



### Customer

ProRail  
([www.prorail.nl](http://www.prorail.nl))

### Location

Utrecht – Eindhoven, the Netherlands

### Date of delivery

August 2009

### Project summary

- System and Web application design and start-up
- Installation, connection and configuration of the systems
- Integration with POSS online website ([www.possonline.nl](http://www.possonline.nl))
- One-year maintenance period

## POSS monitoring of Level crossings

Strukton Systems created a new application within its existing online diagnostic monitoring system (Dutch acronym: POSS). In addition to monitoring the behaviour of point switch setters, rail relays and axle counters, the system keeps tabs on how long a level crossing is closed for.

The new application on the existing POSS website ([www.possonline.nl](http://www.possonline.nl)) clearly presents the number of movements, closing times and the average closing time per hour for each level crossing. An alarm is activated for very short or very long closing times. The measurement data can be downloaded as an Excel file for further analysis.



By setting maximum and minimum values for the measurements, the website can be used to indicate which level crossings require closer attention. Examples here could include closing times that are too long or too short. In addition to signalling malfunctions, the system is ideal for monitoring train intensity at level crossings. This clarifies how long and how often a level crossing is closed. This immediately clarifies the impact of train traffic on road traffic.

Based on the generic POSS platform, Strukton Systems can provide customised solutions within a short space of time. Strukton Systems designed and launched the new Web application within weeks and installed and initiated operation of the measurement systems at 25 locations. The system can now easily be expanded to measure, analyse and report on more contacts at each level crossing.

