

A person stands in the center of a large, circular concrete tunnel. In the foreground, a black metal frame is positioned, partially obscuring the view. The tunnel's interior is illuminated from above, creating a bright glow at the top and a dark shadow at the bottom. The person is silhouetted against the light. The tunnel walls are made of concrete with visible horizontal lines.

etaeval

We have carried out field tests in more than 100 hydro-power plants in Switzerland, Europe and worldwide.

Measurements

Monitoring

Simulations

Expert activities

About etaeval

etaeval is a company **independent** from turbine manufacturers, operators or other stakeholders. We examine turbines, pumps or entire hydropower plants for their performance, efficiency and safety. Our motivation is to employ state-of-the-art measuring techniques and simulation tools.

Why we measure efficiency and sediments:

Optimizing assets. Driving profitability.

- Investments are secured. Through an objective data basis for decisions and guarantee proofs.
- Operational safety is increased. Thanks to the early detection of wear and risks.
- Your added value is assured. We show optimization potentials.

Our Services

- **Measurements:** We conduct efficiency and performance tests on turbines and pumps according to IEC Standards and guarantee the highest accuracy.
- **Simulations:** Using flow (CFD) and system simulations, we analyze complex hydraulic relations to identify weak points and improve operational concepts.
- **Monitoring:** With etahydro, we offer a digital solution for continuous efficiency monitoring, which enables predictive maintenance and long-term efficiency improvement.
- **Consulting:** We offer independent surveys according to IEC Standards, calculate optimization potentials, and support you with consulting, e.g. for tender documents.

Would you like to learn more?

Get in touch with us!

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