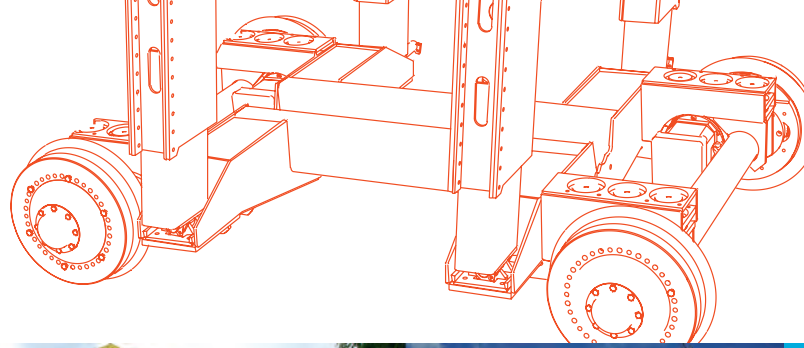




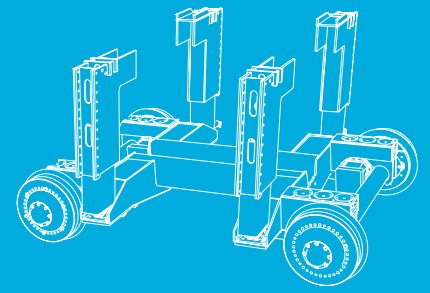
HILTON
KOMMUNAL GMBH



Your specialist for
ROAD-RAIL VEHICLES

...we move ideas on track!

Innovative Technology Quality Customized Solutions



Hilton manufactures state of the art special vehicles based on the renowned Schörling technology on all chassis types depending on our customer's preference. Our company is looking back on a long tradition and experience, which started in 1920 with the first Schörling rail cleaning vehicles. Over the years the product range has been extended with overhead line mounting vehicles, rail lubrication and grinding vehicles as well as tunnel rescue vehicles. In 2009 Schörling Brock was acquired by the Hilton group, which is now continuing the tradition and production of the famous Schörling road rail vehicles under the new company name Hilton Kommunal

our wide range of different rail drive units, is proven by the many customer references around the world who trust in our products and services.

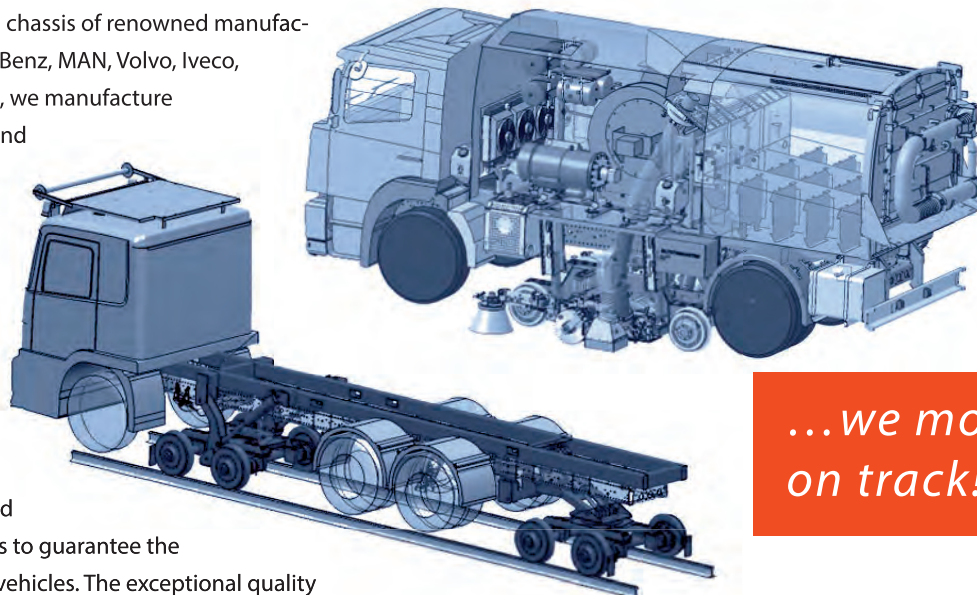
The production of the road rail vehicles is executed from the early development phase until the final delivery by highly experienced professionals. In our production facilities in Gehrden (Germany) and Maastricht (the Netherlands), we manufacture from prototypes up to serial production of our standard vehicles, with state of the art manufacturing and testing machines according the lean produc-



GmbH. Through this acquisition and the synergy effects within the Hilton group, Hilton is one of the market leaders for road-rail vehicles worldwide.

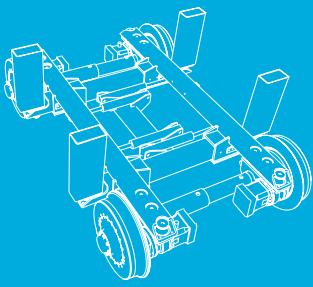
Our vehicles are build on chassis of renowned manufacturers such as Mercedes-Benz, MAN, Volvo, Iveco, Scania, etc.. On this basis, we manufacture special superstructures and rail drive units, which are highly customized and individually tailored to ensure that each vehicle perfectly fulfills our customer's requirements. In our production we use exclusively components of carefully selected and well known suppliers to guarantee the high quality level of our vehicles. The exceptional quality of our catenary vehicles, rail cleaning vehicles, rescue vehicles and

tion principle. The combination of modern production facilities and the extensive experience of our employees guarantee that our customers receive the most reliable and functional vehicles for their daily work on the track.



*...we move ideas
on track!*





Development, Production and After Sales Service

Hilton develops and builds what you need for your track maintenance and installation work. Individually customized vehicles for maintenance and installation of railway tracks, for tramlines, narrow gauge mountain railways or light rail city connections around the world. For each application, we offer the right vehicle tailored to the specific operational use. Thanks to our long experience, we understand our customer's requirements in detail and are able to deliver highly customized vehicles which offer maximum reliabil-

ity at the same time. Due to our modular production method, we are able to configure your vehicle in no time according to your requirements. With hydrostatic or friction drive rail units, different cleaning aggregates, a wide range of platforms, self loading drum carriers, several crew cab and workshop options and many other modules, we offer a large pool of well approved standard modules which we use to design your vehicle. With numerous patents pend-

EN 15085-2 underline the high quality standard of our production. Our service does not end with the delivery of our vehicles. From general maintenance and repairs up to modernization and complete refurbishing of your old Schörling vehicles, our service team is available for you 24 hours per day and 7 days per week. Our service team consists of 10 service technicians who are all fluent in English and who know each detail of the delivered vehicles. In our



central warehouse in Gehrden (Germany) we keep a constant stock of all wear and tear parts for all new as well as the old Schörling vehicles, so that most spare parts can be delivered within 24 hours. At the delivery of new vehicles, our service team also provides extensive training to the vehicle operators to ensure the correct handling of our machines. Besides we also arrange regular training and workshops for the technicians of our customers about trouble shooting and preventive maintenance. All together we offer a first class after sales service during the entire life time of our vehicles, which results in maximum reliability for all our products.

ing, we constantly develop new innovative solutions to further improve our products.

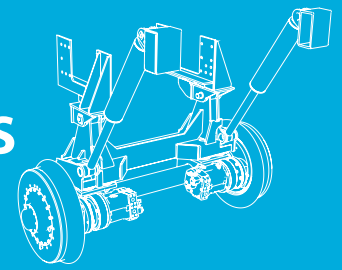


In order to comply with our high quality standards, we set up a quality management system which is approved according to DIN EN ISO 9001:2008. Additional certifications such as the welding certificate according to DIN EN ISO 3834-2 and DIN

EN 15085-2 underline the high quality standard of our production.



Overhead Line Mounting Vehicles

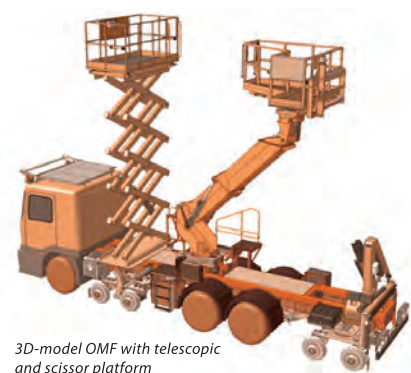


For the installation, inspection and maintenance of overhead lines, Hilton manufactures special vehicles with different superstructures and equipment based on the application field of the vehicle. Telescopic, articulated or scissor platforms, large workshop cabinets or equipment lockers... all kind of variations are possible. Our modular production system includes a wide range of different platforms, different sizes of workshop cabinets, loading cranes, pantograph measuring devices, self loading drum carriers or interchangeable frames...the options are endless. Combinations of telescopic platforms and scissor platforms on the same vehicle are also possible. For tram and light rail vehicles we also offer GRP (=glass fibre reinforced polyester) driver cabins, workshop cabinets and equipment lockers which are 100% corrosion free and delivered with 10 years guarantee. Even 100% insulated GRP platforms are possible.

Additional equipment such as work benches, shelves, cupboards, additional seats and even insulated staff rooms with microwave and fridge can be included.

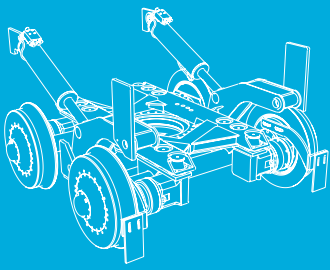
Our special hydraulic leveling system keeps the platform always in horizontal position, even in situations with an extreme rail cant, which guarantees maximum safety.

For railway overhead line work, we also offer the "OMF special 3T long" platform with increased reach and working heights above 14m, which facilitates maintenance work at the top of catenary bars. On standard gauges all our platforms can be operated without outriggers, so that the traffic on the opposite track lane is not disturbed. Even for larger vehicles above 18t a standard railroad crossing provides sufficient space to place our vehicles on the rail due to the rotatable bogies at the rear side.

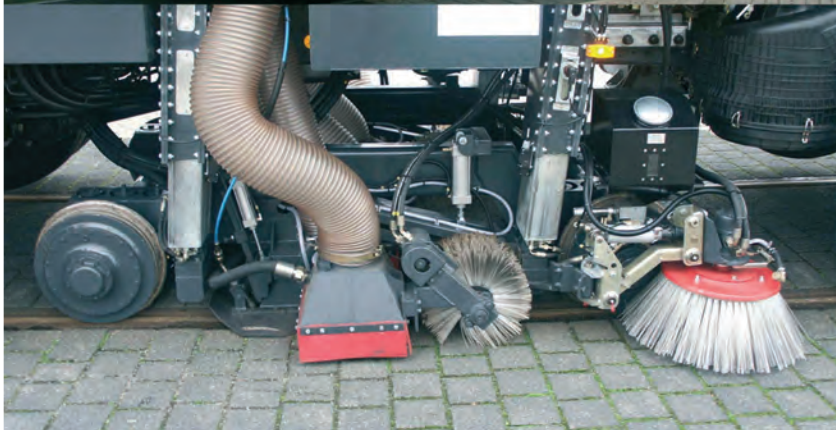


3D-model OMF with telescopic and scissor platform





Rail Cleaning Vehicles

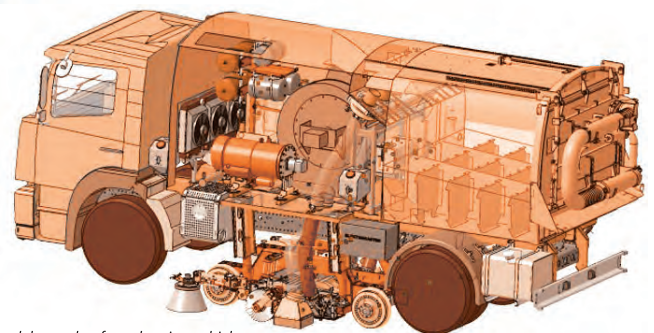
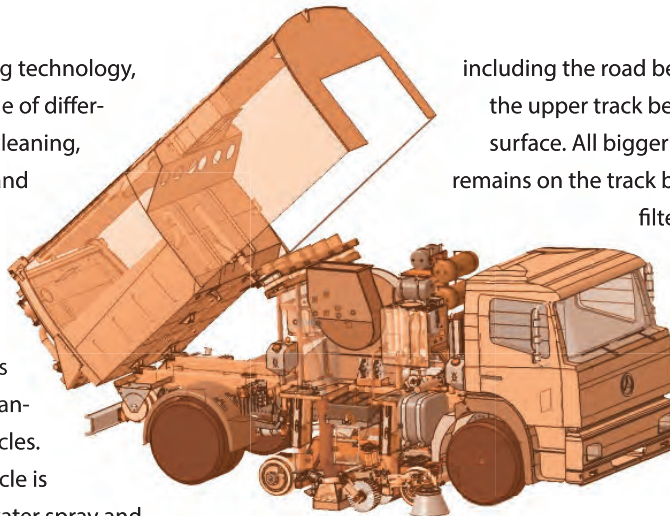


Based on the renowned Schörling technology, Hilton manufactures a wide range of different cleaning aggregates for rail cleaning, groove cleaning, gravel surface and point cleaning.

To clean the grooves of tram networks for example, we install scrapers, rotating groove brushes and a 1000 bar high pressure cleaning unit on our rail cleaning vehicles. The working area under the vehicle is always well protected to avoid water spray and noise in the surrounding area of the vehicle. With the wide range of specific cleaning units we are always able to combine the most efficient technologies for your special requirements.

All cleaning modules can be mounted as compact unit between the axles of the chassis. The combination of the groove cleaning unit with a surface suction unit allows to clean the entire track

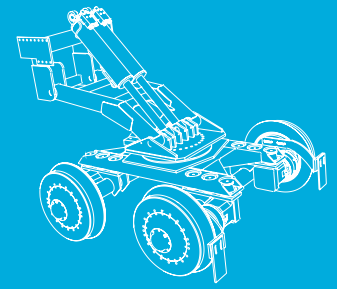
including the road bed. Special nozzles cause an air stream on the upper track bed, which resolves all dirt out of the gravel surface. All bigger dirt particles are absorbed but the gravel remains on the track bed. Thanks to the use of our new larger filters, the exhaust air is extremely clean which minimizes the discharged dust.



3-D model gravelsurface cleaning vehicle

Rail Drive Units

Schörling Technology



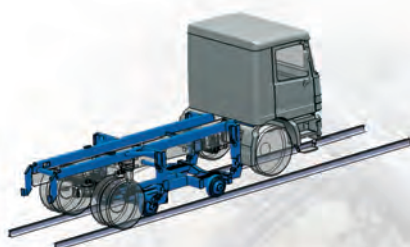
Hilton manufactures rail drive units for all types of vehicles. From simple trailers up to heavy trucks with 4 axles, we offer a wide range of rail drive units which have been approved by the German railways and many other railway companies around the world.

Our rail drive units can be mounted on all chassis of renowned manufacturers such as Mercedes-Benz, MAN, Volvo, Iveco, Scania, etc.. For 18 t vehicles we offer a trolley between the axles of the chassis with hydrostatic or friction drive as well as a system with 2 separate linkage axles behind the axles of the chassis. Besides a combination with a bogie on the rear side is also possible. The hydrostatic drive works with individual wheel actuation through internal gearing and hydro-motors with ABS and ASR on each wheel. The friction drive system presses down the rear axle of the chassis with pneumatical cylinders, which enables the traction of

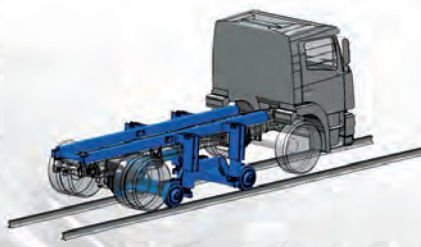
the chassis on the rail through the rubber tires which drive the guidance trolley.

For vehicles up to 50t, we offer a solution with 2 bogies. The bogie on the rear side can be manually rotated $2 \times 90^\circ$, so that the vehicle can be easily placed on the rail even on short railroad crossings. All rail drive units adapt on the curve radius, so that it is possible to drive the smallest curve radius. Most rail drive units are mounted on overhead line or rail cleaning vehicles, but we also manufacture special rail drive units for bridge inspection vehicles, fire fighting vehicles and excavators for example. For each vehicle type we can deliver the ideal rail drive unit for railway or tram operation on different gauges. Even systems with variable gauge through hydraulic or manual adjustment are possible.

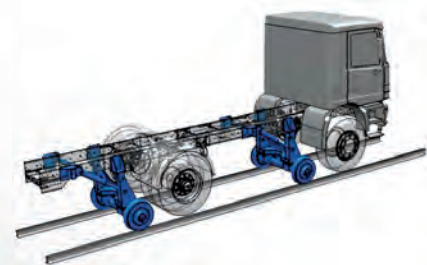
Overview of the Hilton Rail Drive Units (Schörling System)



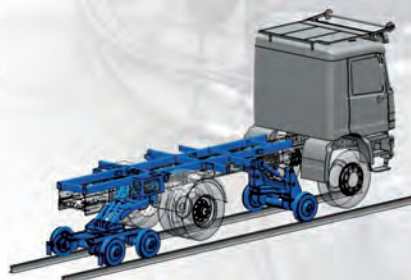
Friction drive trolley(18t)



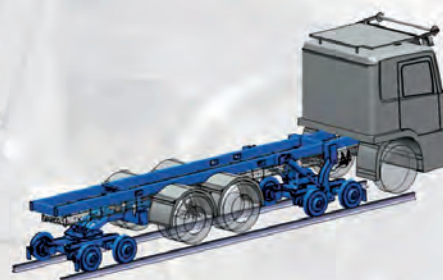
Hydrostatic drive trolley(18t)



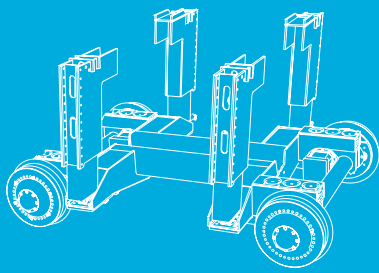
2 linkage rail drive axles (18t)



Linkage/bogie combination (18t)



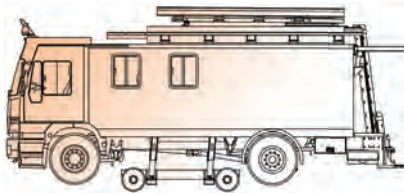
Bogie/bogie combination (up to 50t)



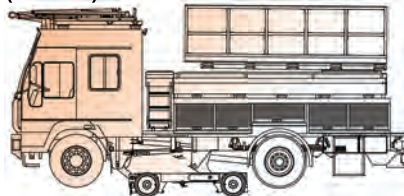
Overview Hilton Road Rail Vehicles

Overhead Line Mounting Vehicles

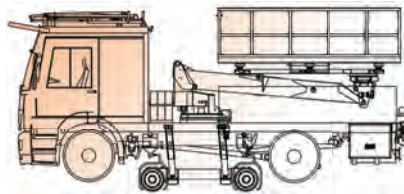
Bus superstructure (OMF-B)*



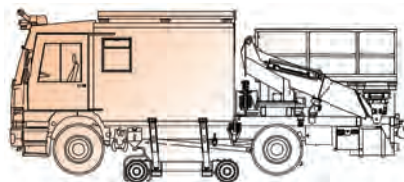
Equipment locker modules (OMF-K)*



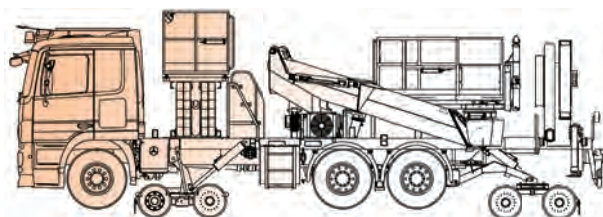
Articulated type platform (OMF-G)*



Telescopic type platform (OMF 3T)*

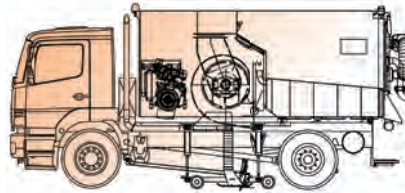


XL Telescopic platform (OMF Special 3T long)

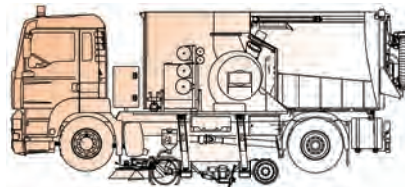


Rail Cleaning Vehicles

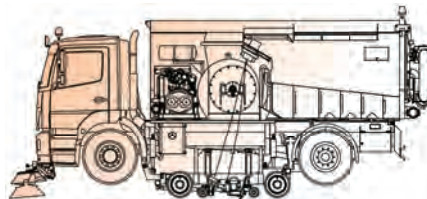
Rail cleaning vehicle with guidance trolley



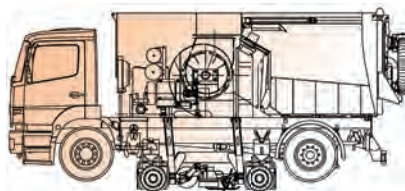
Rail cleaning vehicle with trolley rail drive unit



Rail cleaning vehicle with rail drive unit and guidance trolley

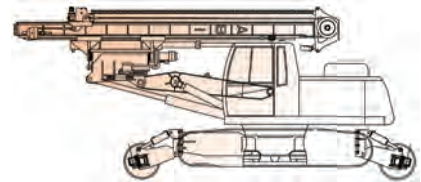


Gravel surface cleaning vehicle with rail drive unit

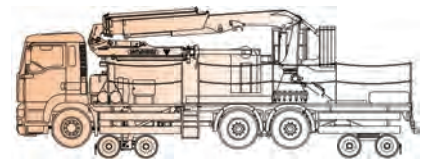


Special Vehicles

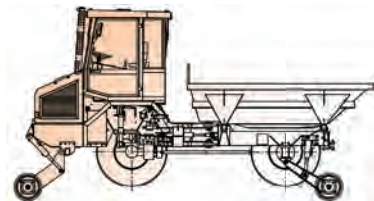
Excavator with rail drive unit



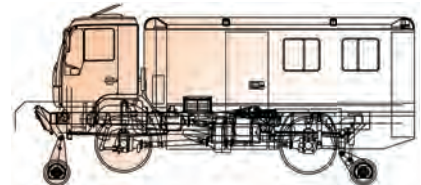
Bridge inspection vehicle with rail drive unit



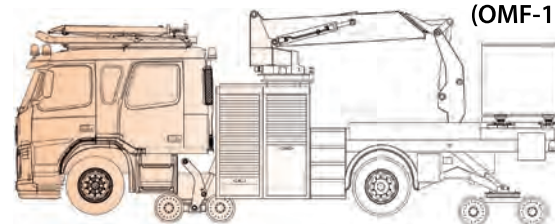
Dumper with rail drive unit



Fire fighting vehicle with rail drive unit



Telescopic type platform (OMF-130T)



* All graphics show vehicles with rail drive unit. The same vehicle types can also be delivered without rail drive unit.

We manufacture our vehicles based on your individual requirements with a combination of different modules in order to deliver a vehicle which is customized to your special application. Different rail drive units and a wide range of different superstructures are possible for all our road rail vehicles.

■ ■ ■ ■ Please call us for more information.

Hilton References

Overhead Line Mounting Vehicles



Rail Cleaning Vehicles



Special Vehicles



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