

ABB to deliver S+ Operations and controls to Statkraft hydropower plants



ABB is the world's leading supplier of power and automation products and systems for hydropower plants – from automation systems and electrical balance-of-plant to generator circuit breakers, power transformers, switch-gear, motors and drives.

ABB solution

For Statkraft, ABB is providing complete refurbishment of plant and unit control and protection systems, synchronization, medium- and low-voltage distribution cabinets and cables, emergency supplies and DC switchgears, plus erection and commissioning.

The local control system is based on ABB's S+ Operations combined with ABB AC800M controllers and I/O, and is the first such system to be delivered to Statkraft in Norway. ABB commissioned the first plant at the end of 2015.

The ABB difference

For generating assets including hydropower plants, S+ Operations delivers high performance human machine interface, integrated operations, life cycle management, information and alarm management, security, process optimization, and provides a flexible, scalable fault-tolerant design.

ABB partners with power customers the world over to help them successfully manage their hydropower assets, from design to operation, plant floor and enterprise level.

Customer need

To ensure aging hydropower assets in Norway and Sweden are in peak operating condition, Statkraft launched a program in 2014 to upgrade older plants by 2020, organizing the refurbishment projects into “bundles” of plants located in particular geographic regions.

ABB won a contract in 2014 to refurbish control and protection systems in Statkraft Bundle 3, which includes four hydropower plants, plus options for an additional two plants.

The power plants are as follows: Hogga 20 MVA, Lio 50 MVA, Mår 200 MVA and Tokke 480 MVA.

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