

Customer

Rotterdam Elektrische Tram (RET)
(www.ret.nl)

Location

The Netherlands, Rotterdam

Date of delivery

February 2003

Summary

Design and realisation of:

- Schedule input and processing
- Dynamic calculation of waiting times
- 250 displays

Communication systems

System management and maintenance

Operation and control

Design & installation of hardware / software

Commissioning and testing

DRIMS Rotterdam Metro

DRIMS is the dynamic passenger information system for the metro. As system integrator, Strukton Systems was responsible for the system's design and realisation, including project management, basic and detailed engineering, procurement, installation, testing and operational start-up. For the Rotterdam Metro, Strukton Systems installed 150 multi-line platform displays and 100 standard concourse displays in the different metro stations along the Erasmus and Caland Lines.

In addition to the installation and realisation of the necessary control and application software, Strukton Systems also took care of the design and creation of aesthetically pleasing suspension structures for the displays. Also because of this, the displays delivered now form an architectural whole with the surrounding environment. A service and maintenance contract was closed simultaneously for the project.





Information

At each station, updated next-metro times are displayed in the concourse and above the platforms. Changing departure times caused by delays, for example, can be registered and compared with the scheduled times. The new, updated departure times are calculated and the expected departure times are sent through to the displays at the remaining stops. Apart from application software, the system consists of extensive testing and diagnostics functionality.

This enables the customer RET to analyse the operation of the infrastructure and display systems without having to maintain a physical presence. For dynamic behaviour, the system uses location identification, transmitted via TCP/IP Ethernet to the Strukton environment through the traffic control system. Based on various vehicle detection units, the schedule and different system parameters, reliable forecasts can be made of the train service throughout the metro system.

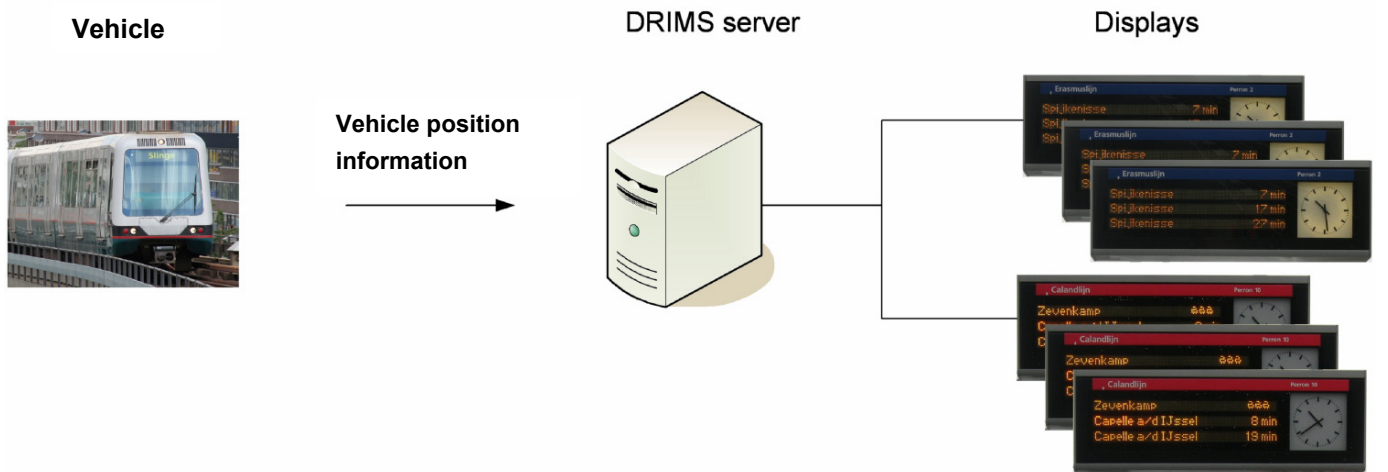


Illustration of DRIMS operation

