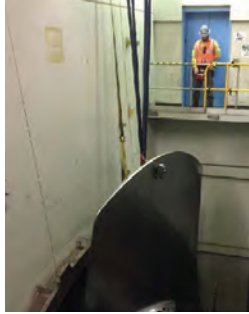




HYDRO



KAPLAN BLADE LOWERING AND INSTALLATION



RUNNER HUB LIFTING AND INSTALLATION



Hydro Turbine Maintenance, Repair & Overhaul

Since 1997 BHI Energy has been performing mechanical field services in support of Hydroelectric Power – working on over 150 units at over 50 hydro facilities. During our history in Hydro, BHI has worked on Vertical and Horizontal Kaplan, Francis, Fixed Blade (Propeller) and Pumped Storage Turbines providing the following support:

- Turbine Rehabilitations including installation and rehabilitation of runners, wicket gates, bearings, servos and needle valves
- Installation of new turbine generators including penstock liners, turbines, generators and uprates

- Disassembly/reassembly, inspection, troubleshooting, repair, upgrade and alignment
- BOP work including installation and upgrade of lube oil, hydraulic oil, cooling water, instrument and plant air, and electrical systems
- Trash Racks / Grating & Gates Repairs & Replacement Support
- Cavitation Repair with Certified Welders
- On-site Machining Support
- Generator Stator Coil removal and replacement

- Oil/Air cooler repair and Replacement
- Design, build, supply and inspect custom built scaffold and work platforms
- Inspection and Alignment
- Rotor pole refurbishment and replacement

In addition to providing Project Management, Technical Direction, Supervision and Craft Labor, BHI is equipped with complete Tool & Rigging Modules to support a complete Turbine/Generator rehabilitation/uprate project.



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