

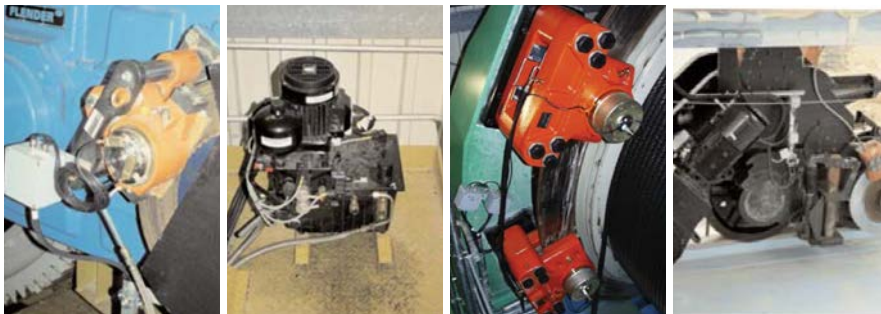
# COMPLETE BRAKE PACKAGE RESTORES SAFETY AFTER STORM-DAMAGED SHIPYARD CRANE

## PROBLEM

A powerful storm in Denmark caused extensive damage to buildings and factories, including toppling a 1000-ton shipyard crane and damaging a container ship under construction. The incident highlighted the need for a more secure and storm-resistant crane system to prevent future disruptions and ensure operational safety.

## SOLUTION

A German crane manufacturer was contracted to build a new crane with a lifting capacity of 1000 tons and a lifting height of 60 meters. Svendborg Brakes was selected to supply a complete brake package for the project. The system included emergency, service, and rail clamp brakes across four winch houses, ensuring full control and stability, even in extreme weather conditions.



## HIGHLIGHTS

### Emergency Brakes:

- Each winch equipped with 2 x BSFA 600 Monospring brakes for emergency stopping.

### Service Brakes:

- Each winch also fitted with 2 x BSFH 300 Monospring brakes for operational control.

### Wheel Brakes:

- 1 x BSAB 90 brake per winch house wheel to keep units securely in place.

### Storm Protection:

- Floating rail clamps installed on the lowest wheels to prevent crane movement during future storms.

### Final Approval:

- All brakes passed the final load test, confirming system reliability and performance.

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