

## 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 m<sup>3</sup> to approximately 46 million m<sup>3</sup>.

### 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

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

**Completion**

March 2021

**Building owner**

Agder Energi Vannkraftverk AS

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## SERVICES

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Tunnelling

Infrastructure



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

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