

# PROJECT

HWACHEON, SOUTH KOREA

## For more efficiency

A project for the rehabilitation of South Korea's Hwacheon Hydro Power Plant unit #4 is ongoing. While the engineering phase was completed in April 2020, the last phase of manufacturing was concluded by mid-September. The Factory Acceptance Test date for the Francis turbine runner was also mid-September. The last component has been transported to the customer, Korea Hydro & Nuclear Power Co. (KHNP), which is executing the installation itself with supervision from ANDRITZ Hydro experts.

At the end of November 2020, the stacking and winding works of the generator were started on-site. Due to transport limitations and high costs, these works were shifted to the site in order to optimize transport.

In September 2018, KHNP awarded ANDRITZ Hydro the rehabilitation work for unit #4 of Hwacheon, including supply of a new turbine runner, a new generator, electrical

power systems, automation systems, instrumentation and a fire-fighting system.

Commissioning works are scheduled to start in April 2021, and Notice of Acceptance is planned for the end of July 2021.

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**TECHNICAL DETAILS**

- Total output: 108 MW
- Scope output: 1 × 27 MW
- Head: 67 m
- Voltage: 11 kV
- Speed: 200 rpm
- Runner diameter: 2,520 mm

