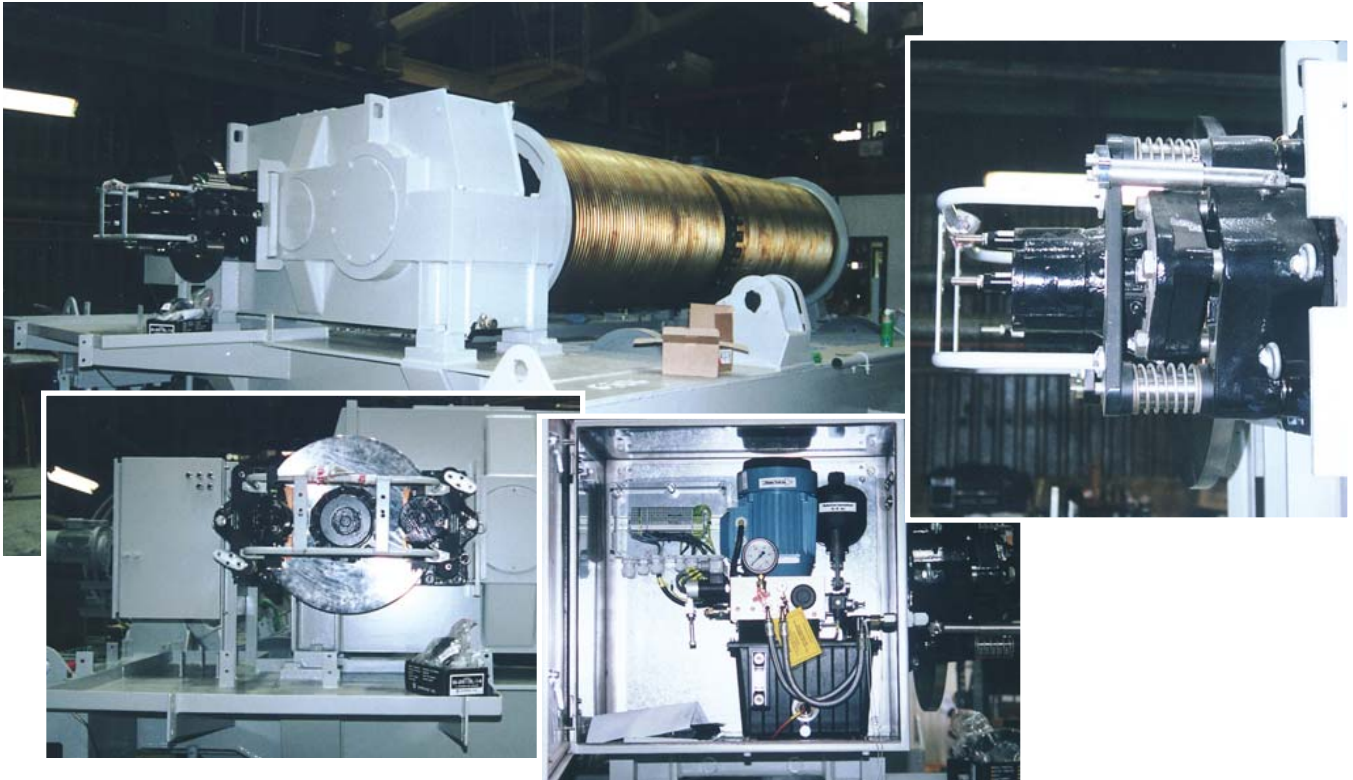


## Crane Reference

Finland



### Scope

Ship Gantry Cranes: Svendborg Brakes was chosen as supplier for the whole hydraulic brake solution, including 32 hydraulic disc brakes, 16 hydraulic power units, 16 brake discs and 16 hubs.

The brakes supplied by Svendborg Brakes were with automatic wear adjustment, AWA. The reason for the customer to choose this solution was that the brakes have to work as service brakes, with 600 operations/hour. This means that the brake pads will wear faster than normal, and instead of service people adjusting the brakes often, it was essential that the brakes could adjust themselves, and by this save maintenance costs for the end-user.

Due to offshore environment, the brake solution had to be protected against corrosion. This means that all exposed parts are made in stainless steel AISI 304, and the hydraulic power units are placed in stainless steel cabinets.

For the ship gantry cranes, each was equipped with 2 x BSFI 340-MS25-400 AWA brakes. The brakes were placed on a 630 mm brake disc, giving a total of 12.000 Nm. Both brakes are operated by a hydraulic power unit, which includes hand pump for emergency lowering and quick start function for fast opening of the brakes.