

BKL flying high: Construction crane assembly with helicopter at 2,300 metres.

Munich crane specialists master challenging crane assembly in high alpine terrain.

Munich, 03/07/2025 - Sleet in May, a tight schedule and a construction site that could not be reached by vehicle at around 2,300 metres above sea level: extraordinary conditions even for the experienced crane specialists from BKL Baukran Logistik GmbH. In the impassable terrain of the Austrian Alps, the team from BKL Munich assembled a Sáez tower crane – by helicopter. The crane will support the construction of a new mountain station in Ischgl until the start of the winter season. There was only a short time slot to set up the crane after the ski season ended before rising temperatures made helicopter operations impossible. The flights were affected not only by the weather conditions, but also by the altitude-related limitation of the load capacity to 3.2 tonnes.

The matching crane and smart planning.

With the 130 tonne-metres crane TLS 60 14, BKL has the best-fit solution in its rental fleet: powerful yet modular and light enough to be airlifted to the site by helicopter. To transport the crane parts to the place of departure, the crane logistic specialists used several trucks with shortened trailers to safely navigate the narrow mountain roads. After arriving the BKL team prepared the crane components, ready to be quickly attached and flown by helicopter to the construction site the following day.

To ensure highly efficient assembly, the crane experts came up with unconventional solutions right from the planning phase: they deliberately configured the crane without a cabin and removed other non-essential components to save weight and helicopter hours. They also weighed and marked each component in advance to ensure a smooth process. At the construction site, the BKL service engineers secured the crossbase on a pre-concreted surface to save heavy base ballast. To enable the tower sections to be flown in closely timed sets, they were first set up and partially bolted together. The final bolting was done in the flight breaks.

Efficiently assembled with only 15 flights.

Despite adverse weather conditions and a flight break of several hours due to dense fog, the BKL team managed to complete the construction crane assembly within one day and with only 15 flights, thus fulfilling the requirement of the customer, Silvrettaseilbahn AG.

Thanks to well thought-out planning, optimum preparation and experienced execution, the top-slewing crane, which has a radius of 25 metres and a hook height of around 21 metres, is ready for the lifting work required to build a new cable car station in time for the next ski season in the well-known winter sports region.

CRANE DATA:

	Hook height	Radius	Peak load	Max. load capacity
<u>TLS 60 14</u>	20.80 m	25.00 m	5.5 t	6.0 t

PRESS RELEASE



Photographs:

Source: BKL Baukran Logistik GmbH / Roman Nöstler

Link to Video: <https://youtu.be/8gafDZmvtul>

Link to Short: <https://youtube.com/shorts/EUQq5mnSR-s>



Photo 1:

Smart BKL crane solution for highly efficient assembly.

To minimise weight and flight hours, BKL's crane specialists configured the crane without a cabin and removed other non-essential components.



Photo 2:

Tight schedule and adverse weather conditions.

Within one day, the BKL team assembled the flat-top crane in accordance with the customer request, defying the sleet and flight pauses due to dense fog at an altitude of 2,300 metres.



Photo 3:

Airworthy BKL crane ready for use.

The Sáez TLS 60 14 is light enough to be transported by helicopter and was handed over the BKL service engineers fully assembled, with a hook height of 20.8 metres and a radius of 25 metres, after just 15 flights.

Indications of weight in tonnes refer to metric tons

About BKL.

BKL Baukran Logistik GmbH specialises in crane rental, sales and service. With over 55 years of experience, 1,000 machine units and more than 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 alone 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 30 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, container and industrial assembly, 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 <https://www.bkl.de/en/>.

About the BKL System Sáez.

The BKL System Sáez comprises ten construction cranes from 32 to 1,100 tonne-metres – from Industrie 4.0-capable bottom-slewing cranes to flexible luffing jib cranes and powerful top-slewing cranes. The cranes are characterised by state-of-the-art technology and high efficiency. For example, all drives are equipped with frequency converters and programmable logic controllers. BKL and Grúas Sáez are not only united by their high quality standards, but also by their corporate culture: Both are family-owned businesses in their second generation and can look back on over 55 years of success. BKL has been an official Sáez sales partner since March 2022. Further information can be found at www.bkl.de/en/saez/.

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