

HOFOR Copenhagen orders new E-Crane for handling biofuels

Hofor has ordered an Equilibrium crane from E-Crane International, to replace an existing 4-rope grab crane at Amagerværket. The new E-Crane will handle coal and biofuels for the power generating plant. Designated 9359B GA-E, the gantry mounted E-crane has 10 tons grab capacity at 36m outreach and is big enough to service Panamax vessels.

Following the mandatory tendering process, HOFOR selected an equilibrium crane from E-Crane International as their preferred choice.

Worldwide, E-Crane is the leading manufacturer of balance cranes. Prior to the order, technical details, manufacturing facilities and quality control procedures were reviewed carefully by HOFOR.

The advantages of the equilibrium principle

The equilibrium principle, perfected and implemented successfully in well over 200 cranes by Indusign N.V.* of Belgium, provides a nearly perfect balance between the movable counterweight and the weight of the crane boom and the stick plus half of the payload, at all radii.

The benefits are:

- a. Very low energy consumption compared to common hydraulic materials handling machines
- b. Smooth crane movements
- c. High operator comfort, supporting high productivity

The E-Crane design provides highest quality fabrication of all load carrying steel constructions, high-class corrosion protection and reliable hydraulic components from renowned suppliers, such as Rexroth and Caterpillar. Design classification meets the highest possible standards in FEM or DIN, with longest design life. Electronic controls include remote diagnostics and possibility of semi-automatic crane operation.

All crucial spare parts, including slew bearings, pumps and cylinders are in stock at the factory in Belgium and available at very short notice. This reduces the operator's need for spare parts stock to only those parts needed for regular maintenance, plus a limited selection of items, which are convenient to have on hand.



Port-Trade introduced the equilibrium E-Crane to Hofor several years ago, when considerations to replace the old 4-rope crane began.

* Designer and manufacturer Indusign N.V. is the sole owner of 'E-Crane International' and 'E-Crane World Wide (USA)'.