

Swing Bridge in Trondheim



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CLIENT

Norbridge

CONTRACT TYPE

Subcontract

TIME FRAME

2013-2014

LOCATION

Trondheim, Norway

GENERAL CONTRACTOR

Statens Vegvesen

Project description

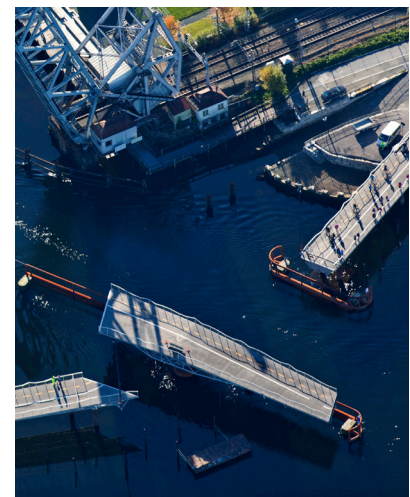
Bladt Industries' part of the project comprised manufacturing, delivery and commissioning of the steel swing bridge itself. The delivery comprised a 45 metres long and 205 tons heavy asymmetrical swing span, two 30 metres long and 65 tons heavy connecting spans and all associated machine and hydraulic systems for the yawing, centring and locking of the bridge.

The bridge structure was completely designed by the client's consultant, while the design and dimensioning of all yawing, machine and hydraulic systems were included in Bladt Industries' part of the delivery. The systems were based on operational requirements and, therefore, the design and dimensioning activities also included greater dynamic analysis of the load impacts on the bridge subsystems during opening and closing operations.

"Swing bridge" is a pedestrian and cycle bridge that connects the neighbourhoods Ila and Brattør in Trondheim, Norway.

FACTS

- 275 tons steel
- 2 fixed sections
- 1 moveable section
- 103 metres long
- Incl. hydraulics



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