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
License Area: 5000ha

Discovery Date: June 2008

License Validity: 2046
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
GÜMÜŞKÖY GEPP
CSP HYBRID PROJECT

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
<table>
<thead>
<tr>
<th>PHASE</th>
<th>PRIVATE SECTOR</th>
<th>PUBLIC SUBSIDES</th>
<th>FINANCING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exploration Phase</td>
<td>2006</td>
<td>2009</td>
<td>2011</td>
</tr>
<tr>
<td>Reservoir Development</td>
<td>2007</td>
<td>2010</td>
<td>2012</td>
</tr>
<tr>
<td>Feasibility</td>
<td>2008</td>
<td>2011</td>
<td>2013</td>
</tr>
<tr>
<td>Commissioning &amp; Operation</td>
<td>2007</td>
<td>2010</td>
<td>2012</td>
</tr>
</tbody>
</table>
SUGGESTED MECHANISMS

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