



HYDROPOWER PLANTS.

ENGINEERING EXCELLENCE.



CONSULTING
ENGINEERS

HYDROPOWER PLANTS

Hydropower, a tried and tested technology, has been successfully used for renewable energy generation for centuries. With hydropower plants having service lives of around 100 years, the investment and operating costs for plants with capacities of up to 1,000 MW and more are very low in comparison to other technologies, contributing to hydropower's current renaissance in many regions around the world.



**150+ HYDROPOWER PROJECTS OF ALL TYPES
 ON ALL CONTINENTS OVER 40+ YEARS**

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In the last 40+ years, ILF has successfully planned and designed more than 150 hydropower projects worldwide, with plant capacities of up to 2,500 MW.

Today, being a full-service provider, ILF actively supports the sustainable transition to renewable energy by providing integrated, interdisciplinary services, from project initiation, design and tender, to commissioning and start-up, for hydropower generation projects of any type and size.

Whilst rendering the services needed in all project phases, ILF always places emphasis on delivering customized solutions that meet the most stringent quality standards and the most complex framework conditions.

▪ **Hydropower Engineering**

- » Low-head plants
- » High-head plants
- » Run-of-river plants
- » Storage plants
- » Pumped storage plants

▪ **River Engineering**

▪ **Sediment Management**



“Hydropower plants, being a proven and economical solution for energy generation, play a central role in energy transition and climate protection.”

Reinhard Fritzer, Senior Expert
Hydropower, Dam and River Engineering

PROJECT HIGHLIGHTS

- Palas Valley and Spat Gah Hydropower Plants (2,500 MW), Pakistan
- Atdorf Pumped Storage Plant (1,400 MW), Germany
- Limmern Pumped Storage Plant (1,000 MW), Switzerland
- Alto Maipo Hydropower Project (531 MW), Chile
- Porabka-Zar Pumped Storage Plant (500 MW), Poland
- Qairokkum Hydropower Plant (174 MW), Tajikistan
- Nam Emoun Hydropower Plant (129 MW), Laos
- Gemeinschaftskraftwerk Inn Hydropower Plant (89 MW), Austria/Switzerland
- Nam Kong 2 Hydropower Project (66 MW), Laos
- Mestiachala 1 & 2 Hydropower Plants (50 MW), Georgia
- Muzizi Hydropower Plant (45 MW), Uganda
- Zoti Hydropower Plant (45 MW), Georgia
- Stanzertal Hydropower Plant (13.5 MW), Austria



Atdorf Pumped Storage Plant, Germany



Muzizi Hydropower Plant, Uganda



Mestiachala 1 & 2 Hydropower Plants, Georgia



Stanzertal Hydropower Plant, Austria



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