HEATING UP THE SURFACE
SINCE 2004
• In-house expert team
• 550,000 ha. survey area completed in 5 years.
• 11 reservoir discoveries.
• 5 high-enthalpy reservoirs for energy generation.
• 1 operational, 2 under construction GEPPs
GÜMÜŞKÖY GEPP
LOCATION

License Area: 5000ha

Discovery Date: June 2008

License Validity: 2046
GÜMÜŞKÖY GEPP
VITAL STATICS

System Supplier: TAS Energy Inc., USA
System Type: ORC (Organic Rankine Cycle)
Reservoir Depth: 1250 - 1500 m, 1800-2100 m
Reservoir Temperature: 182 °C
Installed Power: 13,2 MWe
Annual Generation: 105 GWh (gross), 77 GWh (net)
Annual CO₂ Production: 38,000 t/year

DEBT/EQUITY: 70:30
EBRD MidSEFF: $24,9 M
Lease Finance: $9,6 M
Equity: $15 M
Supported by the Scientific and Technological Research Council of Turkey (TÜBİTAK)

**Pilot Facility**
Hybrid geothermal-solar thermal energy system with 200 kW capacity

**Project**
1.5 MWe CSP solar field hybridization to existing 13.2 MWe ORC system

**System**
Parabolic Trough Collector
### GEOTHERMAL RISK & FINANCE

#### PHASE

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GEOTHERMAL
PRIVATE SECTOR RISK MITIGATION
SUGGESTED MECHANISMS

1. AUTHORIZED CENTRAL INSTITUTION
2. IMPORT REGULATIONS
3. LICENSE AREA & SHAPES
4. DATA BANKS
5. DRILLING INSURANCE / SUBSIDIES