

Integrated Services

Hydro Power Station

Aurora was awarded £1.7M to deliver EPC works on a hydro power station between 2025 and 2027. The scope included full-site laser scanning, detailed pipework design, fabrication, installation, and inspection of replacement systems. The project involved complex pipework replacement and valve upgrades within an operational hydroelectric facility. The objective was to design, fabricate, and install replacement pipework and valves while ensuring safe lifting operations and maintaining system integrity within a live hydro power station environment.

Our Solution

- Full-site laser survey and detailed design, including isometrics for 2,300m of pipework
- In-house pipework fabrication, NDT, and hydrotesting
- Management of site lifting operations and installation of replacement valves (including 60te valves)

At a Glance

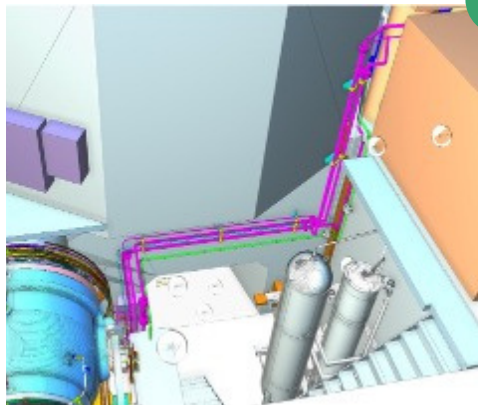
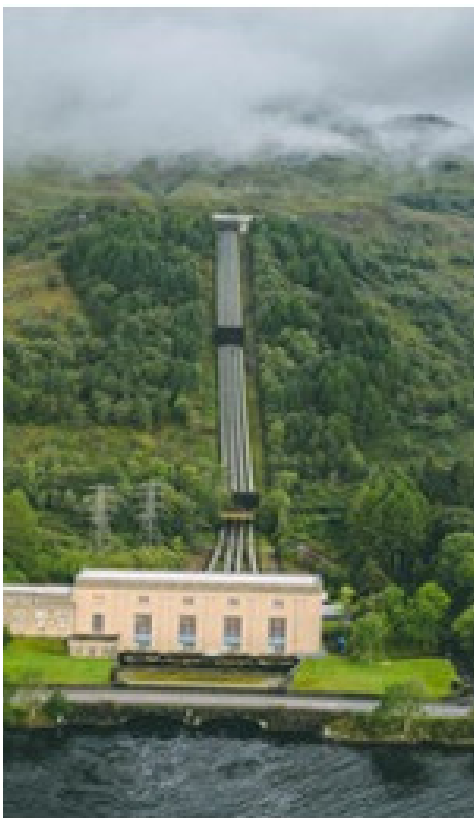
Challenges

- Working within an operational hydro power facility
- Handling and installing large, heavy components (up to 60te valves)
- Integration of new pipework into existing infrastructure, including concrete-embedded sections

Value to client

Aurora delivered a fully integrated EPC solution, managing the project from initial survey through to final installation, ensuring a seamless and efficient execution. High-quality fabrication and testing were achieved through in-house capabilities, enhancing overall quality control and reliability.

The upgraded pipework and valves improved the performance and longevity of the hydropower system, while all lifting and installation operations were carried out safely and efficiently. This approach provided the client with a dependable, high-quality outcome and long-term operational benefits.



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