

Project Note

# Management system for rail goods traffic

A new management system provides optimum support for goods wagon management. In this project, Zühlke provided a subsystem, which users accepted immediately because of their intensive involvement in the project.

**Task**

SBB Cargo fundamentally changed its operational processes to optimize goods wagon management and open the way to new business models. For this purpose, it teamed up with different partner companies to develop NWM, a system for the management of goods wagons. With NWM, commercial aspects are also directly integrated in the management system. This approach gets customers more deeply involved in business processes.

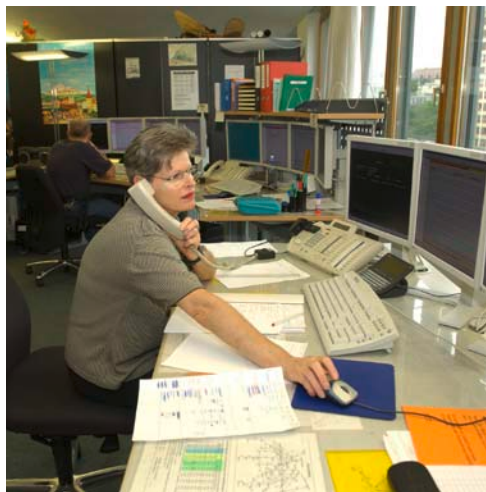
**Implementation**

Zühlke planned and developed the subsystem NWM Local for operation by staff at more than 800 Swiss train stations and several foreign train stations.

The project team conducted extensive interviews with staff at goods stations to determine their needs. The findings from these interviews were incorporated in the project in the areas of requirements and usability. The web application was developed in an iterative process and was soon available as a training system. Zühlke worked closely with the customer during rollout. From that point forward, the status of all wagons was shown in NWM Local, which provided a much better overview of the situation and increased operational efficiency.



 SBB CFF FFS Cargo



**Technical Data**

Development with RUP

Architecture: J2EE  
Struts, JSP, JavaScript,  
SessionBeans, MDB,  
Oracle9i mit TopLink

Tools: WSAD, CVS

Application server:  
IBM Websphere

Messaging Platform:  
IBM Websphere MQ

Target platform: Linux

**Customer benefits**

- **Innovative software:**  
The software co-developed with Zühlke provided a clear picture of wagon use across the entire logistics process. SBB Cargo can now manage its wagon fleet more efficiently.
- **Success through flexibility:**  
The iterative and incremental development process used by Zühlke allowed the team to respond flexibly to any changes that occurred during the project.

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