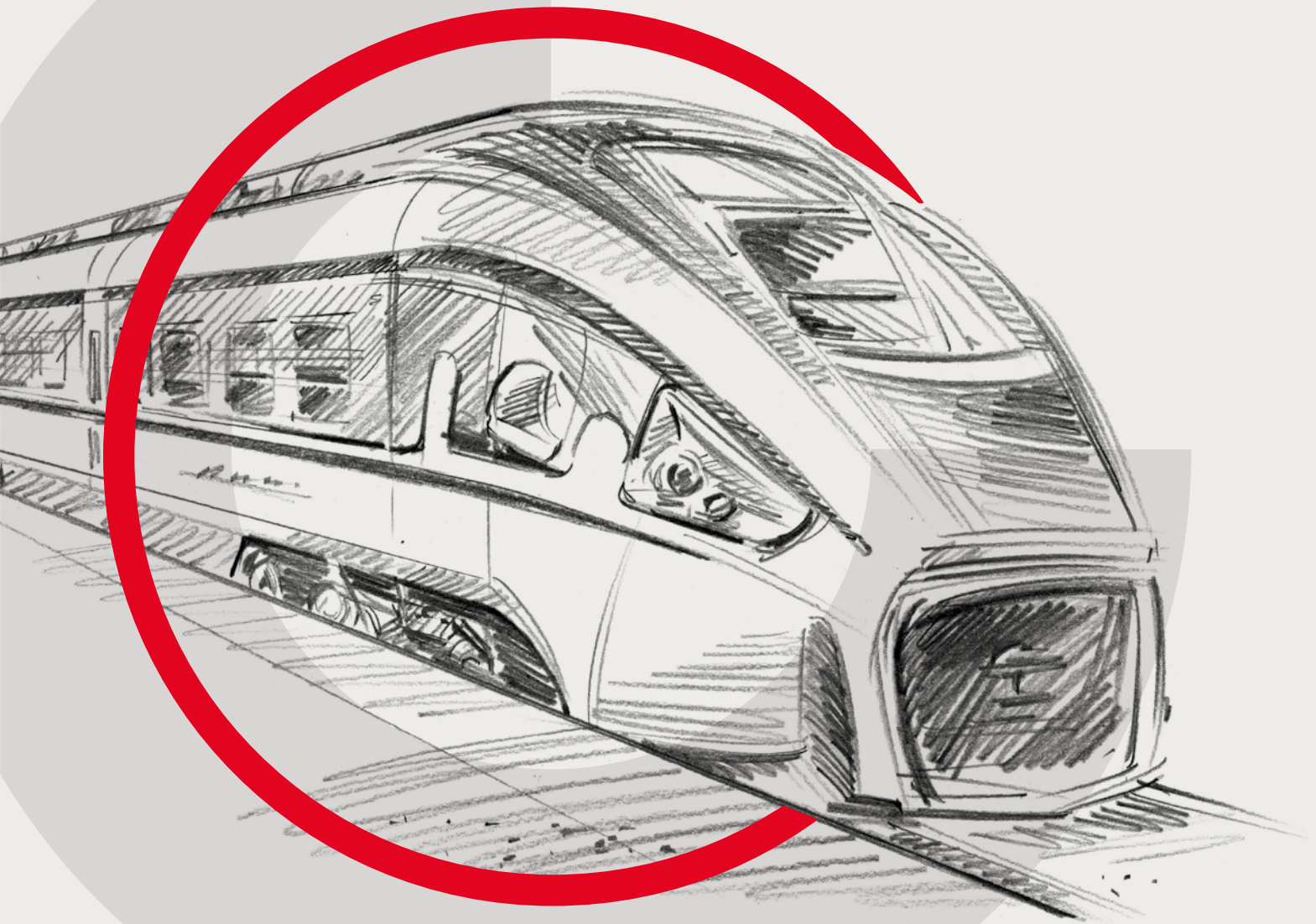




RAILWAY
SOLUTIONS

SANDING SYSTEMS

Tribotec supplies sanding systems for locomotives/EMUs as well as trams/ LRVs. The design of the device is usually individually adapted to each type of vehicle. The sandboxes have their own heating which decreases the sand moisture and helps prevent the sand from freezing. The sandbox can be filled manually or using a filling gun. The amount of sand in the sand box is either monitored by electronic level sensors, or the sand box is equipped with a sight glass to check the level of sand. As a standard, the system is equipped with heated sanding nozzles. We also provide filling flaps in several versions.

Our sanding systems are produced in a number of versions and are also suitable for retrofitting older vehicle types.



APPLICATION

- trams
- locomotives
- EMUs/DMUs
- for new vehicles and retrofits

FEATURES

- variable design
- customized solutions
- simple modular concept
- TSI compliant



TribotEC

WHEEL FLANGE LUBRICATION

TOP-OF-RAIL LUBRICATION

The system operates on the principle of applying an air/grease mixture to the contact areas of wheel flanges and rails. During a greasing cycle, a controlled amount of the mixture is continuously sprayed onto the lubrication point of each wheel flange.

TribotEC's lubrication systems are manufactured in several versions suitable for installation either inside the vehicle or on the vehicle bogie, including low-floor vehicles.

System operation is controlled and monitored in several ways – using the vehicle's master control system, automatically via a dedicated track curve detecting sensor, or as smart adaptive control performed by a GPS system according to the ambient conditions and the track characteristics.



APPLICATION

- trams
- locomotives
- EMUs/DMUs
- for new vehicles and retrofits

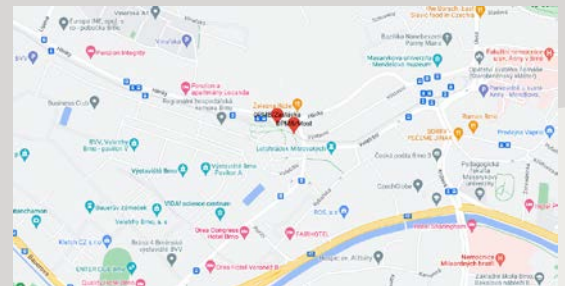
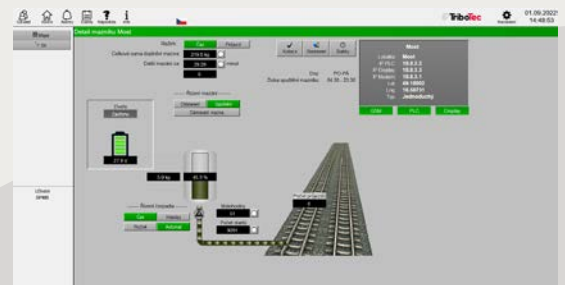
FEATURES

- Tailor-made solutions
- Exact metering,
- Wide range of control modes

STATIONARY TRACK LUBRICATION

Tribotec provides a solution designed for the treatment of the leading edge of the rail as well as for the conditioning of the rail head. The use of these devices reduces rail wear and noise generated by the passage of rail vehicles.

The lubricant is automatically applied to the rail using an application bar that is adjustable to suit most of the commonly used flat-bottom rails. Control of the system is adjustable according to the requirements of the traffic route. As an option, the system may be equipped with a remote-control module that enables setting and control of the device via a web browser.



APPLICATION

- rail/tram track
- leading edge/check rail treatment
- rail head conditioning

FEATURES

- simple design
- wide range of accessories and control modes
- possibility of remote control

REFERENCES

16Ev



18Ev



36T



41T



45T



Flirt Sm7



Eeffliner 1600



EffiShunter 1600



Gamma LF 07 AC



HRCS2



Lajkonik



52T



Smart Artic X34



Smart Artic X54



Swing 122Na



WHO WE ARE

WE ARE A CZECH MANUFACTURER OF CENTRAL LUBRICATION SYSTEMS, LUBRICATION TECHNOLOGY, HYDRAULICS AND SPECIAL SYSTEMS FOR RAIL VEHICLES.

FOR RAIL TRANSPORT WE PRODUCE:

- sanding systems
- wheel flange lubrication systems
- systems for railhead conditioning
- stationary track lubricators for rail curves and rail heads.

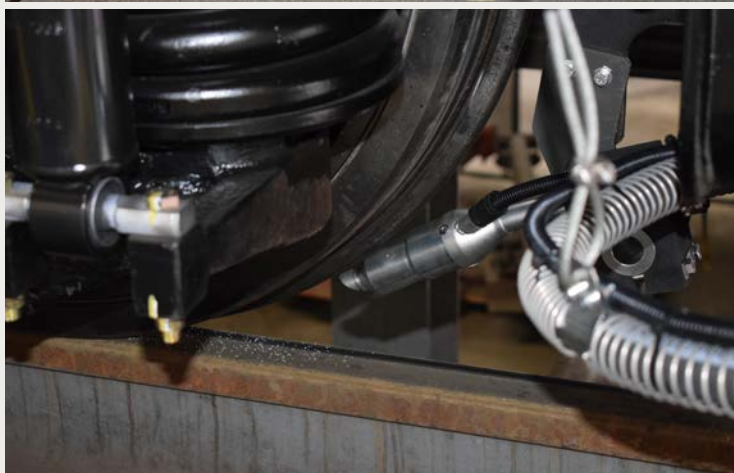
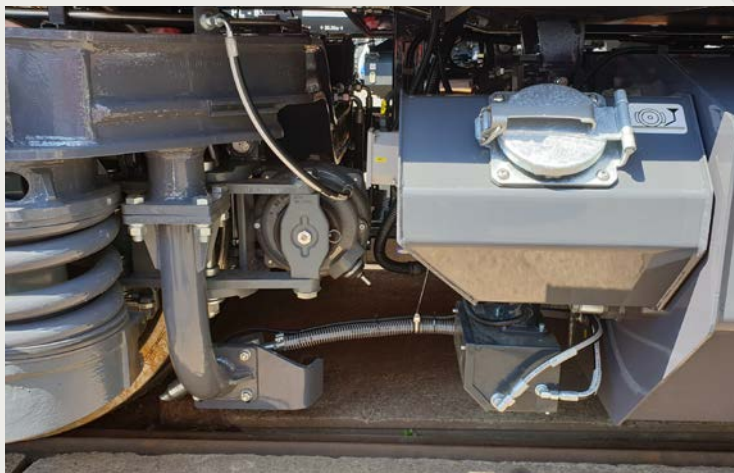
CUSTOMIZED SOLUTIONS are our key strength. Product development focuses on standard solutions that allow a wide range of modifications according to specific technical specifications with low project preparation costs. We offer consultation and advice, including the preparation of system variants according to customer requirements. We also develop and produce technically unique solutions and one-off products that are designed according to the required functional and performance parameters of the equipment.

We provide installation, assembly and commissioning directly at the customer's site. Our after-sales support includes **servicing, preventive maintenance, spare parts supply and consulting.**

Our products for rail transport are certified in accordance with TSI.



SAMPLES OF APPLICATIONS



WHERE WE ARE



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