

Megaproject: BKL crane solutions for Fraport expansion.

Well over 150 missions accomplished: BKL's construction cranes and mobile cranes at Frankfurt Airport.

Munich, 4. March 2022 – With twelve tower cranes and countless mobile crane operations, BKL Baukran Logistik GmbH is helping build the new Terminal 3 at Fraport in Germany. While the construction cranes are at work, putting the complex crane plan into action on the major construction site for the new terminal building, BKL Center/West's mobile crane experts are hoisting different loads of up to 200 tonnes, particularly for the new Sky Line route.

The construction of Terminal 3 is currently regarded as one of Europe's largest privately funded infrastructure projects. For BKL Baukran Logistik GmbH, which has already supplied cranes for numerous large sites, its extensive involvement in various Fraport construction projects is yet another milestone. "We are proud to be able to leverage our expertise and problem-solving skills in both tower cranes and mobile cranes to the full benefit of our customers in this megaproject," says Jörg Hegestweiler, CEO at BKL. Based near Munich, the crane specialists operate a fleet of over 600 cranes and are overseeing crane deployments for the airport development from their Frankfurt location.

BKL's tower crane solution for the Terminal 3 construction site.

Twelve BKL construction cranes were operated at Fraport, where the new main terminal building and several piers are being built. BKL's mobile tower crane specialists assisted dechant hoch- und ingenieurbau gmbh, which was responsible for the Terminal 3 structural shell, during the preparatory phase. Using CAD-based planning, they visualised the different crane heights, thereby ensuring that they were optimally configured.

To create the crane concept, the team capitalised on BKL's versatile rental fleet – from mobile 22-metre bottom-slewing cranes to five flat-top cranes in the 300 tonne-metre category, equipped with hook heights of up to 85 metres and a radius of 75 metres, culminating in a 1050-tonne metre giant.

The added bonus: the ten mobile fast-erecting BKL System Cattaneo CM 221 cranes cover a greater area as they can be relocated on the building site as required, while the stationary top-slewing cranes make light weight of the heavier loads. Then the 21LC1050 came into play: BKL installed it with a hook height of 53 metres and an 80-metre radius on a 70-metre track system. This enables the 1050-tonne metre crane with a peak load of over 11 tonnes and a maximum load capacity of 50 tonnes to be moved into place, ready to lift the heavy steel components.

The BKL crane specialists set up two other large cranes, a 630 EC-H and a 21LC750, both with over 70-metre radii, at CargoCity South, which is also being extended during construction of the new terminal.

Mobile cranes for Fraport's mobility concept.

BKL mobile cranes carried out over 150 operations at the end of 2021 alone. Most were lifting projects relating to construction of the new Sky Line people mover, the parallel public transport system that will connect Terminal 3 to the existing terminals and stations.

The crane experts from BKL Frankfurt deployed mobile cranes between 50 and 700 tonnes to ensure that the lifts, some of which were highly complex, were implemented effectively in terms of time and costs. These crane operations included transporting track elements for the new route into Terminal 2 with a C-hook lifting beam or placing tracks weighing almost 200 tonnes in a tandem lift.

However, it is not just the railway line and station connections that require special crane solutions. BKL Frankfurt's mobile crane team successfully completed extremely heavy, high-precision tasks to build a workshop for the new line and other expansion projects involved in the construction of Terminal 3.

PRESS RELEASE



CRANE OVERVIEW (links to the data sheets):

BKL tower cranes: [21LC1050](#), [21LC750](#), [630 EC-H](#), [340EC-B 16](#), [CM 221](#)

BKL mobile cranes: [LTM 1650-8.1](#), [LTM 1450-8.1](#), [GMK 6400](#), [LTM 1300-6.2](#), [GMK 5250XL-1](#), [LTM 1230-5.1](#), [GMK 5150L](#), [LTM 1130-5.1](#), [LTM 1110-5.1](#), [LTM 1090-4.2](#), [LTM 1060-3.1](#), [LTC 1050-3.1](#) and loader crane [PK 92002-SH](#)

PHOTOGRAPHS:



A dozen construction cranes.

BKL's crane solution at Fraport deploys several fast-erecting cranes and 340 EC-B flat-top cranes, plus a 21LC1050. The latter is mounted on tracks, enabling it to lift all heavy steel construction parts on the construction site. Two other large cranes are installed at CargoCity.

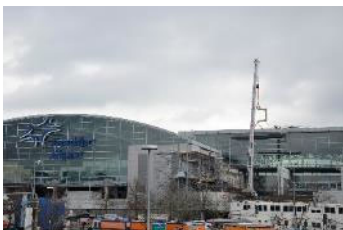
Photo credit: BKL Baukran Logistik / www.borisgolz.de



800 tonnes of concrete in three days.

A BKL LTM 1650-8.1 and a BKL LTM 1450-8.1 hoist almost 200 tonnes of heavy track elements in a tandem lift.

Photo credit: BKL Baukran Logistik / www.borisgolz.de



C for cms: precision planning.

Every centimetre counts – this is just as true when installing cranes on the access structure as when laying railway tracks in the terminal area. BKL Frankfurt's mobile crane team solved this challenge with an LTM 1300-6.2 and a custom-built C-hook lifting beam.

Photo credit: BKL Baukran Logistik GmbH

About BKL.

BKL Baukran Logistik GmbH specialises in crane rental, sales and service. With approximately 300 employees in Munich, Ingolstadt, Rosenheim, Frankfurt, Hannover and Hildesheim, the company has over 50 years of experience as one of Europe's largest manufacturer-independent 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 15 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 the new 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
T: +49 8121 2248-176
E: presse@bkl.de