VTG is one of Europe’s leading wagon hire and rail logistics companies, with a fleet consisting of more than 94,000 rail cars. Within the VTG Group, VTG Rail Europe GmbH is the operative unit that manages the leasing business and the maintenance of the approximately 60,000 wagons operated across Europe.

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**ABOUT VTG**

**CONTACT**

Co-financed by the Connecting Europe Facility of the European Union

CEF Action 2018
Strengthening and fostering sustainable modes of transport and supporting modal shift from road to rail is a key objective of the EU Transport policy. Interoperability in rail freight transport is a key issue to guarantee the competitiveness, efficiency and the long-term prospects of success of rail freight development along the TEN-T Core Network corridors.

The Action “VTG Rail Europe status oriented and predictive maintenance” aims to achieve the railway system compliance with the EU directives on rail operability and safety, including compliance with Telematic Application for Freight (TAF) Technical Specifications for Interoperability (TSI), as well as the TEN-T guidelines through implementation of status oriented and predictive maintenance processes for VTG Rail Europe’s rail freight wagons.

The Action consists of equipping more than 10,000 rail freight wagons with sensors and/or wayside monitoring on their safety-related parts, namely brake system, the wheelset and/or wagon overall condition. This represents a considerable part of VTG Rail Europe’s wagon fleet, and a substantial market share of rail freight transport in Europe on all nine TEN-T Core Network corridors.

**ACTION**

**KEY BENEFITS**

- Significantly reduced downtimes of the wagons and therefore increased availability of the fleet for sustainable rail transport
- Simplification of rail transport management as wagons can be easier planned and forecasted for maintenance with less unplanned effects
- Increased safety level through actively controlled repair status and monitoring of the wagons
- Increased network capacity and decreased emissions (CO₂, NOx and noise) through avoided transport to repair workshops
- Increased competitiveness of rail as a transport mode