Åseral Nord





SHORT DESCRIPTION

Åseral North is located in the upper part of the Mandalsvassdraget in West Agder, existing facilities were built in the 1950s. In this undertaking, the Langevatn Dam was replaced by a new stone infill dam, which constitutes 10 meters of increased regulation of the Langevatn reservoir. This has increased the storage capacity from 22 million m3 to approximately 46 million m3.

THE PROJECT

Existing transfer tunnel between Langevatn and Nåvatn had small cross-section, small transfer capacity and partly poor condition. Because of this, 7154 metres of the old tunnel were replaced by a new parallel tunnel. Four branches that took water into the old transfer tunnel had to be moved/reconstructed to adapt to the new regulation height and tunnel.

The tunnelling generally encountered bad rock that required heavy securing, and water treatment facilities were established with several measuring points downstream.

FACTS

Location	Åseral , Norway
Status	completed
Construction volume (value of our services)	600 M NOK
Start of construction	January 2018

Completion	March 2021
Building owner	Agder Energi Vannkraftverk AS

SERVICES

Tunnelling

Infrastructure

https://implenia.com/en/references/detail/ref/aaseral-nord/

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