

A new school and a new service: BKL builds container facilities.

Last spring, in just a few days, BKL South set up a new school building for the city of Munich at the hospital in Schwabing, carrying out the transport, lifts and container assembly.

Munich, 28 November 2024 – As of this year, BKL Baukran Logistik GmbH has extended its portfolio of additional services to include container assembly throughout Germany. It all started when the BKL South team was commissioned by Fagsi Vertriebs- und Vermietungs-GmbH for an exciting project in February. To construct the modular design building, which has been used as the state school for sick children since May 2024, the full-service provider of crane solutions handled the lifts, transport and logistics as well as the assembly of all modules, before Fagsi took over for the interior work.

Good planning is key: quick, efficient school construction

The project posed a number of challenges such as limited space at the loading points, extra-wide modules, a tight schedule and a crane site in the approach path of the air rescue services. Therefore, configuring the right machines for the narrow construction site from BKL's rental fleet of over 130 mobile cranes and 150 trucks, loader cranes and low-loaders was not the only decisive factor to ensure the mission's success. The mobile crane operators also had to be ready to clear the airspace with just ten minutes' warning.

Thanks to years of experience in heavy loads and close coordination between the specialist departments, the team completed the task without a hitch, thereby demonstrating their expertise in the recently introduced service. After just eight days, BKL project manager Hans Würz was able to hand over the container facility to Fagsi for the interior fixtures.

Disassembly and assembly in confined spaces.

The operational plan also covered dismantling the containers on the Riem exhibition grounds. BKL's mobile crane project planning team opted for an LTM 1150-5.3 to lift the 16-metre modules directly onto the low-loaders. Due to space restrictions, the team directed the fleet of trucks with utmost precision: on arrival, they could only manoeuvre into the construction site one by one, guided by the signals of a colleague.

The crane specialists had meticulously prepared the logistics in advance, from inspecting the route to obtaining permits and applying to close roads. This also involved organising special transport with BKL's own BF3 and BF4 escort vehicles, as the containers ranged in width from 3.35 to 3.46 metres.

To assemble the building in the grounds of Schwabing Clinic, the crane experts deployed an LTM 1250-5.1, capable of lifting the modules, weighing up to 19 tonnes, to a height of 27 metres. Equipped with variable ballast and outriggers, the five-axle mobile crane was the optimal crane solution to navigate the narrow approach to the site, while safely transporting the modules directly from the low-loaders to their destination. The four-man assembly team was ready and waiting to level the foundations and position the room modules with pinpoint precision on the top, before sealing, bolting and spot welding them in place. The fact that each step of the process was carried out in tandem without delay was crucial to completing the project quickly.

Container assembly as an additional BKL service.

The complex logistical operation at Schwabing Clinic and various other projects marked the start of another set of services. Following the successful launch of its industrial assembly service last year, BKL now also offers the assembly of container systems. BKL customers benefit from bespoke turnkey installation packages as the full-service provider handles lifts and transport, any planning and logistics services required, as well as room module assembly, with its own equipment. With well-coordinated teams of service engineers, mobile crane operators and truck drivers, plus BF3 and BF4 escort vehicles where necessary, the company plans and implements installations individually and with maximum efficiency.

PRESS RELEASE



Photographs (Source: BKL Baukran Logistik GmbH / www.bkl.de):



Photo 1:

Construction starts at Munich's Schwabing Clinic.

BKL's 250-tonne mobile crane arrives on site. The team installed ground protection mats to make the narrow access road suitable for heavy-duty vehicles.



Photo 2:

High-precision manoeuvring.

The construction site has limited space. BKL's experienced mobile crane operator uses the steerable axles of the LTM 1250-5.1 with its "all-wheel steering system" to navigate to the designated site.



Photo 3:

Special transport through the narrow access.

Installing the crane and transporting the oversized stair modules requires enormous skill and nerves of steel for both truck drivers and signallers. As part of its route inspection, BKL's technical support had arranged for the trees to be cut to remove branches that were obstructing access over about 120 metres of the path.



Photo 4:

Maximum precision.

Supported by a colleague on the guide rope, BKL's mobile crane lifts the first container into place. The team is exceptionally meticulous when levelling the room modules.



Photo 5:

Seamless handover between trades.

To save time, as soon as the crane operator gives the go-ahead, the service engineers start attaching the seals, bolting and spot welding the module that is now in position.



Photo 6:

The first classrooms are finished.

Although the mobile crane had to be ready to lower its jib to a maximum of 13 metres and clear the airspace for an emergency helicopter at a moment's notice, the BKL South team completed the first floor of the future hospital school building on day one.

PRESS RELEASE



Project partners:

Building contractor: LH München, represented by MRG Münchner Raumentwicklungsgesellschaft mbH
Occupant: Staatliche Schule für Kranke (State Hospital School)
General contractor: Fagsi Vertriebs- und Vermietungs GmbH

Construction period:

December 2023 – April 2024

Indications of weight in tonnes refer to metric tons

About BKL.

BKL Baukran Logistik GmbH specialises in crane rental, sales and service. With 55 years of experience and roughly 400 employees in Munich, Ingolstadt, Rosenheim, Frankfurt, Aschaffenburg, Nuremberg, Ansbach, 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 130 all terrain mobile cranes from 30 up to 700 tonne giants and 25 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 SCC^P, 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.

Reprint free of charge
A specimen copy is requested.

Press contact:

BKL Baukran Logistik GmbH
Veronika Leger
Tel.: +49 (0)8121 2248-176
Email: presse@bkl.de