

Geological Engineer

Mr. Leif-Rune Gausereide

Mr. Gausereide holds a Civil Engineering and Geological Engineering M.Sc. of the Trondheim Science and Technology University in Norway. He has over 25 years of experience as a consultant in geological engineering, underground constructions and tunnel designs for several hydroelectric projects, both in Norway as well as in other countries, including 5 years being a resident Construction Engineer at Alfalfal Hydroelectric Project. Among his recent projects it is worth mentioning his participation in hydroelectric plant projects in Namibia, Pakistan, China, and the DFR of Laos and as part of the Norwegian team of the Koyna Hydroelectric Project, in India. Mr. Gausereide speaks Spanish.

Mr. Gausereide, along with Mr. Bjørn Buen, carried out a study in 1999, on the tunneling system for the current Alto Maipo project.

Geologist Engineer

Mr. Bjern Buen

He holds a Ph.D. in Geological Engineering of the Trondheim Science and Technology University in Norway. He is an internationally known specialist in the field of geological engineering and tunnel construction, with a vast experience in several countries of South America (Chile, Peru, Bolivia, Ecuador and Costa Rica), as well as in projects also in Africa, Asia and Europe.

He has been part of the planning of the Alfalfal hydroelectric project and, in 1999 along with Mr. Leif-Rune Gausereide; they were in charge of the review of tunneling system for the current Alto Maipo project. He has acted as a consultant in tunnel related issues for the Canutillar, Chile hydroelectric project, and has done the reviewing of the design concept for the line 4 tunnels, in the expansion of the Santiago subway.

He has been the author and co-author of around 22 articles on rock mechanics and designing of hydroelectrical projects, and other topics, such as pressure shafts and lake emptying.

Geological Engineer

Mr. Oddbjørn Aasen

Oddbjørn Aasen has 27 years of experience in geological engineering, design and on site follow up of underground construction projects, he has gained a vast experience in hydroelectric energy development projects. This includes a vast experience in the assessment, design and on site follow up of unaligned headrace tunnels exposed to extreme water heights, of up to 1,030 m (Tyin HPP). His experience also includes hydroelectrical projects and unaligned headrace tunnels in Los Andes (Alfalfal I and San Gaban) and in the Himalayas (Nepal).

Mr. Aasen has developed special skills in the area of slurry tunnels, including pre and post slurry procedures, and slurry/water programs (rock, concrete and iron constructions), related to transition cones (penstock transitions) and gates exposed to high pressures (including Tyin HPP, 1030m). He has been involved in several assessment projects that include TBM concepts and on site follow up agreements in TBM projects.

Mr. Aasen lived in Chile between January 1989 and May 1991 working on the design of the tunnel for the Alfalfal project, due to which he is fluent in Spanish.