

# Building Power Plants



**EGESIM EPC LINGAZ BUHARKENT GEPP  
(13.77 MW) AYDIN / TURKEY**

Approved  
Partner

**SIEMENS**

SIVACON

Technology  
Partner

**SIEMENS**

Solution  
Partner

Automation  
Drives

**SIEMENS**

Value Added  
Reseller



## EGESIM ACTIVITIES ON GEPP PROJECTS

EGESIM continues her actions with the establishments for Electrical Power plants from Geothermal and Waste Heat resources on EPC base as to be a unique Co in Turkey; (complete with engineering, procurement and contracting to include electricity and automation up to the acceptance by authorities with commissioning)

- Taking the energy from the resource to the ORC Plant,
- ORC Plant,
- Injection of the heat source to the injection wells,
- Emergency evacuation and Control
- Auxiliary plants such as;
- Motive fluid storage and distribution
- Pressurized air production and distribution
- Fire Fighting Plant with
- Storage tank of API 650,
- Pump station
- Hydrant System
- Fire Detection System
- FM 200 storage and distribution

EGESIM is also dealing and continuing with RESEARCH & DEVELOPMENT for the followings:

- Increase the power production in summer months,
- Prevention of H<sub>2</sub>S emission
- Reinjection of CO<sub>2</sub> back to wells,
- Different application of ORC cycle

WHY US?

- Standardized and customized solutions available
- Optimum and quick solutions with experienced team located in Turkey
- Service for 24 hours
- Sense of quality
- Experiences at 30+ Geothermal Power Plant in Turkey
- EPC Capability and Turnkey Project Management
- The Feasible tailor-made ORC solutions
- Atlas Copco Turbo-expander with Capable for Higher Output
- High efficiency and optimal performance over a wide range of operations
- Superior electrical energy recovery efficiency and plant availability