

### **MRT truck ensures a fast shift in the shaft**

More than ever before, the rehabilitation of manholes poses technical, economic and organizational challenges for operators of wastewater and sewerage networks. After all, several million manholes have to be repaired and maintained in Germany alone. This task can be accomplished even better if the relevant specialist expertise and high-quality product systems are combined with state-of-the-art technology. This is precisely where the MRT truck from MC-Bauchemie comes into play. With the self-sufficient complete system, manholes can not only be repaired much more easily and quickly, but also more safely and cost-effectively, as has been demonstrated by two exemplary projects from Breisgau and Rhineland-Palatinate. Manhole structures have a vital function within the underground sewage infrastructure. As they are frequently exposed to strong biochemical and mechanical stresses, they must be protected with special coatings. These coatings must be renewed from time to time to ensure long-term preservation. Compared to conventional manual maintenance, automated manhole rehabilitation technology (MRT) from MC-Bauchemie is able to save a great deal of time and also achieve much better results. Together with its subsidiary HDT GmbH, MC has set up an MRT system on wheels and optimized it for mobile use. The result is the MRT truck, a highly flexible and self-sufficient emergency vehicle in which all the equipment and components required for automated manhole rehabilitation, from substrate preparation to coating, are permanently installed in a truck. The 12-tonne vehicle, whose operation is supported by an experienced MRT operator, has a self-sufficient power, water and compressed air supply, a mortar mixer, a mortar pump and complete MRT equipment. The entire repair process is automatically regulated by a control unit. With this equipment, manholes can be repaired more easily, quickly and cost-effectively compared to manual manhole rehabilitation with a significantly higher degree of occupational safety. A further advantage of the mobile MRT system, which can be rented by network operators and specialist processing companies, is not only its mobility but also its flexibility. The MRT truck can be used for both round and rectangular manhole structures up to a depth of 10 m - regardless of whether they are made of concrete or brickwork.