

RMT

Road maintenance truck

Schmidt‘s Road Maintenance Truck (RMT) solution transforms any truck into a year-round machine - simply by adding equipment. Solutions in hydraulic systems, mounting plates, lighting systems and control panels: everything always exactly as you need it.

Highlights

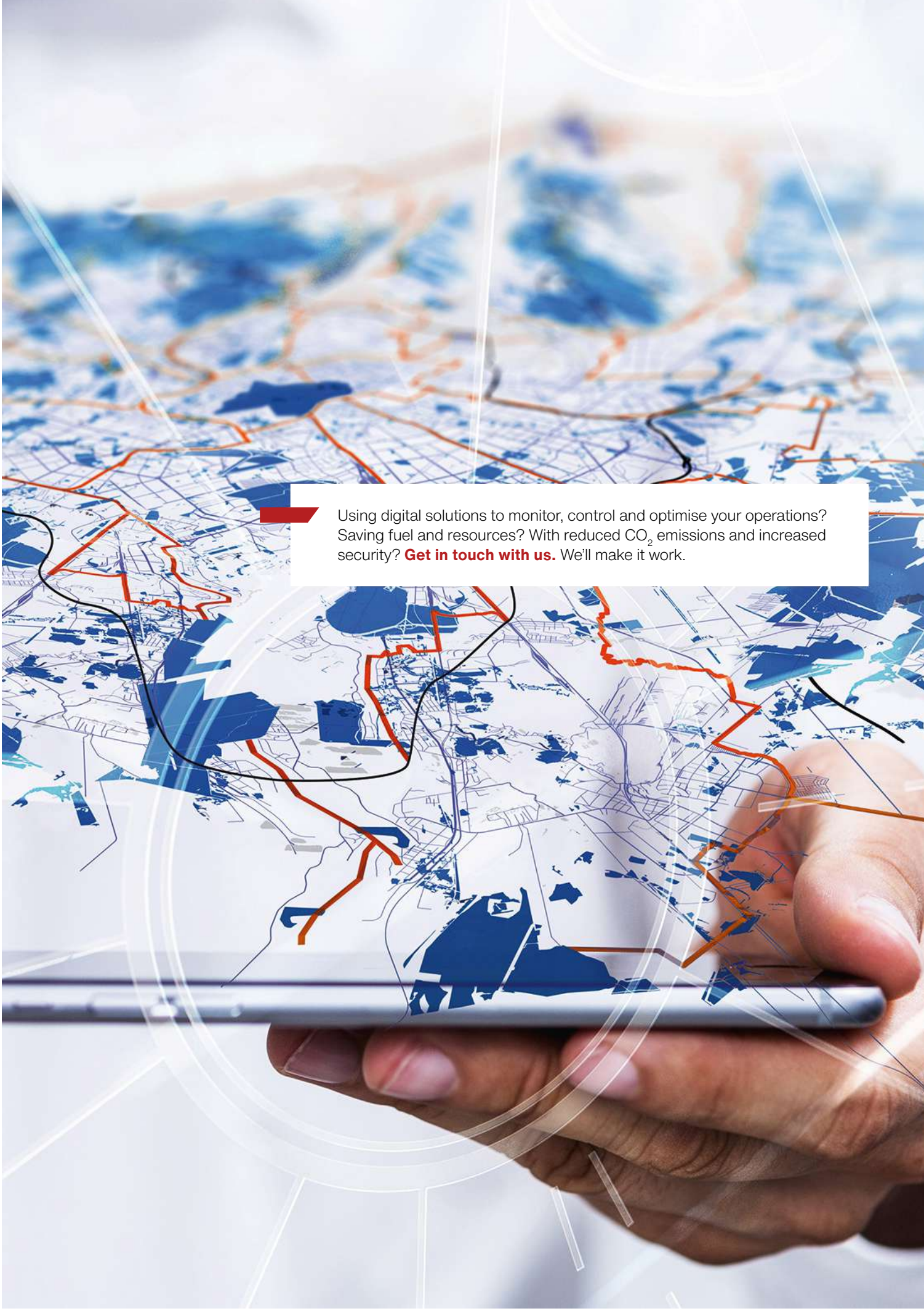
- **LS-hydraulic system** prevents excessive oil consumption and leads to fuel savings.
- Smart combination of valves, including individual pressure control, allows the **connection of a variety of machines** including cranes, hook lifts and tippers, to optimize investment.
- **Fast CAN-BUS control system** handles both summer and winter equipment, plus a huge variety of additional working and warning lights.
- **Compact, lightweightand extremely durable equipment attachments**, meeting the standards of many different countries.

Your benefits

- Hydraulic system **tailored to individual requirements and operating conditions.**
- **Intuitive control system with large screen** including driver’s assistants
- **Powerful hydraulics and proportional valves** for all important functions ensure precise control when required, as well as fast control in emergency situations.



We know how important it is that your machines and equipment are always ready to deploy. **Get in touch with us** about our range of tailored services and original spare parts.



Using digital solutions to monitor, control and optimise your operations? Saving fuel and resources? With reduced CO_2 emissions and increased security? **Get in touch with us.** We'll make it work.

Performance features

Hydraulic systems

LS hydraulic system

If an emergency vehicle is to be ready for maximum use, an LS hydraulic system is recommended. The basis of the system is a Load Sensing (LS) pump, with the help of which the various attachments and mounted implements such as front and side snow ploughs, spreaders, tippers, cranes, etc. can be driven and operated particularly efficiently. The LS pump is driven by the truck-specific power take-off. The special advantage of the LS system is the constant delivery rate, which is automatically adjusted to the respective requirements of the individual machines. If no hydraulic power is required, the LS pump automatically reduces to the lowest power. Thanks to this demand control of the optimum delivery volume, power losses are reduced to a minimum, and fuel consumption and the associated emission values are also significantly reduced.

Dual circuit hydraulic system

A dual circuit hydraulic system allows a snow plough and spreader to be driven simultaneously. The optional plough relief is also possible here. Particularly noteworthy: The two hydraulic circuits do not influence each other, which means that both the spreader and the snow plough can call up their individually required output in every situation without restriction. The dual circuit hydraulic system is driven via a belt drive or via the manufacturer‘s specific engine power take-off. These are, of course, approved by the vehicle manufacturer concerned.

Electro-hydraulic system

If there is no possibility of a belt drive on the motor side, an electro-hydraulic system can be used to operate, for example, the mounted plough including optional plough relief or other attachments with low power supply. The system is characterised by particularly quiet running. The robust and modular hydraulic system consists of three compact components: the electro-hydraulic pump unit, the control valve block and the control panel.

Rotopower

All de-mountable spreaders can be driven by different systems. One of the solutions is the „Rotopower drive“ where the drive power is taken from the wheel hub of the rear axle of the carrier vehicle. The Rotopower drive, which is very easy to install, is used to supply the spreader with oil. This is a robust and very flexible mounting solution, so that the vehicle‘s range of applications is not restricted and the carrier vehicle can be quickly converted from winter to summer operation.

Control system

The modern control panels of the EvolutionLine combine maximum functionality and optimum ergonomics. The raster rotary click knobs, the keys with functional lighting, as well as an immediately noticeable key elevation, provide the operator with maximum orientation and thus lead to increased operating safety.

With the spreaders, a voice confirmation is also available for command inputs. In addition to the visual confirmation, the control panel also repeats and acknowledges the commands in a clearly audible manner. The voice confirmation can be switched on and off by the driver at any time. If desired, a rear camera image can also be shown directly on the display.

Ergonomic operation of the attachments is ensured by the thumb joystick (EP control) or a separate joystick unit (ES control) which can be positioned within direct reach of the driver. An optional Bluetooth connection allows safe mounting and dismounting of the implements outside the driver‘s cab.

The RMT is an uncompromising combination of control system linked to hydraulic components which meets all possible power and control requirements. Intuitive and friendly for the driver, the control system provides smart control of work.







Working & warning light systems

Safety of work and comfort for drivers are top priorities. Working with clients, interested authorities and other road users over many years, we have created and developed uncompromising solutions to make maintenance work as safe as possible for every road user. Lighting packages are standardized for different purposes and experience shows they deliver incredible improvements on terms of safety and a reduction in road accidents during operation.





Mounting plates

Whether car, truck, tractor or wheel loader, for almost every vehicle there is a standardised mounting plate or one individually adapted to the vehicle frame. It goes without saying that the coordinated mounting solutions are provided with a manufacturer‘s clearance certificate (UBB). On request, it is also possible to integrate an intelligent sensor technology which automatically switches to winter lighting when a snow plough is attached. The protective cover for the front mounting plate minimises the risk of injury to other road users.









List of equipment to control with RMT solution

- Front plough
- Side plough
- Drive for external equipment
- Spreader
- Truck tipper
- Trailer tipper
- Hook lift
- Crane
- Front washer
- Front brush

Related products

Stratos 4.0 - 12.0 m³

Spreader



Street King 660

Sweeper





Trust in our many years of uniquely diverse experience. **Get in touch with us.** We'll find the right solution for your specific challenge.

Technical data

Hydraulic system	
Movement hydraulics (1st circuit – optional)	20 l/min / 210 bar
Movement hydraulics (2nd circuit – optional)	20 l/min / 210 bar 40 l/min / 210 bar
LS System hydraulic flow rate	100 l/min / 390 bar
Possibilities	
1st circuit - machines to be operated	Front snow plough Spreader
2nd circuit - machines to be operated	Front snow plough Front sweeper Spreader
LS system - machines to be operated	Front snow plough Side snow plough Front sweeper Spreader Tipper Crane Hooklift

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