

Selected Hydropower Assignments 2024-2026

Recent assignments - technical, regulatory and environmental review, hydraulic structures, production modelling and hydropower project support.

The assignments below are intentionally presented in a concise and anonymised form. Client and site names are omitted to preserve confidentiality.

2024

Fish pass design - Aude, France	Design of a fish passage facility on the Aude river.
Associated regulatory file - Aude, France	Preparation of regulatory documentation associated with the fish pass design and works.
Technical due diligence - hydropower refurbishment - Ardèche, France	Technical and regulatory review of a hydropower plant refurbishment project.
Water Agency funding application - Ardèche, France	Preparation of a funding application for works on a hydropower site.
On-site hydraulic measurements - Ardèche, France	Field measurement of hydraulic operating parameters on a turbine installation.

2025

Technical due diligence - Archimedes screw project - Pyrénées-Atlantiques, France	Review of a proposed Archimedes screw hydropower installation integrated into a fish-farming site.
Technical due diligence - hydropower plant on the Loing - Seine-et-Marne, France	Technical and regulatory review of an existing hydropower asset.
Public river domain occupation file - Pyrénées-Atlantiques, France	Preparation of a public fluvial domain occupation file associated with a hydraulic structure.
Execution file - EDF concession hydropower plant - Tarn, France	Preparation of an execution file for works associated with a hydropower plant operated under concession.

2026

Separation of land ownership and hydropower operation - Hautes-Pyrénées, France	Review of the separation between land ownership, hydraulic structures and hydropower operating rights.
New hydropower project study - Hérault, France	Technical and regulatory study for the development of a new hydropower plant.
Coordinated audit programme with a local authority - Pyrénées-Atlantiques, France	Coordinated audit operation covering hydropower plants located within a local authority territory.

Capabilities demonstrated across assignments

Eau-Energie supports existing hydropower assets, refurbishment projects, sites to equip and hydraulic structures involving technical, regulatory or environmental constraints.

Technical review	Hydraulic structures, civil works, turbines, generators, automation, maintenance, refurbishment, repowering and residual life.
Regulatory review	Water rights, permits, concessions, legal consistency, IOTA procedures, operating prescriptions, public domain occupation, land and easements.
Environmental review	Fish passage, reserved flow, sediments, aquatic environments, environmental prescriptions and compliance works.
Hydrology and production modelling	Daily flow series, net head, available flow, equipment-flow scenarios, daily energy modelling and hydrological sensitivity.
CAPEX / OPEX and risk	Identification of priority works, compliance requirements, major maintenance, investment needs and red flags.
Sites to equip	Feasibility studies, recommissioning of mills or existing structures, hydraulic sizing and production modelling.

Investor-oriented approach

For acquisitions, financing, refinancing or repowering, findings can be consolidated into a cross-functional review distinguishing established facts, points requiring confirmation, foreseeable CAPEX/OPEX and technical, regulatory or environmental risks.

Hydropower Technical Due Diligence: www.eau-energie.fr/due-diligence.html

Production modelling: www.eau-energie.fr/productible-hydroelectrique.html