



“Our Mission is to support our client with clarity, pragmatism and efficiency.”

hydrosolving

CONSULTING & EXPERTISE IN HYDROPOWER

www.hydrosolving.com

ABOUT OUR COMPANY

After a PhD in Hydraulic Machines obtained in 2012 at the EPFL in Switzerland, Steven Roth started his career in one of the largest hydropower equipment supplier and then he worked for an operator in charge of 25% of hydroelectric capacity in Switzerland. In 2026, he has created **hydrosolving** with the strong determination of sharing his solid knowledge worldwide.

www.hydrosolving.com

INTERESTED TO WORK WITH US?



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OUR SERVICES



TECHNICAL EXPERTISES

Address complex technical issues related to hydropower mechanical equipment with multiple competences



OWNER'S SUPPORT

Support critical validation processes to find out the best solutions



TECHNICAL STUDIES

Carry out technical studies for refurbishment, renewal or maintenance project

AREAS OF EXPERTISES



HYDROPOWER SYSTEMS

Mechanical equipments | Valves | Turbines | Pumps | Pump-storage | Hydraulic transients



HYDRAULIC MACHINES DYNAMICS

Fluid and structure mechanics | Vibrations | Rotating machine dynamic behavior | Mechanical efficiency



MAINTENANCE AND REBURFISHMENT

Maintenance, refurbishment and renewal studies

ILLUSTRATING EXAMPLES



Critical analysis of supplier's tenders



Attend to on-site acceptance tests for getting an independant assessment



Support teams for establishing internal technical standards



Assessment of technical studies such as FEM or CFD analysis



Data processing for independant assessment

2026

hydrosolving is founded

16+

years of experience

3+

languages : FR | EN | DE

