The City’s Bridge Odense
Bladt as Main Contractor for Architectural Gem Bridge

A landmark for Odense
In the spring of 2015, the mayor of Odense Municipality could officially open the city’s new pedestrian and bicycle bridge “The City’s Bridge”, which creates a unique link between the city and the harbour. The bridge is built as an asymmetrical cable-stayed bridge with a bridge deck comprising double curved arcs, which elegantly turns over the railway track terrain west of Odense Railway Station Centre.

Long Lengths of Steel
The bridge extends over 20 busy railway tracks and comprises 135 metres of welded, closed steel box girders with a total weight of 403 tonnes, two 90 metres long concrete ramps and two seven metres high concrete stairways. From the bridge there are also stairs and lifts connecting the platforms.

The bridge’s longest span is carried by stays, hanging from a 37 meter high conical pylon with guy wires and stabilized by four forward facing and two rear facing stays, anchored on the south side of the bridge. The pylon is packed in highly polished stainless steel, which gives it a mirror-like appearance reflecting the movements over and on the bridge.

“Bladt has a high level of competence in steel production and installation, which has been very clear in both delivery and installation of the steel segments over the railway, which was exemplary.”
- Poul Ivan Ikkala, Team Leader, Odense Municipality

More than just steel
In addition to the building and installation of the steel bridge, Bladt’s delivery comprised earth works, foundations, concrete, paving, lifts, lighting, planting, etc. The basis for preparation of all production, construction and installation drawings was based on a 3D-model made by the client’s architects and consulting engineers.

“The manufacture and installation of bridges with complex and untested architectural geometries and details is always linked with big challenges. The fact that the project was to be carried out in cooperation with several subcontractors and suppliers and under a completely non-negotiable timetable has also called for intensive coordination and management.”
- Rasmus Aarnaud Pedersen, Project Manager, Bladt Industries A/S

The City’s Bridge in Odense has provided tangible evidence of Bladt Industries’ competences in the field of bridge building and hard-core project management and a milestone for our activities in the building and construction industry. The bridge is a project that has been delivered on time and without unplanned disruption of the railway traffic.

A Selection of Bridge Projects carried out by Bladt Industries
- Svingbru (Swing Bridge) Trondheim, Norway - Statens Vegvesen (the Norwegian National Highway Authority)
- Upper Sund Bridge - Drammen, Norway - Statens Vegvesen
- Stibro (Pathway Bridge) Henne Mill Stream, Denmark - Henne Beach Home Owner’s Association
- King Frederik IX’s Bridge - Nykøbing Falster, Denmark - Banedanmark (the Danish National Railway Infrastructure Organisation)
- Closed Walkway Bridge- Tromsø, Norway - Langnes Trade Park
- Nidelva Bridge - Trondheim, Norway - Norwegian Vegvesen
- The Ågade Bridge Copenhagen, Denmark - the Municipality of Copenhagen
- Stibro (Pathway Bridge) Køge, Denmark - Køge Municipality

Quality is everything

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steel solutions built for the future

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