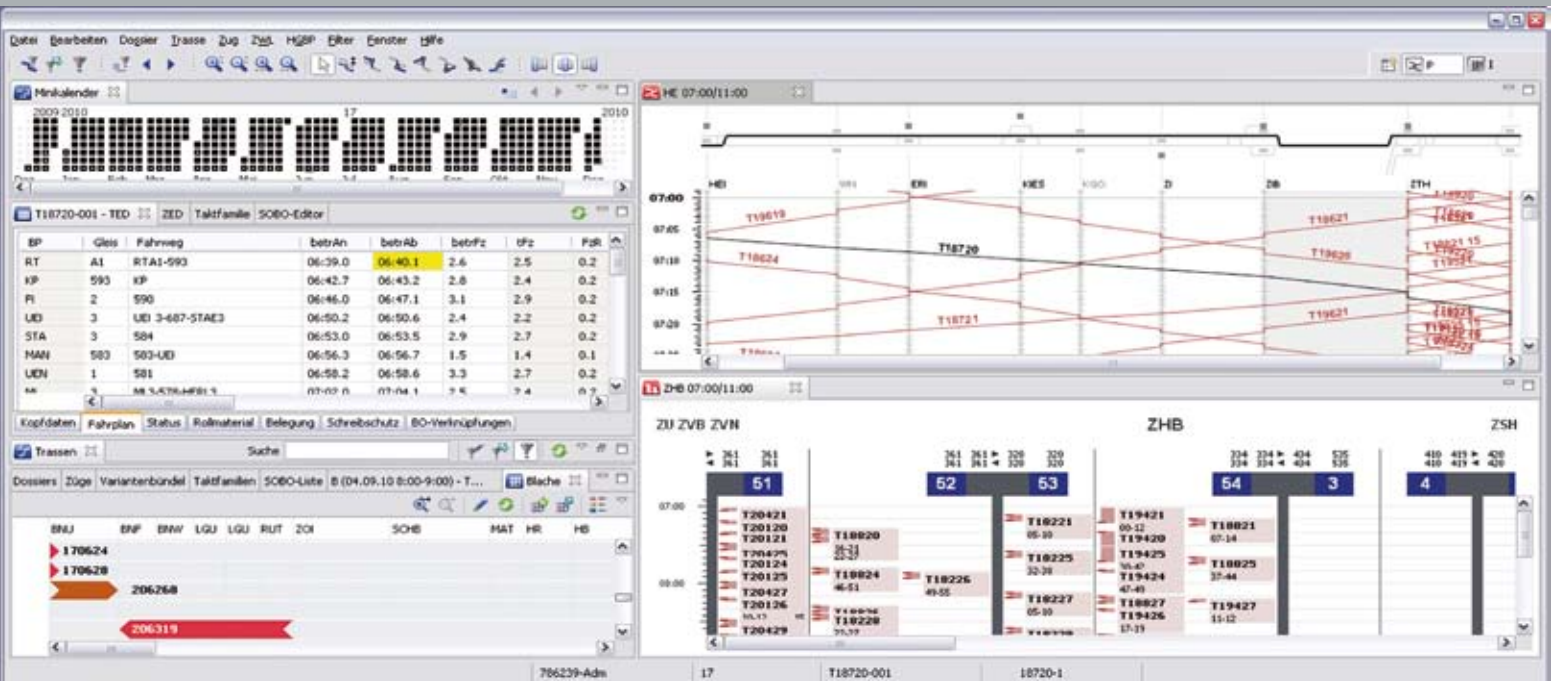


# Track Management System Planning Tracks and Trains efficiently



Together with its partners Ergon, Nose, and one of Europe's leading railways, Netcetera has developed a modern and innovative Track Management System, which allows the efficient and versatile management of both tracks and trains. The system provides table-based and graphical tools for the planning effort, both for annual and on-demand planning. These integrated tools support the planning phase and the collaboration between different experts in a very convenient manner, as they provide all necessary information in varying levels of detail depending of the chosen view. The system is based on a service-oriented architecture, which allows for straight-forward integration with additional systems, e.g., providers of network infrastructure information, run time calculators, or rolling stock data providers. The open architecture and state of the art technologies guarantee flexibility for future development and long-term maintainability.

## Features

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### Train Graph with Integrated Route View

Location and time establish the coordinate system where tracks and trains are graphically displayed. At the same time, the schematic view of the current route is displayed.

### Occupation Diagram

The current allocation of the platforms in the network nodes is managed with the occupation diagram, which is available for every station (or, more generally, operation point) and manages all allocatable platforms in that node.

### Track Editor

Displays all relevant data with respect to a given track (both view and modification access are controlled based on the user's role) and allows the editing of this information, which is organized in various tabs for clarity.

### Train Editor

Similar to the track editor, the train editor provides detailed access to all the information pertaining to a given train. Likewise, viewing and editing of data is controlled by the user's access rights and the information is also grouped in various tabs.

### Rolling Stock

Allows the selection and management of rolling stock attributes.

### Train Families

This tool creates, organizes and manages geographically similar racks with their regularities throughout the day (e.g. half-hour or two-hour frequency).

### Alternatives and Alternative Sets

Allows the definition and organization of various planning alternatives.

### Calendar of Operation Days

Allows the management and editing of the operation days of one or several tracks. It includes the planning period, the operational days, the holidays, eternal periods and favorites. Information is stored historically to allow the comparison with earlier settings.

### Day Group Calendar

Provides an overview of current and future deviations in single days as compared to the relevant day group, both with respect to a single track or track family.

### Dossier

Organizes the work-at-hand in a readily accessible structure.

### Filtering, Sorting and Favorites

The filter is a powerful instrument to reduce the display of data volume in order to isolate the task at hand. Favorites give access to frequently used data, while search helps to quickly find relevant data.

### Personalized View Settings

All tools within the Track Management System can be organized according to the users needs. Tools are organized into so-called perspectives which give instant access to the commonly used features within that perspective.

## Technologies

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- Eclipse RCP

## System Requirements

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### Desktop

Windows XP (other operating systems can be supported), 2 GB RAM, Dual-Screen-Card and two high-definition monitors

### Server

- IBM Websphere v6.0 (or a similar application server)
- Oracle 10 Database

## Interfaces

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- Network Topology
- Rolling Stock
- Run time calculator
- Track and train data export (all data, or changed data, or selected data)
- PDF print (Path-Time and allocation diagrams)
- Reports in various formats (PDF, CSV, XLS, Mail)

## Contact

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