KS-2 Tangenvika Jernbanebru, Norway

SHORT DESCRIPTION

The project consists of a new railway bridge between Espa and the Tangen peninsula in Norway.

THE PROJECT

As part of a new railway link between Kleverud-Sørli-Åkersvika, a new railway bridge will be constructed for the Bane NOR over Lake Mjøsa, between Espa and the Tangen Pennisula.

The bridge design caters for a double-track railway arrangement, with construction works being performed by the Implenia Norway division and when complete will be the longest railway bridge built in Norway (1042m).

The superstructures are being built span by span using the movable scaffolding system (MSS) method. The structure involves 15 spans and will incorporate BBV Systems' L19 (Coupled) & L22 internal post-tensioned tendon.

The internal bonded BBV PT system is used for the longitudinal post-tensioning of the main bridge superstructures.

SERVICES IN DETAIL

- Internal Bonded multistrand post-tensioning system
- Approx. 650 tons prestressing steel
- Insitu tendons type BBV L19 & L22, approval ETA 05/0202, steel grade ST 1660/1860, 150mm^2, average length L= 53 m
- Prestressing and grout injection works performed under the Supervision of qualified BBV personnel

BBV Post-tensioning works will be performed between November 2024 – December 2025

FACTS

Location	Stange, Innlande , Norway
Status	Under construction
Construction volume (value of our services)	1.6 M EUR
Start of construction	May 2022
Completion	May 2027
Building owner	Bane NOR
Contracting entity	Implenia Norge
Planning	Norconsult

SERVICES

Post-tensioning system

Bridge construction

https://www.bbv-systems.com/en/projects/detail/ref/ks-2-tangenvika-jernbanebru-norway/

Creation: 13.06.2026 03:57