

Peru 8 de Agosto and El Carmen

In 2014, ANDRITZ HYDRO France signed two contracts for COMPACT HYDRO projects in Peru.

The total EPC lot (Engineering, Procurement and Construction) is led by Sacyr, a collaboration between the Spanish companies Sacyr and Monte Alto. The contract was signed on the basis of a turbine equipment supply in consortium with the generator manufacturer.

Both hydropower plants are owned by the local company Generación Andina S.A.C, founded by Energie Baden-



Württemberg AG and Peruvian developer Andes Generating Corporation S.A.C. – and currently owned by Union Group.

HPP 8 de Agosto and HPP El Carmen are located in the district of Monzon, in the province of Huanuco, around 640 km north of the Peruvian capital Lima.

For HPP 8 de Agosto ANDRITZ HYDRO will deliver two generating units, including two 10.6 MW horizontal Francis turbines, main inlet butterfly valves (DN1400), hydraulic pressure units, and the cooling system. The scope of supply for HPP El Carmen consists of two generating units, including two 4.4 MW six-jet vertical Pelton turbines, main inlet butterfly valves (DN800), and hydraulic pressure units.

Both projects are expected to be in operation by the end of 2015.

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TECHNICAL DATA

El Carmen:

Output: 2 x 4.47 MW
Head: 228 m
Speed: 720 rpm
Runner diameter: 820 mm

8 de Agosto:

Output: 2 x 10.62 MW
Head: 128 m
Speed: 720 rpm
Runner diameter: 1,006 mm

Italy Groppello

ANDRITZ HYDRO has received a contract from ENECO for the supply, erection and commissioning of the complete Water-to-wire package for HPP Groppello in Italy.

The new Groppello hydropower plant is located in the province of Lombardia in northern Italy.

ANDRITZ HYDRO Grenoble, France is responsible for the turbine, the speed increaser, and the mechanical balance of plant.

ANDRITZ HYDRO Schio, Italy will supply the generator, the electrical power systems (EPS), and automation, as well as the SCADA system.



The realization of small hydropower projects in Italy is being enabled by renewable energy incentives supporting the mini-hydro market.

The commissioning of the complete electromechanical equipment at the Groppello small hydropower plant is scheduled for November 2015.

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TECHNICAL DATA

Output: 833 kW
Head: 4.35 m
Speed: 156 rpm
Runner diameter: 2,200 mm