When planning to sell, acquire or finance an operating or planned hydropower plant, one needs to know the true value of the object. A due diligence by Pöyry will give you a comprehensive, in-depth assessment of the object’s value, design and risks.

**TECHNICAL ADVICE**
Pöyry offers support on all technical matters during each phase of a project: design, construction, procurement, grid connection, commissioning, operation and maintenance. We are experienced in reviewing contractual documents, EPC and O&M agreements, performance guarantees, power curve guarantees, spare part solutions and availability guarantees. During the last ten years, Pöyry’s hydropower engineers have been involved in dozens of due diligence projects worldwide, with a total capacity of over 10,000 MW.

**TECHNICAL INVESTIGATION AND SUPPORT**
In order to evaluate an object properly, we offer an objective, thorough investigation of all technical aspects of a project, e.g.:

- Evaluation of the hydropower plant layout with respect to turbine size and class, terrain, obstacles at the site such as roads, residences, power lines or telecom transmission links
- Review of the Hydrology that the project is based on, as well as future development of water resources, including Climate Change projections
- Review of the consents given and consideration of any limits or constraints
- Evaluation of the turbine suppliers’ tenders, design solutions and O&M agreements
- Evaluation of the internal electricity grid and electrical connection design and procedures
- Evaluation of civil works such as roads, foundations
- Evaluation of project management structure and operational implementation planning
- Highlight of potential issues and concerns in a Risk Analysis
- Input to the financial model, e.g. Opex, Capex, availability and production estimates

**DUE DILIGENCE PROCESS**
Pöyry assures you a smooth (technical) due diligence process in two steps. After an initial review of the dataroom, a Red Flag report provides you with an initial scan of the object, identifying major risks or show-stoppers in an early phase. In the second phase, Pöyry provides an in-depth assessment of the object’s value, status, risks and recommendations for a go/no go decision. Pöyry will provide you with a (bankable) due diligence report of the highest standard. As an alternative we offer Selective Focus Due Diligence, which focuses on certain areas based on your needs, providing you with precise analysis of individual situations.
FINANCIAL SERVICES
Pöyry can provide you with an additional range of services covering market entry strategies, competitor analyses, project & asset valuation, financing, deal structuring and market studies including energy and green certificate price projections.

EXPERIENCE AND COMPETENCE
The due diligence expertise of Pöyry ranges from due diligences for the buyer candidates to technical advisory services to the sellers, both onshore and offshore. In addition, we have good experience in providing technical due diligence services for the project lenders prior to construction of hydropower plants. During the years, we have created methodologies and work practices to suit the fast-tracked nature of the due diligence work. We have experts within all hydropower related competence areas, which gives us a unique comprehensive view.

Within Pöyry, experienced project leaders in the areas of turbine technology, electrical and infrastructural engineering, and environmental issues are available.

POST DUE DILIGENCE SERVICE
Pöyry offers a range of continued support services for greenfield and rehabilitation projects:
- Conceptual Study
- Pre-feasibility Study
- Feasibility Study
- Tender Design
- Detail Design
- Operational Support

SOME REFERENCE PROJECTS

- TDD, 7 HPPs in ALMA-ATA Region Kazakhstan
- TDD, 4 hydropower plants (total capacity 245 MW) and an extension project, Switzerland
- DD, HPPs (overall 320 MW) and one Pump Storage Power Plant (200 MW) on Devoll River, Albania,
- DD, 80 MW hydropower plant, Macedonia
- TDD, Cijevna 1 and 2 Run-of-River Power Plants on Bosna River, 18 + 13 MW, Bosnia and Herzegovina
- DD, Angat HPP 256 MW, Philippines
- DD Environmental, Social, Health and Safety including a Technical, Economic and Financial Audit, La Vegona HPP (38 MW), Honduras
- TDD, HPP Hausmening, (3 MW) Austria
- TDD, Boyabat (528 MW), Turkey
- DD, cascade of 13 hydropower plants along the Inn River (total capacity 324 MW), Germany
- DD review, HPPs Grabova s, 6 small hydropower plants (total capacity 27.9 MW), Albania
- DD, 19 small hydropower plants (total capacity 52.2 MW), Spain
- TDD, 3 low-head hydropower plants (total 16 MW) in Tampere, Finland
- TDD, existing high-head hydropower plant Ritom (44 MW), Switzerland
- DD, Caliraya, Botokan, Kalayaan, 2 small hydro and one 700 MW pumped storage plant, Philippines
- TDD, 70 hydropower plants (total capacity 4'320 MW), Switzerland