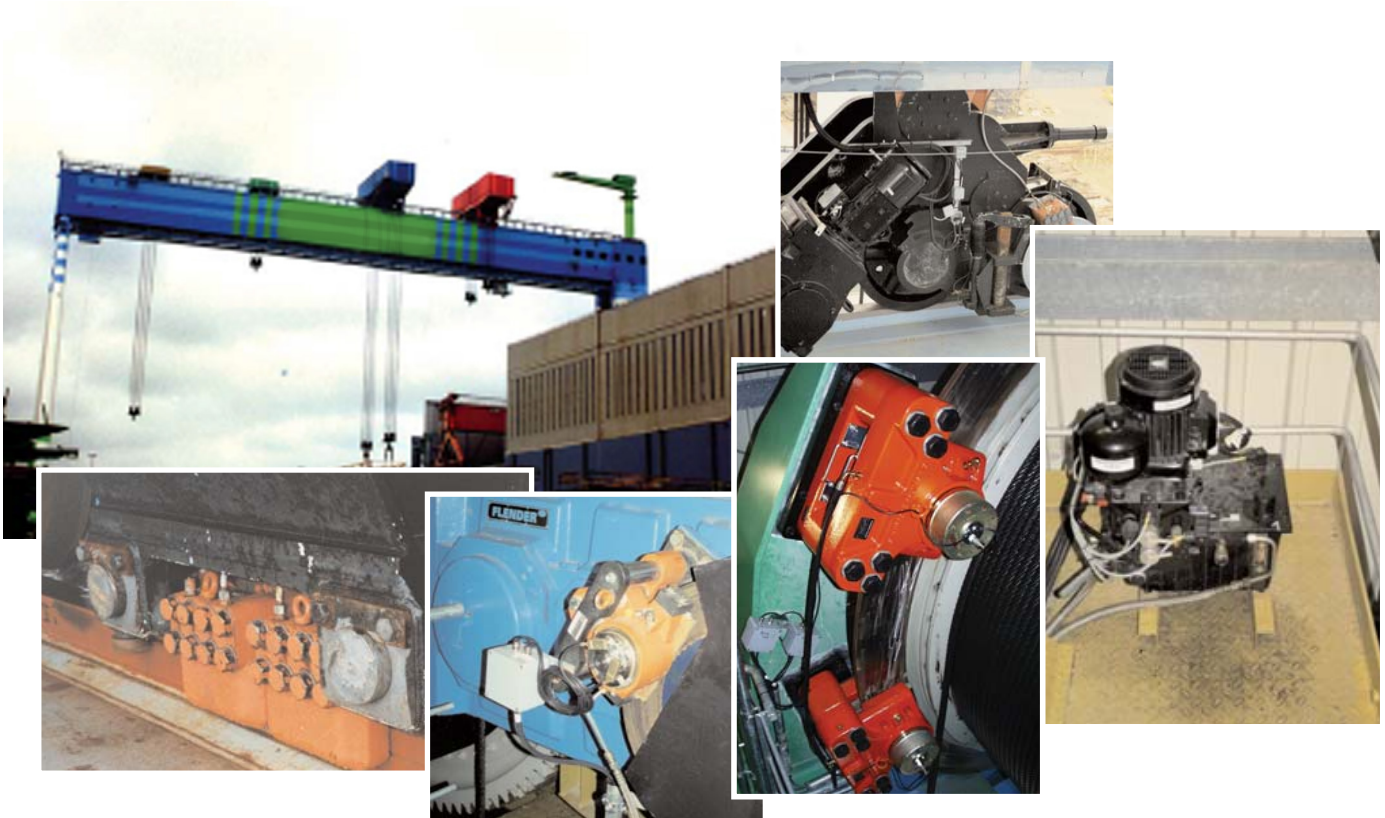


## Crane Reference

Denmark



Denmark was hit by a powerful storm, which caused extensive damage to buildings and factories. It also affected a major Danish shipyard, blowing over a 1000 t shipyard crane, causing damage to a container ship that was under construction.

A German crane manufacturer was awarded the contract for building a new crane, which was to be ready for use 18 months later. Svendborg Brakes was then awarded the contract of supplying all the brakes.

The new crane has a lifting capacity of 1000 t and a lifting height of 60 metres. The crane consists of 4 'winch houses', of

which the 2 lower winch houses are able to operate below the 2 upper ones. This means that sections of a ship can be turned in mid air.

The 2 upper winch houses each consist of 2 winches. Each winch is equipped with 2 x BSFA 600 Monospring brakes, which act as emergency brakes, and 2 x BSFH 300 Monospring brakes as service brakes.

In addition, the wheels for each of the winch houses have 1 x BSAB 90 brake. This ensures that the winch houses remain securely in place. To ensure that the crane will not move in another similar storm, brakes known as 'floating

rail clamps' have been installed on the lowest set of wheels. Following the final load test all brakes were approved.

The contract included:  
12 x BSFA 635-MS30S-101,  
12 x BSFH 320-MS30S-102,  
4 x BSAB 90 floating rail clamps  
4 x BSAB 90 std.  
16 x hydraulic systems