

WELDING ACTIVITIES

Hydroelectric production equipment is largely composed of joint welded parts. The entire welding process is a special process requiring a high level of skills and special monitoring from design right through to production.



This will insure the sound operation and safety of the installations. The Sion-based centre of expertise assures technical support and follow-up during each phase, from design to monitoring of installations.

Methodology

- checking and inspection of equipment
- in accordance with EN.ISO.17635, EN.ISO.17638, EN.ISO.17639, EN.ISO.3452-1 and CCH70-3 standards
- analysis of fitness for service in accordance with API.579 or BS.7910
- research and design carried out in accordance with EN.13445, Eurocode EN.1993-1, Directives 97/23/EC and 95/16/EC, EN.1315
- fabrication in accordance with ISO.3834-2

PRESTATIONS COMPLÉMENTAIRES

Non-destructive testing (NDT)

Non-destructive testing makes it possible to detect cracks or porosity, bulk defects in a mechanical part, without altering it.

CONTACT

HYDRO EXPLOITATION SA

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- @ Prendre contact

Specific skills

Our experts can :

- provide technical support and/or training in the sectors of welding metallurgy, design, industrialisation and production of joint welded parts and lifting devices
- performing or validating the WPS, welding specifications, product ranges as well as procedures or files relating to the production of joint welded parts
- validate the design and dimensions of the welds
- of joint welded parts and of lifting devices
- supervise welding operations on location or on site
- supervise the production of joint welded parts in the workshop
- inspect joint welded parts
- calculate the cracks propagation in joint welded
- parts and perform an analysis of associated risks
- performing and/or overseeing projects relating
- to continuous improvement, cost reduction or welding automation

Client benefits

You will benefit from :

- a complete range of services performed by experienced, qualified experts, who are few and far between in Switzerland
- relevant information on the current condition and lifespan of the joint welded parts in operation
- advice on repairs or potential improvements
- a dedicated contact person offering a full range of services