

STORAGE POWER PLANT

Lower Kaleköy Dam and HEPP Kalehan Genc Enerji Üretim A.S. Turkey, Bingöl



The Upper Kaleköy Dam and Hydropower Plant is located on Murat river in the middle eastern part of Turkey.

As Leader of the Planning Consortium Pöyry Energy executes the detail design for the powerhouse and reviews all other structures like

spillway, intake, penstocks, bottom outlet, diversion structures and switchyard.

Technical Data

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|-------------------------|---|
| • Dam type / height: | RCC / 93 m |
| • Penstock Ø: | 3 x 7.40 m / 1 x 4,20 m |
| • Design discharge: | 611m ³ /s |
| • Gross head: | 91.50 m |
| • Turbines: | 3 + 1 Francis Type (3 main units, 1 environmental flow turbine) |
| • Installed capacity: | 500 MW |
| • Annual energy output: | 1219 GWh |

Services

- Detail design studies
- Powerhouse civil works detail design
- Review of detail design for spillway, intake, penstocks, bottom outlet, diversion structures, switchyard
- Technical specification electromechanical equipment

Execution

2016 - 2018