

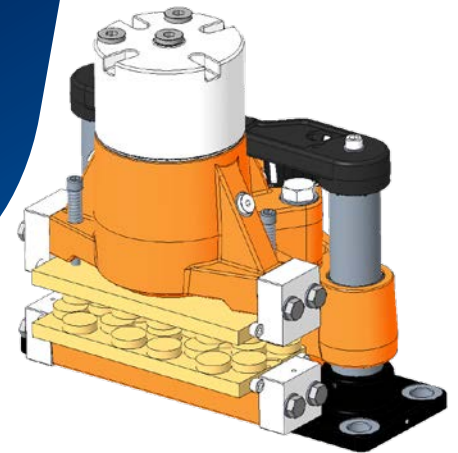
CORROSION-RESISTANT BRAKING FOR GANTRY CRANES DELIVERS HIGH-CYCLE PERFORMANCE

PROBLEM

Ship gantry cranes operating in offshore environments face constant exposure to corrosive elements like saltwater and humidity. Additionally, these cranes perform up to 600 braking operations per hour, leading to rapid brake pad wear and frequent maintenance needs. A reliable, low-maintenance, and corrosion-resistant braking solution was essential.

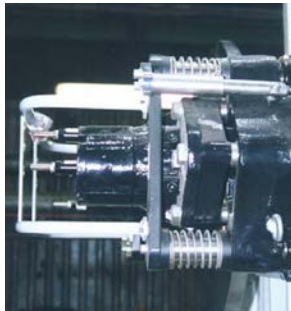
SOLUTION

Svendborg Brakes was selected to supply a complete hydraulic brake system for the gantry cranes, including 32 hydraulic disc brakes, 16 hydraulic power units, 16 brake discs, and 16 hubs. Each crane was equipped with **2 x BSFI 340-MS25-400 AWA brakes** mounted on 630 mm discs, delivering 12,000 Nm of braking torque. The brakes featured Automatic Wear Adjustment (AWA) to reduce maintenance and were housed in stainless steel AISI 304 to withstand offshore conditions.



HIGHLIGHTS

- High-cycle performance designed for 600 operations/hour without manual adjustment.
- Automatic Wear Adjustment (AWA)
- Corrosion Protection
- Hydraulic Power Units: Include hand pump for emergency lowering and quick-start function for fast brake release.



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