

PRESS RELEASE



Restoring a bridge with BKL's tower cranes.

Two 340 EC-B 16 machines from BKL Frankfurt's crane fleet are handling the lift operations at Elster Viaduct in Saxony, Germany.

Munich, 19.01.2023 – The historical Elster Viaduct in Vogtland, Saxony, is being completely refurbished, with work starting in 2021. Two 340 EC-B 16 machines from BKL's crane fleet have now been commissioned for the lifts by Glass Ingenieurbau Leipzig GmbH. As the most cost-effective crane solution with the required radius of 78 metres, the crane specialists positioned the two flat-top cranes – at a hook height of 36.8 metres – at each end of the structure so that they extended over more than half of the 270-metre bridge.

As train are continuing to run on one track during the restoration work, the crane rental company set up the 340-tonne-metre powerhouses with working area limitations. The additional equipment ensures that lifting operations can be carried out safely without disrupting train services.

Limited space was available to allow the crane experts from BKL's Frankfurt site to install the first top-slewing crane on the Jocketa side of the White Elster river. Therefore, the experienced tower crane technicians and the operator of the 230-tonne LTM 1230-5.1 mobile crane took advantage of an uphill street at the end of a no-through road to pre-mount the jib on the ground. Moreover, the BKL team was able to use a large open space to install the second tower crane on the other side of the bridge and thus complete the project efficiently.

Built approximately 170 years ago using roughly twelve million bricks, the Elster Viaduct is regarded as one of the world's largest brick bridges. The impressive regional landmark is being extensively refurbished until 2025 in accordance with the requirements for preserving historical monuments.

CRANE DATA:

	Hook height:	Radius:	Peak load:	Max. load capacity:
340 EC-B 16 (2 x)	36.8 m	78 m	2.1 t	16 t

PHOTOS:

Source: BKL Baukran Logistik GmbH / www.bkl.de



Crane 1 is in position.

Now assembled in the confined space, BKL's first 340 EC-B 16 machine towers over the roofs of Jocketa.



Crane 2 in progress.

The BKL team were able to use an open space to assemble the second tower crane.



Panoramic views.

The view from the first tower crane of the second 340 EC-B 16 being set up gives an idea of the dimensions of the historical bridge.

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Operational.

After two days of installation each, the two operational 340-tonne-metre tower cranes are handed over to the customer.

About BKL.

BKL Baukran Logistik GmbH specialises in crane rental, sales and service. With over 50 years of experience and more than 300 employees in Munich, Ingolstadt, Rosenheim, Frankfurt, Hannover and Hildesheim, the company is one of Europe's largest manufacturer-independent, full-service providers of crane solutions. BKL's crane fleet offers over 500 tower cranes, with a radius from 22 to 90 metres, plus over 100 all terrain mobile cranes from 30 up to 700 tonne giants and 20 mobile construction cranes with a radius of up to 65 metres. Moreover, BKL customers benefit from the bespoke turnkey package, certified according to DIN EN ISO 9001 and SCCP, including planning, logistics and transportation, as well as the 24-hour emergency service. BKL's reference projects include the Allianz Arena, BMW Welt, the European Central Bank and Terminal 3 at Frankfurt Airport. For further information, please see www.bkl.de.

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