

## Litjsundbrücke



### SHORT DESCRIPTION

As part of the Imarsund project, a new road connection was built on the coast of Norway, west of Trondheim.

### THE PROJECT

In addition to approx. 1,000 m of road construction, the project included a 580 m long steel composite bridge (Imarsund Bridge) and a 300 m long prestressed concrete bridge (Litjsund Bridge).

The prestressed concrete bridge is named after the Litjsund it crosses. It consists of 3 fields and has a span of 160 m in the main field. Both pillars were erected in the water.

The superstructure with a box-girder cross-section was cantilevered, the length of the sections is 5 m and the superstructure was prestressed using BBV L12 tendons, steel quality 1860 N / mm<sup>2</sup>.

This project is the first application of the European BBV approval ETA-05/0202.

## SERVICES IN DETAIL

Tendons

### FACTS

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<b>Location</b>	Nähe Trondheim , Norway
<b>Status</b>	completed
<b>Start of construction</b>	April 2005
<b>Completion</b>	August 2006
<b>Building owner</b>	Statens Vegvesen
<b>Contracting entity</b>	Bilfinger Berger
<b>Planning</b>	Norconsult

### SERVICES

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Post-tensioning system

Bridge construction



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<https://www.bbv-systems.com/en/projects/detail/ref/litjsund-bridge/>

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