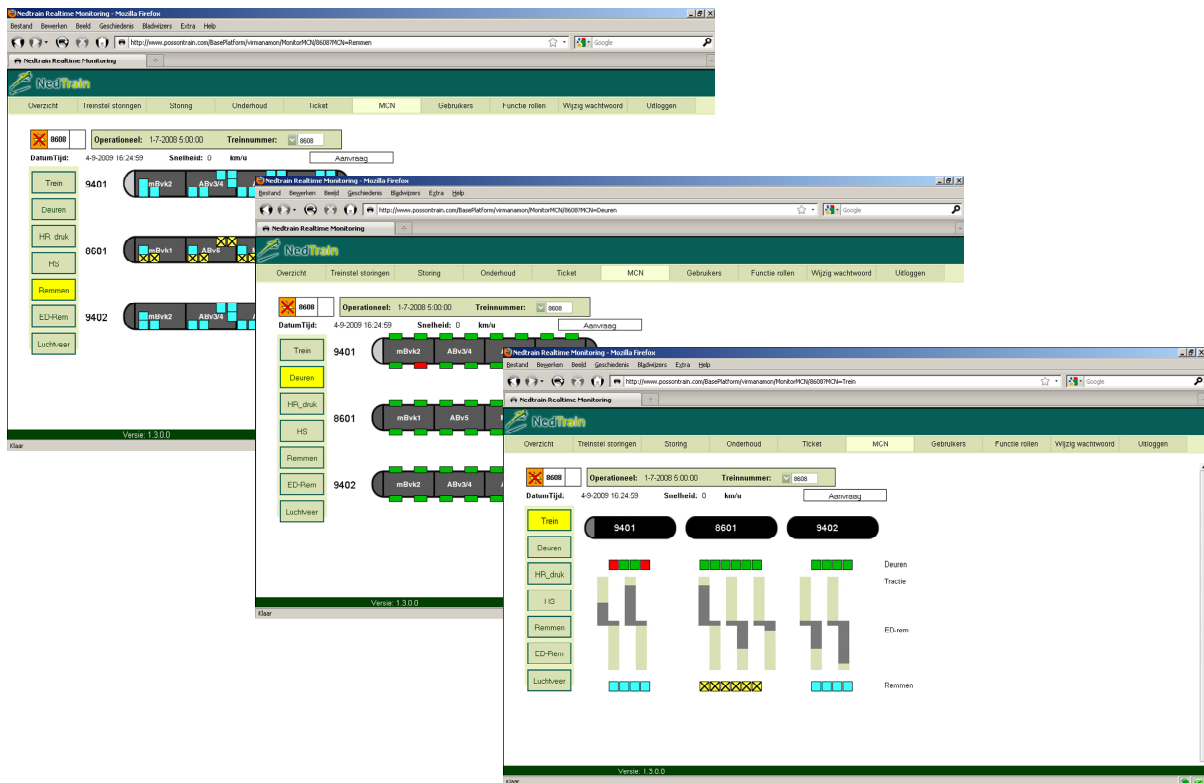
Improved availability of trains owing to real-time communication

POSS® on Rolling Stock is a set of application and hardware modules enabling the online and real-time availability of vehicle data. These modules can be used for streamlining maintenance processes. Strukton has equipped twenty double-decker intercity trains of the Dutch Railways with this new system. The customer is NedTrain.

Advantages of POSS® on Rolling Stock

- Improved availability of trains by preventing unscheduled maintenance
- Reduced train repair times through early analysis of the causes of problems that may appear
- Central server system providing web access to real-time data concerning failures and changes in the condition of objects
- Central analysis system to improve maintenance processes of trains
- Specification, design, delivery, installation, commissioning, guarantee and support of hardware and software





Efficiency improvement

POSS® on Rolling Stock gives an efficiency boost. The maintenance information that is present in the train is normally only available in the workshop. POSS® on Rolling Stock makes the data in real time available for maintenance mechanics and project managers on shore. This enables the workshop to prepare the maintenance work and gear all activities to one another. The real-time availability of train data makes it possible to react proactively to the status of coupled train systems. Maintenance companies can optimise their planning, order required spare parts and call in mechanics. Waiting times can be reduced as a result and part of the failures can be prevented or repaired. Naturally, this asks for a good analysis of the data; POSS® Analyst has been developed for that purpose. POSS® Analyst offers the possibility to run extensive queries with data received. POSS® Analyst can also couple external data files and thus improve the analysis.

Condition-based maintenance

In addition to retrieving the cause of failures, POSS® on Rolling Stock also contributes to the optimisation of maintenance management. Based on the received data and the analysis made, maintenance can be better geared to the actual use of vehicles.

