

Job-Report

Powerful trio on Spanish wharf

Liebherr Heavy Load Cranes

1250 HC 50, 1250 HC 40, 1900 HC 60



LIEBHERR

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A third Liebherr crane was installed in the Astilleros Gondán, S.A. Castropol (Asturias) shipyard in northern Spain at the start of 2015. After a 1250 HC 50 (since 2009) and a 1250 HC 40 (since 2012) the group has now been supplemented with a new 1900 HC 60. The tower cranes will permanently stretch high into the sky and provide faithful service to the shipbuilding company.

The cranes have load capacities between 40 and 60 tonnes to enable the shipyard to make its assembly processes more efficient. Since the 1900 HC 60 with a radius of 48 m can still hoist 40 tonnes, even larger steel components can be prefabricated in the company's own production buildings and then assembled on the dock using the crane ensemble. The shipbuilding process can therefore be significantly speeded up as a result of using a lower number of components.

With jib lengths of up to 50 m, hook heights of up to 57 m and functions such as Micromove, the cranes are ideal for positioning large components for ships with millimetre precision. The Commercial Director of the shipyard, Daniel Scavuzzo, is highly satisfied with his decision: The production rate has been increased significantly. "Reliability and absolutely top technology" are his words to describe the Liebherr products.

Little space and plenty of sea air

Since there is often very little space available in the port area and the third crane had to be moved between the existing units, a precise location had to be planned for the 1900 HC 60 and a great deal of technical expertise was required. The height was precisely tailored to requirements using a specially designed base tower. The planning work for this was carried out by Liebherr Industrias Métalicas, S.A. with support from the Department for Special Solutions, the Tower Crane Solutions in Biberach.

Specially developed foundation anchors and foundations ensure that the crane has great stability despite being located on a coastline renowned for storms. To protect the cranes from corrosion in the salty sea air, they were painted with a special coating for maritime use. In addition all the housings of the electronic equipment are made of stainless steel.

Astilleros Gondán, S.A. is a family-run company which specialises in shipbuilding. The company first opened for business in 1925 and started to build ships with steel cladding in 1969. The company has grown steadily ever since it was founded.

Crane configurations

1250 HC 50

Max. hook height	58.1 m
Max. radius	40 m
Max. lifting capacity	50 t
Lifting capacity at jib head	23 t

1250 HC 40

Max. hook height	22.1 m
Max. radius	50.5 m
Max. lifting capacity	40 t
Lifting capacity at jib head	26 t

1900 HC 60

Max. hook height	36.2 m
Max. radius	48 m
Max. lifting capacity	60 t
Lifting capacity at jib head	40 t