

Wabtec's Digital Solutions

Road Remote Control Locomotive (Road RCL)

Road RCL Key Features

- Remote control of heavy haul locomotives in rail yard or main line operations. Able to link to a DP train.
- Allows a single operator to maintain positive control of the locomotive during dismantled inspections and work.
- Allows operator in the cab or on the ground to control train via a handheld operator control unit (OCU).

Benefits, Outcomes

- Increases crew productivity
- Increases automation
- Enables safer, efficient operations
- Enables crew less train movement at loading & unloading facilities

Boost crew productivity, enable safer & efficient railroad operations, increase automation

Road Remote Control Locomotive (Road RCL) is a groundbreaking technology that enables an operator on the mainline track or in a yard to remotely control a train via handheld Operator Control Unit (OCU). Enabled by LOCOTROL® Expanded Architecture (LOCOTROL® XA) platform.

Road RCL increases crew productivity and operational efficiency and is a key enabling technology for railroad industry's path to automation. Road RCL has a wide range of applications for the industry.

Road RCL Applications

Conduct Local Pickups, Drop Offs

A single operator can conduct local pick-ups and drop-offs between origin and destination and set-out bad order cars.

Hump Operations

Mainline power can be used on the hump in the remote control operation thus reducing need for low horse power fleet.

Hostel & Switching Operations

Yard crew member can hostel main line power around the yard, conduct switching operations and build the train for departure.

Retrieve Stranded Trains

A single operator can bring stranded trains into congested yards if the road crews' time expires.

Loading, Unloading

Utilized in loading and unloading operations at mine facilities and bulk terminals reducing use of road crews in slow speed loading and unloading operations.