

ABB STAL VAX steam turbine overhaul

A paper mill far up in the North of Sweden started the process of selecting their partner for the upcoming major overhaul of their steam turbine type VAX HP25 of 29MW. Energetic was selected as the new partner, and by that becoming the first 3rd party company to service the steam turbine since it was installed in the early 00's.

The challenge of the project was to minimize down time as much as possible. Energetic could offer a schedule of for the complete overhaul to fit within the 2 weeks planned machine downtime, meaning plant outage. Meaning that the client would not loose one single MW from of available steam production entering the turbine.

The approach of close collaboration with Energetic worked as a close team together with meant the turbine rotor was already out of the barrel by the third day of disassembling. As planned, inspection could start as planned in an early stage in order to maximize time in case there was need for repairs. But no major issues was found and in the end, only some a limited number of bearings was replaced with by new ones from the customer warehouse.

Assembly could also start as planned and the turbine was completely assembled and ready for start-up 24 hours before deadline. Energetic was later asked to take care of the old spare parts used in order to repair or manufacture new parts ready for stock intake.

