



ENERGY & UTILITIES

AREAS OF WORK

Hydropower plants, geothermal power plants, water distribution systems, pumping and water treatment facilities, machinery and metal parts, soil mechanics studies for construction projects.

Hydropower plants

The preliminary work for and design of hydropower plant projects requires extensive research, including soil and rock mechanics studies of structures' surroundings, water measurements, and information on groundwater status. In addition to the above competence, Almenna Consulting Engineers have wide experience in the design of plant and dam structures and machinery, and of project management and construction supervision.

Water distribution systems, pumping and water treatment facilities

Almenna is a leader in consulting services for the preparation, design and supervision of the construction of water distribution systems, pumping systems, and wastewater treatment facilities. Almenna's specialists are highly proficient in the use of a powerful modelling program (Mike Urban) for calculation flow and determining pipes size for sewerage systems. Almenna also offers consulting services for the design of water distribution and district heating systems for population centres and industrial plants.

Soil mechanics for construction projects

Consulting and service for all types of structures including dams, roads, harbours, airports, buildings, and all structures whose foundation design is subject to inspection.

Clients:

Landsvirkjun, Landsnet, City of Reykjavík, Orkuveita Reykjavíkur - Reykjavík electricity and district heating utility, Vegagerðin - Icelandic Road Administration, Faxaflói - Associated Icelandic Ports, municipal authorities.

PROJECTS

- Kárahnjúkur - Hraun hydropower plants - design
- Vatnsfell hydropowerplant - supervision
- Neðri-Bjórsá plant - project design
- Elkem Iceland ferroalloys plant in Grundartangi
- Skaftá diversion
- Kárahnjúkur hydropowerplant - supervision
- Kárahnjúkur hydropowerplant - design
- Hraun hydropower plant, Kárahnjúkur
- ABK - sewerage system in Akranes, Borgarnes and Kjalarnes
- Wastewater treatment plants at Ánanaust and Klettagarður in Reykjavík
- Wastewater treatment plant at Hraunsvík - Hafnarfjörður
- Water distribution lines in Reykjavík
- District heating system in Reykjavík
- Sundahöfn harbour
- Skarfabakki harbour area
- Austurhöfn concert hall - supervision

Head of division:

Ólafur Árnason engineer

Further information can be found on the company's website: www.almenna.is