

Port of Skellefteå has ordered a fully electric Konecranes Gottwald mobile harbour crane without customary diesel engine; the crane is environmentally clean and completely silent

Anticipating increased quantities of breakbulk and dry bulk cargo in the coming years, the municipal Port of Skellefteå, needs increased handling capacity and has therefore ordered a new 125 ton capacity Gottwald mobile harbour crane type GHMK 6507.

The new crane is fully electric, without the usual diesel engine, and therefore environmentally clean, operating without noise and without exhaust fumes. Necessary power for the crane is provided by a 10 kV external, green energy supply.

Surplus electrical braking energy, recovered from the load lowering and slew motions in the crane, is fed back into the supply grid, rather than dissipated in resistors as heat, enhancing the inherent benefits of electrical drives, which are already well known.

To enable travelling between quays, without diesel engine and without external power feed, the crane is equipped with a powerful battery pack, similar to the battery packs widely used in the Gottwald battery driven Automated Guided Vehicles.

The new crane has 125 tons on hook lifting capacity at 20 m radius and 40 tons motorgrab capacity at 36 m. Maximum outreach of the crane is 51 m, still lifting 40 tons on the hook.

The Port of Skellefteå, which is located on the Bottenviken coast in northern Sweden, has since 2002 successfully operated a Gottwald type HMK 260 E.

Closely collaborating with Port-Trade, Konecranes Gottwald won the order following a comprehensive EU-tender process, taking into account every conceivable aspect, technical as well as commercial and especially environmental.



A standard Model 6507 crane in operation at ADP, Port of Fredericia, running on green power