

cranes & access

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Annual rental
rate guide

A look back
at 2015

Truck
mounted lifts

Telescopic
crawler cranes

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Alpine chairlift

The 60 tonne Liebherr LTR 1060 telescopic crawler crane owned by Swiss crane company Clausen has completed its second contract on the Matterhorn, helping construct a top station for the new Hörnli/Hirli chairlift, which replaces a 50 year old T-Bar lift, in the Zermatt ski area, at an altitude of 2,900 metres/9,500ft.

Last autumn the same crane was used on a 2,000 metre mountain railway

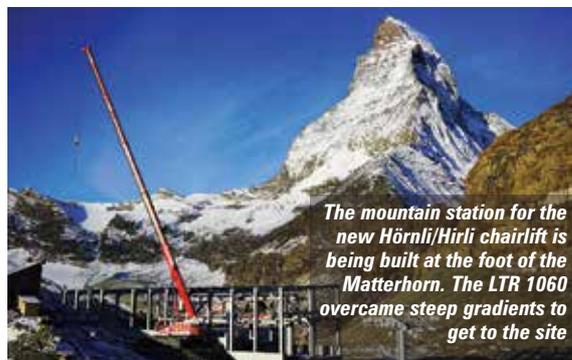


The LTR 1060 had to tackle gradients of up to 45 degrees

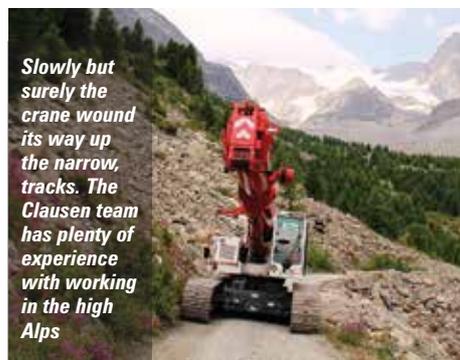
contract travelling up gradients of 40 percent. As before the biggest challenges involved getting to site up rough hiking paths. In mid-September Clausen transported the crane up a tight Alpine road to Stafelalp, at an elevation of 1,900 metres and around eight kilometres from the station. The LTR 1060 then covered the remaining distance under its own power, taking around five hours to get there. The biggest

hurdle was a two kilometre stretch with a gradient of 45 degrees. Once on site, the crane helped install the steel structure for the new station. It also helped assemble the drive motor, before pick & carrying the 16 tonne unit from the assembly site to the station, before lifting into place. After three weeks on the job, the crane tackled the downhill journey to Stafelalp.

The crane spent three weeks working at an altitude of 2,900 metres installing the steelwork and drive motor



The mountain station for the new Hörnli/Hirli chairlift is being built at the foot of the Matterhorn. The LTR 1060 overcame steep gradients to get to the site



Slowly but surely the crane wound its way up the narrow, tracks. The Clausen team has plenty of experience with working in the high Alps



When work was completed the LTR 1060 had to tackle the difficult descent

Building bridges

German structural and civil engineering company König Bau has purchased a new Sennebogen 643 to carry out a wide variety of lifting tasks, including bridge building projects. With a 30 metre full power boom, the crane is able to place most formwork and structural elements on the company's projects. The crane's first job was a new bridge to Hohenleipisch. The operator said that the crane's stability, compact dimensions and freedom from outriggers were major advantages compared to All Terrain cranes.



König Bau using a new Sennebogen 643 telescopic crane is used for a variety of lifting tasks.

Sennebogen 6113 on warehouse construction

One of the first Sennebogen 6113 telescopic crawler cranes - launched at the end of 2014 - is being used by Max Bögl in Germany on warehouse construction in the Tauernfeld/Deining industrial zone near its base in Neumarkt in der Oberpfalz, where the crane is lifting steel components up to 12 tonnes in weight. It is shortly due to go to work on a wind turbine contract where it will be required to lift its maximum load of 120 tonnes.

The 6113 has load charts for operating on inclines of up to four degrees, although it needs to be level to lift at full capacity. The tilting cab provides improved visibility, while the 'SENCON' control and diagnostic system supports the operator in everyday operations, allowing fine adjustments directly from the control panel.

The operator said that the crane's ability to telescope loads with its full power boom and pick & carry duties, convinced him the first time he used the crane, that it was the right machine for him. "It can move heavy parts anywhere on site safely. At the same time, the 40 metre boom allows me to operate over an extensive area from a central position," he said. "The crane is also quick and easy to transport thanks to the self-assembly system and the telescoping undercarriage provides impressive stability, even on dynamic work."



The new Sennebogen 120 tonne telescopic crane is being used by Max Bögl to lift steel and pre-cast concrete elements