CASE STUDY

Remote-controlled sewer rehabilitation

SCHWALM ROBOTIC GmbH, a specialist provider of robotic systems and special vehicles for trenchless sewer rehabilitation projects, offers its customers an innovative range of products. Through its rapid provision of replacement parts, GO! ensures that downtime is kept to a minimum for construction projects.

The public sewage system in Germany is estimated to cover an entire length of over 540,000 kilometres. SCHWALM ROBOTIC GmbH, based in Bad Hersfeld, is one of the world’s leading specialist providers and produces rehabilitation robots, additional equipment and special vehicles for partial sewer rehabilitation projects in a closed design. These robotic systems enable main and connection pipes to be renovated from the inside without the need for any excavation work. Delays in rehabilitation work lead to higher costs and also impact on residents.
Consequently, in cases of emergency, GO! Express & Logistics has been supplying sewer rehabilitation vehicles with urgently required replacement parts around the clock since 2008.

Technological specialisation

The rehabilitation of sewage systems is a very challenging task due to the extensive nature of the sewage network and also requires a high degree of technological specialisation. For rapid deployment regardless of local conditions, the Hesse-based company SCHWALM ROBOTIC GmbH developed a product range based on an integrated modular concept; ranging from remote-controlled rehabilitation robots through to fully equipped rehabilitation vehicles. Depending on the size of the vehicle, there is also a sophisticated infrastructure for working above ground, including power, water, air pressure, a flushing unit, an ergonomically designed workshop, system control, a video lab and even a recreation room.

Individual made-to-order production and outstanding service

The rehabilitation vehicles are manufactured precisely according to customer needs. The vehicle concept is therefore always a mix of series products and customer-specific special products. This high customer focus continues with the support provided during operations. A 24-hour hotline is available 365 days a year for reporting faults. The logistics partner GO! immediately takes charge of supplying urgently required replacement parts. Whether it’s a single screw or a 60-kilogram, high-cost robot, the consignment will reach its destination in the shortest time possible. A high level of flexibility is required on the part of the courier drivers in order to guarantee supply reliability and meet delivery deadlines. There is high time pressure on the one hand, while the precise locations of the rehabilitation vehicles are also sometimes difficult to pinpoint. „It really pays off that both SCHWALM and GO! have direct connections on hand where skilled employees can be reached at all times. This enables even complex matters to be cleared up in detail, thus saving time spent on subsequent queries,“ explains Sven Rantke, head of logistics at SCHWALM ROBOTIC GmbH.
About SCHWALM ROBOTIC GmbH

SCHWALM ROBOTIC GmbH produces robotic systems and special vehicles for trenchless sewer rehabilitation projects. The range of application of its systems includes repairs to main pipes and home connections, TV inspections for determining damage as well as image documentation. Robots, equipment and rehabilitation vehicles are proprietary developments of SCHWALM and are patent-protected. SCHWALM ROBOTIC GmbH was established in 2008 and currently employs 20 skilled employees, technicians and engineers. SCHWALM maintains customer relationships in Europe, the Middle East, Asia and America.

About GO! EXPRESS & LOGISTICS

GO! Express & Logistics is Germany’s largest unaffiliated provider of express and courier services. The worldwide partner network was established in 1984 and currently includes over 100 GO! stations in Germany and Europe. Highly qualified employees and couriers transport more than five million shipments per year.

True to the corporate philosophy IT’S ALL ABOUT TIME, GO! offers regional courier transport and worldwide express delivery of goods, documents and particularly time-critical shipments round the clock 365 days a year. Customised supply chain solutions, tailor-made industry solutions and special services in response to complex customer requirements complete the portfolio.