

Press release

World class – Team Liebherr plays at the Santiago Bernabéu Stadium

- **More than twenty Liebherr mobile and crawler cranes are in action on the refurbishment of the Bernabéu football stadium in Madrid**
- **Lots of planning required by crane contractors Gruas Aguilar and Eurogruas 2000 due to the constricted space**
- **LR 1800-1.0 crawler crane with V-frame impresses through its compact dimensions, flexibility and lifting capacity**

Legendary football stadium Estadio Santiago Bernabéu in Madrid is currently being refurbished. It will reopen in 2022 in the form of a superb, ultra-modern stadium with a wide range of positive features. The professionals at Spanish championship record holders Real Madrid CF have therefore had to leave the pitch – to be replaced by a whole team of cranes and construction machinery, playing a fascinating game, featuring an LR 1800-1.0 from Eurogruas 2000 together with an LR 1600/2 and an LR 1600/2-W from Gruas Aguilar.

Ehingen / Donau (Germany), 12 January 2021 – Established crane contractor Gruas Aguilar has, at times, had 18 Liebherr mobile and crawler cranes on the site with lifting capacities ranging from 40 to 1200 tonnes. “Winning the order for the crane work at the Bernabéu was not only a routine job for us, but also a great challenge”, says Luis Aguilar, owner of Gruas Aguilar. “The logistics and planning required for all these cranes in all different sizes was enormous. From the compact LTC 1050-3.1 and LRT 1100-2.1 rough-terrain crane to the LTM 11200-9.1, there was a full team on the pitch”, adds Aguilar and continues: “Obviously, we were reliant on the usual competent, fast response from Liebherr-Iberica’s after-sales service team.”

The champions – LR 1800-1.0, LR 1600/2 and LR 1600/2-W

The three-man formation consisting of an LR 1600/2 and an LR 1600/2-W from Gruas Aguilar, together with an LR 1800-1.0 from Eurogruas 2000, produced a strong performance. They were on site permanently from June to December 2020 carrying out a wide variety of

hoisting work. The gigantic heavy girders for the roof structure, in particular, had to be hoisted into position.

The LR 1800-1.0 from Eurogruas 2000 impressed as a skilful playmaker. It was demonstrating all its strengths, as Javier Sato, co-owner of the Eurogruas 2000 Group explains: “High capacity, compact dimensions, low-cost logistics and flexible use – they were the features that resulted in us investing in the LR 1800-1.0. It was a very good decision for us and we are proud to have taken delivery of the very first machine at the Bauma in 2019.” The working conditions in the centre of the city immediately next to the arterial Paseo de la Castellana road were very complex due to the highly constricted space available, heavy loads and large radii. “We were completely reliant on the flexibility of the derrick ballast”, says Eurogruas 2000’s Project Manager, Jose Garcia and Juan Ayora. “The V-Frame enabled us to position loads weighing between 40 and 213 tonnes with a very wide range of radii safely and precisely without having to move the crane on the site.” The experienced crane contractor simulated every hoist in detail on a computer beforehand with the site team. Garcia and Ayora continue: “The teams from Liebherr-Iberica and Liebherr in Ehingen meant we had excellent, successful teamwork, particularly configuring the booms and planning the hoists.”

The new star among stadiums

The Bernabéu Stadium, one of the real landmarks of Madrid, has a long history. For Santiago Bernabéu, who was initially a player before he became coach and then President of Real Madrid, the stadium represented the achievement of a lifelong dream. He collected donations and was able to start the construction work in 1944, during the Second World War. The stadium was then opened in 1947. After several modifications and extensions over the past few decades, the stadium, which has hosted a whole series of international finals, is currently once again filled with construction machines.

By 2022, the Bernabéu will be an ultramodern stadium with a hydraulically adjustable roof structure, lowering hybrid turf and new shopping, business and leisure facilities. The façade can be illuminated during the hours of darkness using LEDs in a wide range of scenarios. There is a promenade around the entire structure at the top of the façade which provides a panoramic view of life in the neighbouring streets and the sporting excellence or events taking place in the stadium itself.

About Liebherr Iberica S.L.

Liebherr Iberica is the Spanish sales and service company for the Liebherr group and was established in 1988. Presently Liebherr Iberica is in charge for sales and after sales for the division mobile cranes, earthmoving, mining, maritime cranes and concrete technology.

About Liebherr-Werk Ehingen GmbH

Liebherr-Werk Ehingen GmbH is a leading manufacturer of mobile and crawler cranes. Its range of mobile cranes extends from 2-axle 35 tonne cranes to heavy duty cranes with a lifting capacity of 1200 tonnes and a 9-axle chassis. Its lattice boom cranes on mobile or crawler crane chassis deliver lifting capacities of up to 3000 tonnes. With universal boom systems and extensive additional equipment, they can be seen in action on construction sites throughout the world. The Ehingen site has a workforce of 3,500. Extensive, global service guarantees the high availability of Liebherr mobile and crawler cranes. In 2019, the Liebherr plant in Ehingen recorded a turnover of 2.1 billion euros.

About the Liebherr Group

The Liebherr Group is a family-run technology company with a widely diversified product range. The company is one of the largest manufacturers of construction machines in the world, but also supplies technically advanced, user-focused products and services in many other sectors. The group currently comprises more than 140 companies based in every continent of the world, has a workforce of over 48,000 and recorded a consolidated total turnover of more than 11.7 billion euros in 2019. Since it was founded in 1949 in Kirchdorf an der Iller in southern Germany, Liebherr's aim has been to win customers by supplying high quality solutions and to contribute to technological progress.

Photographs



liebherr-eurogruas-lr-1800-1-0.jpg

High lifting capacities, constricted site conditions and large radii – the LR 1800-1.0 from Eurogruas 2000 is perfect for the job at the Bernabéu Stadium in Madrid.



liebherr-aguilar-lr-1600-2.jpg

“At times we had 18 Liebherr cranes in action at the site. Obviously, we were reliant on the usual competent, fast response from Liebherr-Iberica’s after-sales service team,” says Luis Aguilar, owner of Gruas Aguilar.



liebherr-aguilar-eurogruas-interior.jpg

Safe installation – Gruas Aguilar and Eurogruas 2000 simulated the crawler cranes’ hoists in advance so that they could then position the massive girders for the new roof perfectly.



liebherr-aguilar-eurogruas-bernabeu.jpg

After it has been completed, the Bernabéu will be an ultramodern stadium with a hydraulically adjustable roof structure, lowering hybrid turf and new shopping, business and leisure facilities.

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