

# UTILITY TRACK VEHICLE

FOR TRACK AND CATENARY MAINTENANCE



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Harsco Rail's diesel-electric Utility Track Vehicle, for track and catenary maintenance, is flexibility innovated. Modularized traction system, car body arrangement, and work equipment enable simple configurability, while delivering unparalleled performance.

From zero emissions to travel speeds up to 160 km/h, the Utility Track vehicle can be tailored to each customer's unique needs – whether servicing emission-strict metropolitan areas or quickly reaching distant work sites.



## FEATURES

### Modularity

The vehicle can be configured to customer requirements - the traction system, car body, and work equipment are adjustable to the application.

### Performance

The vehicle can be offered with a travel speed of up to 160 km/h. In the diesel-electric configuration, power ratings of the diesel engines can be adapted to the required performance. Providing a maximum of up to 1.000 kW, while being able to offer a system redundancy within the traction system.

### Hybrid Technology

Integration of battery packages with different capacities is possible. The hybrid technology enables the operator to use the vehicle with zero emissions in work-mode. At the same time the battery can be used to enable a Boost-Mode for a short period whenever the extra in power is needed.

### Dual-Mode Technology

The Vehicle can be equipped with Dual-Mode technology, which allows the vehicle to travel with pure electric traction via overhead catenary and switch back to traction via diesel-engine when no overhead catenary is available.

An exceptional power rating of over 1.000 kW enables the vehicle to run with low emissions, while reducing maintenance and fuel-consumption cost. Energy recuperation in the overhead catenary is also possible.

### Environmental Friendly

Focus on environmental-friendly technologies is part of our company DNA. Fulfilling the newest emission standards for diesel-engines (Stage V) and integrating a trendsetting, natural-refrigerant air conditioning system is a matter of course for us.

Additional options are available to further decrease noise emissions.

### Lifecycle Cost

Harsco Rail's focus on state-of-art technologies and control systems ensures operational benefits are passed on to our customers through reduced maintenance cost and lower fuel consumption. The Utility Track Vehicle's smart energy management control system combines different power sources, enabling battery power storage or energy recuperation in the overhead catenary line.



Environmental Friendly



Exceptional Performance



Customized Modularity



Efficient Operating Costs

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## SPECIFICATIONS

Length	24640 mm
Width	2786 mm
Height	Dependent on roof installations
Track Gauge	1435 mm
Max. Axle Load	20 t
Superelevation	200 mm
Min. Curve Radius	90 m
Max. Gradient	40 – 61,4 ‰
Train Protection System	National Train Control System / ETCS 3.6.0
Max. Travel Speed	120 km/h, options: 140 and 160 km/h
Working Speed	0 - 10 km/h
Diesel-Engine	up to over 1000 kW possible
Emission Standard	Stage V
Optional Battery Capacity	Different capacities possible
Optional Dual-Mode Technology	Diesel-Electric and Electric-Electric

Learn more at [hascorail.com](http://hascorail.com)



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