Minimizing Construction Impacts on Train Operations

HaCon’s TPS Track Works solution helps to reduce train disruptions and delays caused by track construction works. It enables users to manage all construction sites within their network using one single software. This makes your operations even more effective!

From strategic planning several years in advance to the coordination of construction projects: TPS Track Works helps to simplify all processes and, at the same time, to schedule operations in a way that minimizes negative impacts on train operations and travelers.

TPS Track Works supports in calculating anticipated delays and, as a multi-user application, provides all stakeholders with an integrated view of current projects – from your employees to external contractors requesting network access. It features an intuitive GUI that facilitates a clear allocation of competencies as well as defining comprehensive workflows.

Microscopic Localization
Benefit from precise plans of the railway network down to details such as signals and overhead wires that let you exactly define the locations of construction sites.

Modern Web Interface
Featuring interactive maps and visualizations as well as responsive design for tablets, TPS Track Works allows for a multitude of stakeholders to access and work on all details of a project from various locations.

Highly Customizable
Procedures and responsibilities can be adapted to your organization’s individual processes – role-based access rights for each object attribute can be flexibly defined.

Simple Synchronization
TPS Track Works can be easily synchronized with your databases for timetable and infrastructure data. Planned track construction works can be fed back to your timetable system as infrastructure restrictions.
About HaCon

HaCon provides cutting-edge software solutions for public transportation, mobility and logistics. Our three business units, HAFAS, TPS and Consulting, provide more than 370 highly qualified specialists and 35 years of experience for your success. Since 2017, HaCon has been a member of the Siemens family. From trip planning to mobile ticketing and fleet management; our HAFAS product suite covers all aspects of Intelligent Transportation Systems and creates the ultimate end user experience; this is why our software is considered the highest industry standard for trip planning throughout the world and prompted the Massachusetts Institute of Technology (MIT) to honor HaCon as one of the “50 Smartest Companies” worldwide. HaCon’s TPS solutions for train planning and capacity management enable network providers and operators to make the most of their infrastructure. For more specialized projects, our consulting team empowers our clients to manage complexity with ease and offers customer-specific solutions for rail freight and combined transport. Headquartered in Hannover, Germany, HaCon also holds offices in Berlin, Paris, and London.

TPS Track Works at a glance

- Web-based application
  » accessible with any browser from any location
  » simplifies software deployment
- Integrated view for different stakeholders
  » all involved parties can see planned track construction works
- Comprehensive definition of workflows
  » clear allocation of competencies
- All operations in one system
  » coordination of short- with long-term track construction works
- Microscopic localization
  » improved quality of track work planning
- Modern and interactive web interface
  » responsive design for tablets
  » customizable interface
  » interactive maps and visualizations

A central objective of TPS Track Works is to safely plan track construction works while minimizing impact on train operations. All stakeholders of a project are able to access detailed visualizations of the network that help them to identify the perfect timing for operations and to match them with other measures.