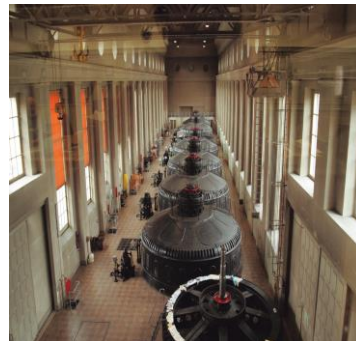


Eglisau hydroelectric plant, Eglisau (Switzerland)

Industrial monument is rejuvenated with the latest technology

Project description

The listed Eglisau-Glattfelden boundary power plant has been using the hydropower of the High Rhine between the mouths of Thur and Glatt rivers for electricity generation since 1920. In December 1998, Switzerland issued a new concession until the end of 2046 in agreement with the State of Baden-Württemberg and the Eglisau-Glattfelden AG (KWE) power plant. This makes it obligatory for KWE to expand the power plant (increase the process water volume from 400 to 500 cubic meters per second m³/s) as well as to undertake measures to compensate for the environmental impact caused by power plant operations. The expansion measures are now well underway. Several of the recently integrated Kaplan turbines are already in operation for the increased process water volume of 500 m³/s. This increases the output of the power plant by 37% to around 43 megawatts. Annual generation is also set to rise by 25% to around 306 million kilowatt hours.

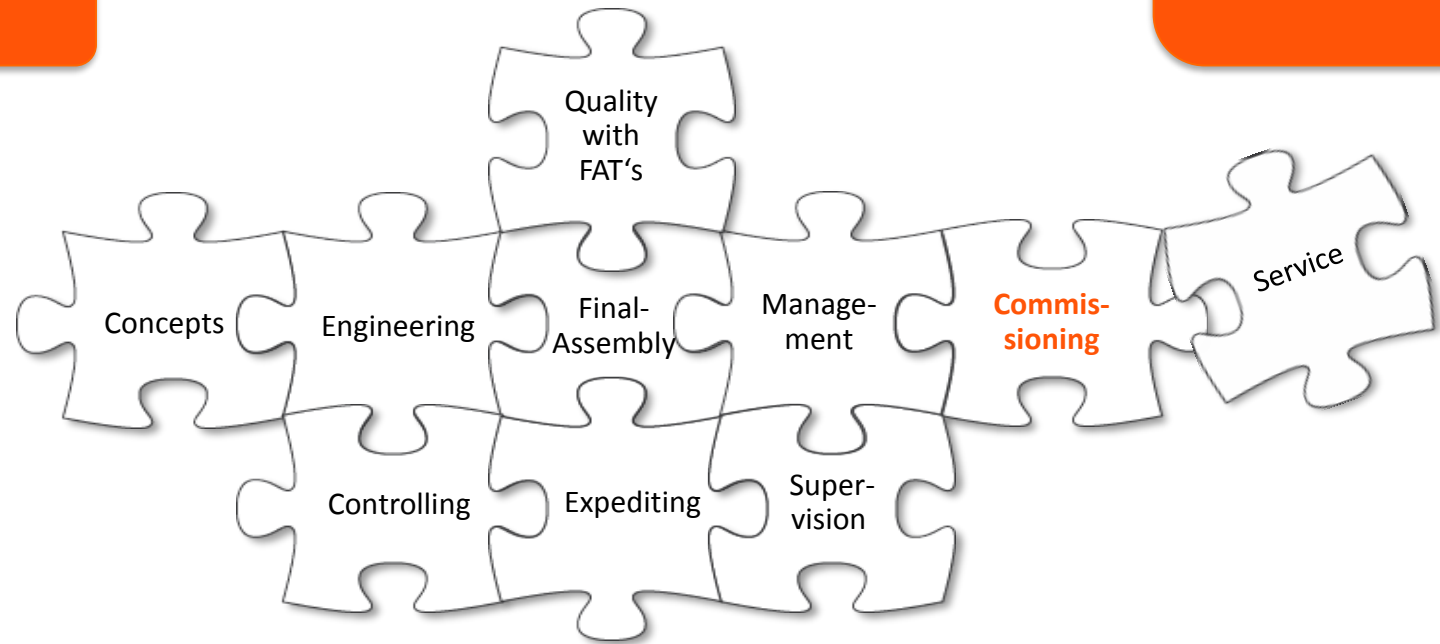


The role of INP Switzerland

By 2012, the Heidenheim-based Voith Siemens hydroelectric power plant technology division had supplied seven 6.7-megawatt Kaplan turbines including turbine regulators, the associated generators and control systems. INP Switzerland was commissioned to implement a protected start-up as well as perform secondary and primary testing of Machine 2.

Smart E-Engineering-Services

Flexibility Throughout the Project



- Testing of all power circuits
- Testing of input and output signals
- Testing a load-free scenario
- Primary and secondary testing of the machine



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