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Design and Application Facts of a Renewable Energy Project: Tuğra Hydro Electrical Power Plant

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Abstract

Renewable energy is the most valuable source for energy production since its resources are naturally replenished. As fossil fuel resources are being rapidly depleted worldwide, the total market share of the renewables has to be increased with new investments. In this seminar, it is aimed to focus on one of the main type of the renewables, hydropower, by considering the design and application facts of a hydro electrical power plant, Tuğra HEPP, which is invested in Turkey.

About the lecturer

İsmail KALEMCI obtained his B.Sc. degree in Civil Engineering from Middle East Technical University in 2005. After graduation, he worked in Turgay KALEMCI Group of Companies, on developing turnkey renewable energy projects. He focused on both the engineering and feasibility of these kind of projects as well as the administrative and governmental relations for these investments. He also worked on the natural gas distribution network investment which is located in Eastern Anatolian Region of Turkey. He is now working as the energy coordinator of the group companies, managing both the 20 MW_e hydropower project in operation and the natural gas distribution network system which has more than 50.000.000 m³ annual natural gas consumption.

