

IVU at TRANSDEV

INTEGRATED RESOURCE PLANNING FOR BUS AND RAIL



INITIAL SITUATION

Transdev GmbH is the largest private public transport provider for German rail and bus services, with over 30 bus companies and numerous regional rails throughout the entire country – from the Nord-Ostsee-Bahn in Schleswig-Holstein to the Bayerische Oberlandbahn in Bavaria. Vehicles and personnel were previously planned and dispatched in a decentralised manner using various locally installed systems (partly manually in Excel): which posed a considerable amount of work due to the almost identical or very similar business processes.

OVERVIEW

Employees	5,352 employees, 45 subsidiaries
Vehicles	332 railcars, 24 locomotives, 20 trams, 1,410 buses
Transport services	Annually 240 million passengers, 40.3 million train kilometres, 74.9 million bus metres (updated: 2013)
Divisions	Revenue transport on rail and streets, occasional transport, school services and charter services
Objectives	Integrated planning for bus and rail services in a single system, reduced costs and resources via optimisation
Special features	Central system and central IT infrastructure for all associated bus and rail companies



RAIL NETWORK TRANSDEV IN GERMANY
 (Updated 12/2014)

OBJECTIVE

Transdev would like to replace the current, decentralised resource planning systems of the many bus and rail companies in its consortium with a central system. Using centralised operations and depicting all planning aspects for bus, tram and rail transport in one standard software solution should make it possible to deploy resources optimally and thus reduce costs.

SOLUTION

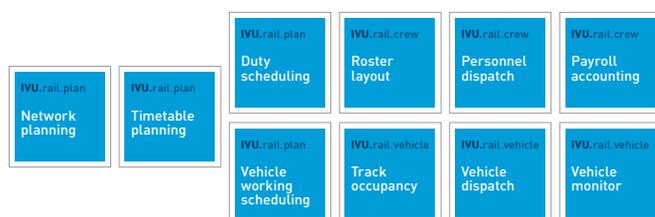
Transdev decided to replace the heterogeneous legacy systems with IVU's standard software solution: IVU.suite (for bus transport) and IVU.rail (for rail transport). Thanks to its standardised interfaces, it was possible to integrate the software into the existing system landscape without any problems. The new integrated system makes it possible to define working processes in a uniform and transparent manner for all companies and to centralise the technical operations. System changes and configurations can be made centrally and then rolled out afterwards. The planners and dispatchers at Transdev profit from automation and optimisation tools, which help to plan

everyday operations, in addition to helping with the numerous tenders in the fields of public transport and regional rail transport.

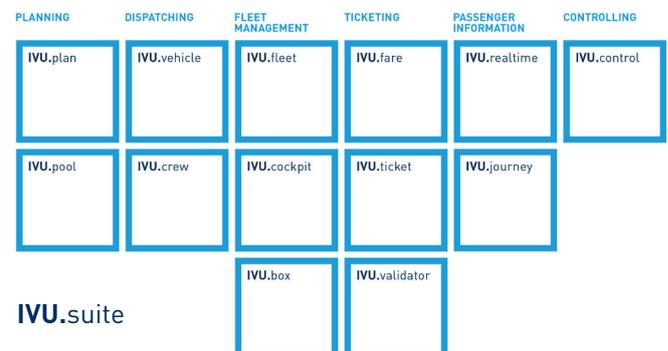
RESULT

By standardising the software solution and centralising operations for bus and rail transport, Transdev was able to significantly reduce the costs spent on operations and coordination. IVU's software replaced the partly manual planning and now provides for a transparent planning process with a constant flow of data. The harmonisation of the planning processes that was achieved by introducing this system allows for employees to be deployed in a flexible manner. Because this is a central system for all bus and rail operations, only one interface had to be created for each peripheral system when integrating it into the existing system landscape at Transdev. Last but not least, thanks to the support from IVU.plan, Transdev GmbH has been able to incorporate optimisation components in multiple tenders and thus win over new transport services.

INTEGRATED SOFTWARE FOR BUS AND RAIL



IVU.rail



IVU.suite