Storåselva

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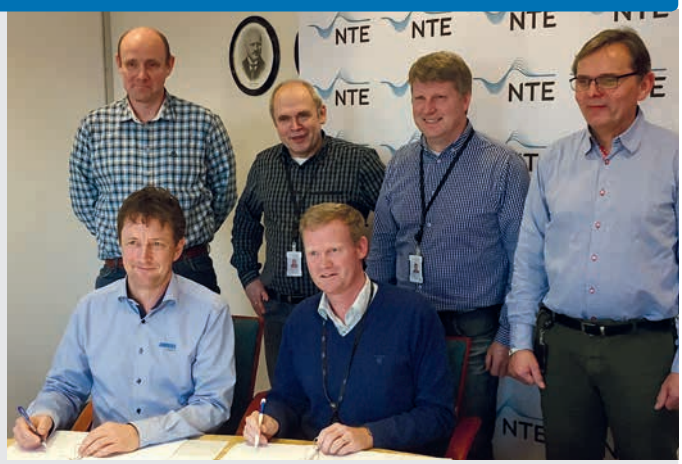
Norway – In December 2015, Nord-Trøndelag Elektrisitetsverk AS (NTE) awarded a contract to ANDRITZ HYDRO for the supply of electro-mechanical equipment for the Storåselva hydropower plant in central Norway.



Owned by North Trøndelag County Council, NTE is a utility focusing on production and distribution of electrical energy. In total the company operates 29 hydropower plants and two wind parks.

The new Storåselva underground power station will be built inside the Skromoen Mountain, with an intake about 1 km west of Mollansetra, 16 km from the city of Snåsa and near the Blåfjella-Skækerfjella Nasjonalpark.

ANDRITZ HYDRO will supply three horizontal 8.85 MW Francis turbines, associated generators, automation system and electrical power systems, inlet pipes, and cooling systems. Engineering, procurement, and manufacturing of the core components were finished in late 2016. Assembly of the generator is now ongoing. The Factory Acceptance Test is scheduled for January 2017.

After commissioning in 2018, HPP Storåselva will deliver about 75 GWh of electrical energy per year.

TECHNICAL DATA	
Output	3 × 8.85 MW
Head	122 m
Speed	600 rpm
Runner diameter	1,037 mm
Av. annual production	75 GWh

Carema

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Italy – Only 11 months after contract signing, the Italian hydropower plant Carema was successfully commissioned in August 2016. ANDRITZ HYDRO received the contract for the supply of electro-mechanical equipment for the hydropower project by COGEIS S.p.A in 2015.

In 2010, ANDRITZ HYDRO began rehabilitating the Tavagnasco hydropower plant for the same customer. HPP Carema, located 60 km east of the city of Aosta in the region of Piemonte, is located close to this project. It utilizes the flow of the Dora Baltea River and the environmental flow from the intake of the Tavagnasco hydropower plant.

During the execution of this project ANDRITZ HYDRO equipped a greenfield powerhouse with one 1,185 kW ECOBULB* turbine, as well as a permanent magnet generator, mechanical auxiliaries, electrical power systems, and automation.

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TECHNICAL DATA	
Output	1 × 1,185 kW/ 1 × 1.25 MVA
Head	3.5 m
Speed	150 rpm
Runner diameter	2,240 mm