



## Effective Real-time Traffic Management

HaCon's TPS solutions for train planning and capacity management enable network providers and operators to make the most of their infrastructure and significantly improve their work and business processes regarding operative timetable planning and real-time dispatching.

TPS Online, the new member of the TPS family, has been developed specifically for ad-hoc train dispatching that controls and optimizes everyday rail operations. Short-term disruptions such as delays, broken shunting points or signaling systems can be processed in real time. TPS Online detects conflicts that have an impact on the entire railway network and offers automatic, semi-automatic, and manual conflict resolutions. As a result, dispatchers can now immediately respond to disturbances, for example by advising trains to wait for each other, by redirecting them or by scheduling a change of track.

### Enhance Your Services

Timetable- and forecast-based conflict detection and resolution help you improve train regulation and operation while reducing delays, costs, and dispatcher intervention.

### Bridge the Automation Gap

Dynamically calculated train forecasts based on real-time train data bridge the gap between trackside and on-board train control, providing ATO-TS target times to ATO-OBUs.

### Tailored to Your Needs

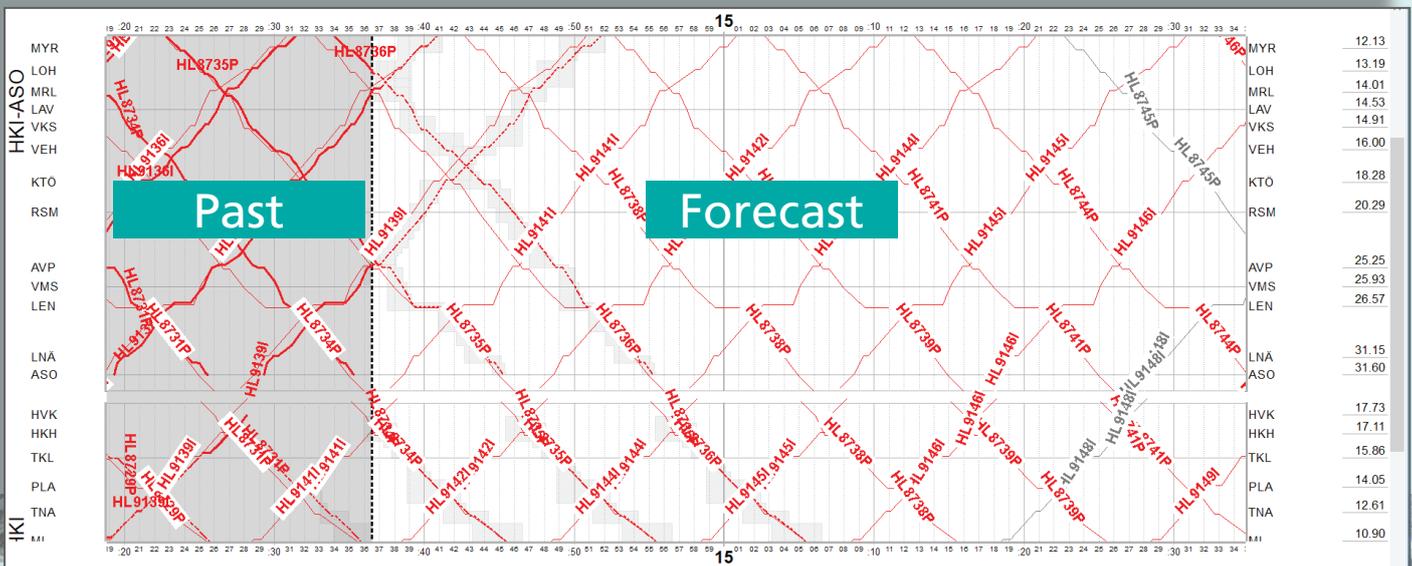
Highly flexible and configurable solution for real-time train dispatching, providing several automated interfaces (e.g. web services) and thus optimally interacts with other systems. Customer-specific functions can be easily integrated. This way, the software perfectly adapts to existing IT infrastructures.

# TPS Online for Finland

The Finnish Transport Agency, Liikennevirasto, was one of the first customers to opt for TPS Online. As infrastructure manager in Finland, Liikennevirasto is responsible for the rail network as well as roads and waterways. Now, they look forward to meeting all the requirements of effective short-term traffic management with TPS Online.



In the time/path view (Graphical Timetable), dispatchers can see the current situation of the entire rail infrastructure, including real-time train information and a forecast for further train runs, allowing short-term changes to be easily made. ↓



**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 350 highly qualified specialists and more than 30 years of experience for your success. From trip planning to mobile ticketing and fleet management; our HAFAS product suite covers all aspects of Intelligent Transportation Systems (ITS) and creates the ultimate end user experience. Each day our apps and web-based solutions receive over 100 million requests from passengers who rely on HAFAS to empower their mobility choices; 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. Since 2017, HaCon has been a member of the Siemens family. Headquartered in Hannover, Germany, we also holds offices in Berlin, Paris, New York and London. Visit us at [www.hacon.de](http://www.hacon.de).



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