Wabtec's Digital Solutions

Precision Dispatch System

Enhance productivity and safety by automating train operations and reducing operating costs

Railroads can leverage next-gen technology and centralized data sources to automate their operations and reduce maintenance and operating costs.

The **Precision Dispatch System** (PDS) is the command-and-control system at the heart of railroad operations. PDS is designed to safely and efficiently move trains across the rail network in both signaled and dark territory, provide full visibility of network conditions, and monitor all devices in the network. By analyzing data coming from all rolling stock and wayside device assets, the Precision Dispatch System can also run advanced analytics to enable preventive maintenance and reduce recovery operations, all from one integrated advanced user interface.

PDS is integrated with all the flavors of PTC. It currently interfaces with both the Wabtec and Siemens BOS (Back Office System). The system supports PTC ICD Version 6 and Version 7.

Advanced automation through end-to-end electronic delivery of mandatory directives and automatic implementation of authorities in dark territory for more efficient operations, allowing the user to control more territory and lower the operating costs.

Precision Dispatch Quick Facts

- Deployed at two North American Class I railroad operators
- Integrated multiple dispatch functions from one user interface
- Full integration with positive train control (PTC)
- Full integration with movement planner
- Centralized service-based architecture
- Mobile client interface for maintenance from the field

Outcomes & Benefits

- Reduced operating costs
- Increased productivity
- Preventive maintenance of network devices and tracks
- Improved cybersecurity

The result
Automated dispatching operations that eliminate human error. Reduced maintenance and operating costs. Safe and efficient rail operations.

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