

# The rotatable seat ensures a high level of safety



**The construction firm Hofschröder in Lingen will extend the one-lane bridges over the Meppen sluices, adding bridge for an additional roadway. The transport for the extensive earthworks will be done by a Bergmann Dumper 3012 with a smooth rotating round body.**

## **Little space in traffic**

The district of Emsland is investing about 3 million euros, with the support of the State of Lower Saxony and the participation of the City of Meppen, to build new bridges over the Dortmund-Ems Canal sluices. As a result, the existing chokepoint will be expanded by a second lane. The Bergmann Wheel Dumper 3012 will be used in the earthworks for the new foundations and abutments of the new pierhead in a very confined space. Traffic on the old bridge and on the two sluices will be fully interrupted during the construction work for short periods only. This is not a problem for the standard Dumper 3012, equipped in accordance with StVZO [Road Traffic Licensing Regulation].

## **Good visibility and agility**

The new cab design of Dumper 3012 provides excellent visibility of the work area. The transported earth can be unloaded precisely with the smooth rotating body. The operator stand, rotatable by 180 degrees – unique in the 12-tonne dumper category – makes turning manoeuvres or sitting back to look into the rear-view mirror completely unnecessary. The work goes fast, with more efficiency and work safety. “It works without any second thoughts,” says Hans-Herrmann Bergmann, Director of Bergmann Maschinenbau, describing the advantages of this innovation. “To the left of the operator stand is always left for the dumper. Changing driving direction could not be simpler and faster.” This is a very useful advantage for the construction site in Meppen, because there is no manoeuvring space directly on the water.

## **A dumper more robust and easier to maintain**

The design of Bergmann 3012 is extremely stable and intended for high loads. The powershift gear ensures continuous traction and more force with low consumption. Of course,



with a shiftable four-wheel drive. The articulated floating joint is locked by well-protected stabilizer bars, all hydraulic hoses have a protective sheath and the robust structure is additionally reinforced at especially critical points. Regular maintenance is possible without problems with the lowered body as well. Large maintenance flaps enable direct access to the engine and all filters, batteries and the entire fuse box. In addition, with its articulated floating joint, the dumper is extremely agile and with engine power of 119 KW is a good option even in bad subsoil conditions or on steep slopes.

### **High transport speed with comfort**

With a low-emission Cummins engine, Bergmann Dumper 3012 reaches up to 40 km/hr. going forwards and 30 km/hr. going backwards. The front axle suspension and the hydrostatic cab ensure a comfortable ride at these speeds. The new cab design additionally increases the operator's comfort with automatic climate control, high quality air and pollen filters, and a driver's seat on air suspensions.

The high efficiency of the chosen transport solution is one of the factors of rapid progress of the work. The construction firm Hofschröder from Lingen will rebuild the new bridge with precast concrete components and is ahead of schedule in its work: According to the current timeline, the construction of the new bridge will be completed in mid-2017 and not at the end of 2017 as originally planned.

