



Planning GUI of Transport & Route Management

Transportation & Route Management – Cheaper, faster and sustainable

With Transportation & Route Management from Siemens your company will be more cost-efficient as well as faster and greener. This 'best of breed' software from Siemens supports the optimization of the operational route planning process. The software automatically calculates the cheapest, fastest and most efficient route. Incoming new orders can be coped with automatically through reassignments and rerouting during delivery. The expandable and modular software can easily be adapted to customer requirements.

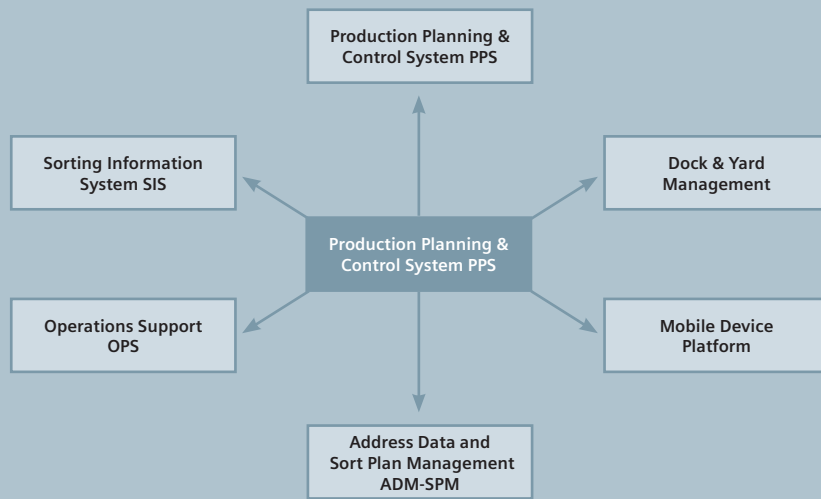
Transportation & Route Management combines interactive planning concepts, mathematical optimization algorithms and up-to-date web and mobile technologies into a modular integrated planning and monitoring system. It enables customers to reach streamlined and efficient processes for planning, execution and control of all transport activities in a single system.

Core features are:

- Automated, half-automated, and manual real-time vehicle routing and dispatching
- Integrated geographical information system
- Digital maps
- Telematic services such as communication with mobile devices, e. g. mobile phones or navigation systems.

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Good reasons for Transportation & Route Management

- Reduction of operational cost through:
 - Lower fuel consumption, due to more efficient and optimized routing
 - Increase in efficiency of delivery
 - Increase of planning efficiency
- Increase of quality through:
 - On time delivery and pick up
 - Fast reaction to changes in the order situation
 - Increased visibility of all actions and events
 - Forecasting and simulation system

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Software Components / Functions

- Vehicle Routing and Scheduling Increases efficiency and visibility of transport processes
- Web Communication Enables schedules to be displayed on PCs or laptops, but also on mobile devices such as MDAs and on mobile phones.
- Telematic Services Extension module for real-time monitoring of plan execution. Current position data of drivers, service or sales staff can be transferred

Functionalities

- Automated, half-automated, and manual vehicle routing
- Integration with Siemens Network and Sorting Center Suite
- Alternative route optimization settings (e.g. node oriented with simultaneous pickup and delivery)
- Supports undo and redo of planning operations
- Enables easy 'what-if' analysis for both operational and tactical planning
- Import and export interfaces

- Route calculation with consideration of:
 - Multiple depots, multiple vehicle types
 - Vehicle utilization times
 - Categories and priorities of orders
 - Customers opening times
 - Time windows for orders
 - Regulations of driving times
- Optimization of master routes based on historical data
- Web portals
- Telematic services
 - Support of Navigation systems
 - Vehicle location via GPS and forecasted arrival times
 - Subsequent route evaluations
- Digital tachograph
- Reports to support further planning actions

Siemens AG
 Industry Sector
 Mobility Division
 Infrastructure Logistics
 Postal Automation
 Bücklestr. 1–5
 78467 Konstanz, Germany
 Phone: +49 7531 86-01
 Fax: +49 7531 86-2421
 E-mail: postalautomation.industry@siemens.com

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