

Liebherr-Werk Nenzing GmbH wins large order for Sochi, host of the XXII Olympic Winter Games

Liebherr-Werk Nenzing GmbH, Austria

Basic Element has awarded Liebherr-Werk Nenzing GmbH a contract for eight Mobile Harbour Cranes. Deliveries will start in August and all eight cranes will be installed and commissioned by February 2010.

Investment package

On July 4, 2007, the international Olympic Committee announced that Sochi had been selected as the host city of the 2014 Winter Olympics. This will be Russia's first occasion hosting the Winter Olympic Games. To get the city ready for the Olympics, the Russian government has committed to a US\$12 billion investment package, shared 60-40 between the government and private sector.

Main supplier

Liebherr, the worldwide leading crane manufacturer is playing an important role in the project and has been chosen as the main supplier for port equipment. The scope of supply includes five LHM 180 HD and three LHM 280 mobile harbour cranes, two R 954 and one R974 material handlers as well as five wheel loaders for the new port in Imeretinsky Bay. The contract has been signed between Liebherr and Port Sochi Imeretinsky, the structural part of Basic Element.

Design principles & special features

- GFRP (glass fibre reinforced plastic) machinery house, leading to a corrosion-free and lighter structure, with better noise insulation.
- Tubular tower design guarantees utmost stiffness and torsion resistance.
- The forward mounted cabin (70 per cent glass proportion) allows optimal view of load, vessel and surroundings.
- 4-Chord boom for maximum stability and precise crane movement.
- Internally mounted winches with elastic suspension, keeping the components in a better controlled environment and giving longer life and reduced noise levels.
- Aggregate coolers mounted externally to avoid product contamination of the machinery.
- A7 classification on grab application < 45t. A8 classification on grab application < 36t. Depending on the load spectrum a LHM 280 achieves a lifetime of up to 4,000,000 hoisting cycles.
- The hydrostatic drive system in combination with the in-house developed "ECO-Control-System" achieves a notable reduction of diesel consumption of up to 25 per cent.
- Optimised four-rope grab control
 - During grab operation, hoisting/lowering and grab closing/opening are driven simultaneously to achieve shortest cycle time.
 - Automatic lowering/lifting during filling process guarantees optimal filling level of the grab.
 - Slack rope monitoring guards against a partial damage of the ropes and provides operational reliability.
 - Automatic controlled traction force of winches prevents overloading of the grab.



LHM 180 TMB, Portugal.

Basic Element

Russian based Basic Element is a diversified investment company. Their main assets are concentrated in six economic sectors – Energy, Resources, Manufacturing, Financial Services, Construction and Aviation. About 300,000 people work at the Group's companies in Russia, the CIS, Africa, Australia, Asia, Europe and Latin America.

Specifications

The LHM 180 HD has a lifting capacity of up to 76 t and a working radius of up to 35 m dedicated for general cargo handling with continuously changing operating appliances and handling methods. The LHM 280 is characterised by a maximum lifting capacity of 84 t and a maximum outreach of 40 m. The new port is designed for the handling of more than six million tonnes of cargo per year for infrastructure projects including Olympic venues. The cranes are mainly aimed for handling bulk and general cargo.

Sochi is situated in the Krasnodar region on the southern Russian border. It sprawls along the shores of the Black Sea and against the background of the Caucasus Mountains. At 145 km (90 mi), Greater Sochi is claimed to be the longest city in Europe.

ABOUT THE COMPANY

Liebherr-Werk Nenzing GmbH is the largest maritime crane production site and head of the division controlling company, the Liebherr-MCCtec GmbH, which is responsible for the Liebherr range of maritime cranes. The Liebherr-MCCtec GmbH has now four state-of-the-art production sites for maritime cranes as well as six fully owned sales and service organisations in Hong Kong, Amersfoort (Netherlands), Hamburg (Germany), Niederhergheim (France), Mumbai (India) and Istanbul (Turkey). The Liebherr-Werk Nenzing GmbH manufactures and markets an extensive range of product lines including ship cranes, offshore cranes, mobile harbour cranes and reachstackers. On the international building machinery market Liebherr is the leading producer of universal duty cycle crawler cranes, lift cranes as well as foundation equipment.

ENQUIRIES

Web: www.liebherr.com