IM Maggia Engineering SA
Via Stefano Franscini 5
Casella postale 46
CH-6601 Locarno 1
Tel. +41 91 756 68 11
info@im-maggia.ch
www.im-maggia.ch

Fangut (Albania): dam and hydropower Project (65 MW)

Bauherr
Ayen Enerji AS Tirana / Albania

Projektierung
IM Maggia Engineering Ltd in association

Zeitraum
2010–2018

Baukosten
€ 120 million

Leistungen
Feasibility study, construction design, tender documents, realisation and project supervision, workshop tests, general site supervision, commissioning.

Beschreibung
The Fangut HEPP consists of a CFRD dam which forms a reservoir of 135 million m3, a 9,500 m long pressure tunnel, surge tank, valve chamber, 260 m long penstock and power house with two vertical Francis turbines and tailrace channel.

Hauptdaten
Volume of Fangut
- Reservoir: 135 million m3
- Dam height: 92 m
- Dam length: 403 m
- Pressure tunnel: 9'500 m
- Diameter: 5.4 m
- Aquaduct: 125 m
- Diameter: 4.5 m
- Surge chamber: Ø 11 m
- Height surge chamber: 115 m
- Valve chamber: 11x11x15m
- Penstock: 260 m Ø 4.5 m

Power house Fangut
Vertical Francis turbines
- Capacity: 2x 32.75 MW
- Hyraulic head: 130.58-104 m
- Nominal flow: 2x 28.5 m3/s
- Speed: 375 min-1
- Generators: 2x 40 MVA

Valves
- 2 butterfly valves: DN2500 PN16
- 1 safety butterfly valve: DN4500 PN10
- 2 transformers: 2x 40 MVA
- 1 GIS-switchyard





