

MOBILE OPERATOR TERMINALS FOR DEPOT AREA

Controlguide TrackOps Depot

Controlguide TrackOps Depot is a solution integrated in our Controlguide Ittis N traffic management system that enables local control of depot areas. By using mobile devices, the responsible staff see the operating status of the depot track systems and can request shunting routes and switch points directly on site.

The Controlguide TrackOps Depot control system allows the operational processes in depots to be processed in a streamlined and transparent manner. Seamless integration in our Controlguide Ittis N traffic management system ensures optimum coordination between the dispatcher in the operations control center and the foreman shunter on site. Meanwhile, the improved overview of the operating situation enhances the safety of personnel working on the track.

Initial situation

Coordination of shunting operation between the foreman shunter on site and the dispatcher in the operations control center typically requires circuitous communication. Personnel working on the track often lack a complete overview of operations and different systems were used for shunting and passenger traffic. Now with Controlguide TrackOps Depot, shunting movements can be operated locally with our Controlguide Ittis N traffic management system, thus simplifying operation and control significantly.

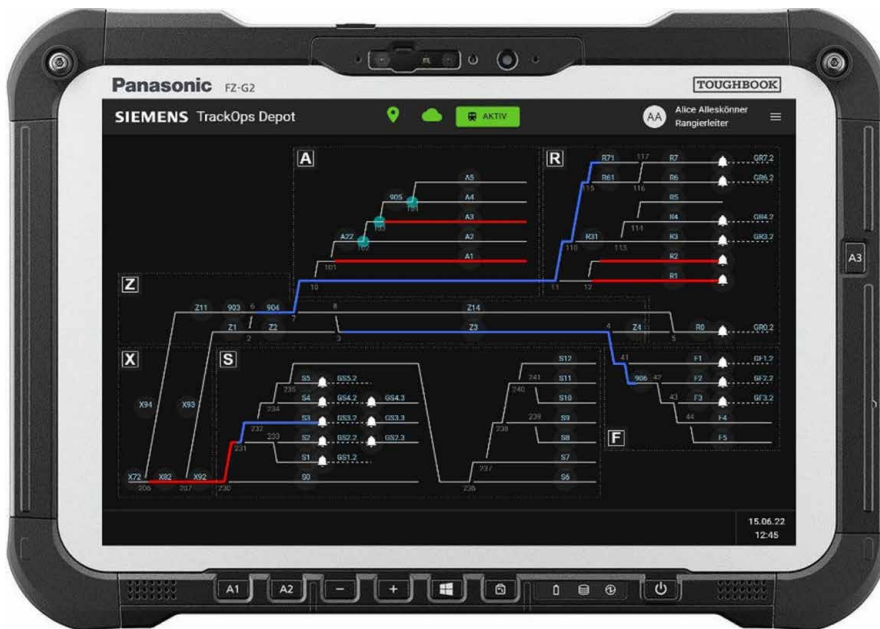
Features

Functionality

- Alternating, local operation by the shunting supervisor and remote operation by the dispatcher
- Operation by means of industrial tablets
- Display of track occupancy in depot area with detail views
- Display and operation of shunting routes
- Display and operation of switches
- Display of status and user information

Requirements

- Controlguide Ittis N Release A66 or later



Controlguide TrackOps Depot can be operated in the field with commercially available hardware.

Controlguide TrackOps Depot in use by Matterhorn Gotthard Railways

The foreman shunter takes on the role of local dispatcher at the Glisergrund depot, managing and monitoring shunting traffic.

Control and display on the stationary and mobile operator terminals are limited to the locally operated Glisergrund zone and are only effective when local operation is enabled at the Glisergrund depot. Parallel operation of multiple mobile operator terminals at the same time allows everyone on the track to view on-going operation.

The control function can only be performed from the foreman shunter's operator terminal; this terminal is active, while all others are passive. However, control can be requested from a passive operator terminal. Only shunting routes can be set at the Glisergrund depot. Main routes cannot be set.

No safety-critical functions are implemented on the depot application server. This means that control and display on the operator terminals are also not considered safe. Consent to shunting is issued on the basis of shunt signals in the outdoor installation.

User Identities can be synchronized with Active Directory of the railway operator.

Glisergrund depot, © Matterhorn Gotthard Railways



Highlights

Cost optimization

Process-optimized development and cost-efficient operation of the product in the cloud

Integration

Solution with holistic replication of the operating situation

Flexibility

Alternating, local operation by the shunting supervisor and remote operation by the dispatcher

Safety

Assurance of operational safety through connection to Controlguide Ittis N and interlocking

Investment protection

Commercially available hardware and software technologies; no additional outdoor asset installations necessary

Future viability

Easy scalability to additional depots and areas throughout the route network

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