

PSItraffic/Regio: Intermodal Transport Control System for MoveOn Telematik Service GmbH



The user

MoveOn Telematik Service GmbH is a subsidiary of Bayerische Oberlandbahn (BOB) and Bayerische Regiobahn (BRB). Both companies are part of Veolia Verkehr GmbH.

BOB links Munich via Holzkirchen with Lenggries, Tegernsee and Bayerisch Zell. BOB's dividing-trains concept, in which several coupled motor train sets start out together from Munich and are then divided to reach various destinations, offers passengers continuous through-connections to all parts of the network. BOB carries around 15,000 passengers a day and travels about 1.7 million track kilometres a year.

BRB runs the main part of the local system, similar to a suburban service, in and around Augsburg. Its traffic operations in the Augsburg area cover around 2.7 track kilometres a year.

The task

In spring 2009 PSI Transcom GmbH was commissioned by MoveOn Telematik Service GmbH to supply an Intermodal Transport Control System customizable for multiple clients.

The control system integrates the two companies, BOB and BRB, as equal clients in one system. A possible extension is envisaged to bus services

and will be assured through the solution supplied by PSI. To incorporate further Veolia transport companies, or even outside companies, into the operator model without discrimination, the solution and the interfaces have been given an open design and can therefore be extended easily.

The introduction of the PSI control system will permanently improve information flows, both within the transport companies concerned, and between the companies and their passengers. All operating procedures will benefit from this, especially

- **Passenger information**, through error-free data supply
- **Punctuality**, through comprehensive monitoring of traffic status and rapid reaction times in case of breakdowns
- **Reliability**, by ensuring well planned and well communicated connections
- **Communication**, through reliably available communication infrastructures
- **Breakdown management**: a wide range of functions will facilitate rapid reaction while at the same time providing passengers with comprehensive information, both in-train and outside, the latter via DEFAS FGI Bayern (comprehensive electronic passenger-information and connection-assurance system)

The solution

The PSI solution focuses particularly on the complex working undertaken by regional rail-transport companies. During the entire time they are in operation their motor sets must be supplied with up-to-the-minute data and passenger information in accordance with their destination.

Along with wide-ranging operational-control and breakdown-management functions, it is intended to establish interfaces with DEFAS FGI Bayern, which will be supplied with currently updated arrival times.

The benefits

An objective common to all the transport companies in this region is to supply homogeneous and precise passenger information and to ensure that passengers can make their connections without fail. Precise tracking of train, timetable and passenger information makes it possible rapidly to identify, communicate and resolve problems involved in guaranteeing passenger connections. Optimised planning and traffic management, and targeted linkage between different traffic carriers, makes it easier for passengers to change between services and to use all means of transport in successful combination.

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