



EGESIM GROUP



Egesim Group
for Geothermal Solutions

www.egesim.com



Our certificates Of SIEMENS



For more, please visit our website ; www.egesim.com

SIEMENS
Ingenuity for life

Approved Partner Certificate



EGESİM OTOMATİK KONTROL SAN. VE TİC. LTD. STİ.

The company is a certified Partner in Turkey and is authorized to use the name **Siemens Approved Partner – Value Added Reseller**. The certification has been proved in the following program module:

- Drives & Motion (up to 250kW)

This certificate is valid until September 2020

Alexander Frisch
Siemens Partner Program

SIEMENS
Ingenuity for life

Solution Partner Certificate



EGESİM OTOMATİK KONTROL SAN. VE TİC. LTD. STİ.

Certified

The company is a certified Partner in Turkey and is authorized to use the name **Siemens Solution Partner - Automation Drives**. The certification has been proved in the following program module:

- Process Instrumentation
- Industrial Communications
- Advanced Factory Automation

This certificate is valid until September 2020

Alexander Frisch
Siemens Partner Program



Certificate SIVACON Technology Partner

siemens.com/technology-partner

Siemens Aktiengesellschaft,
hereby certifies that

Egesim Enerji Elektromekanik

Gebze OSB 400. Sokak No 410 Gebze
41480 Gebze Kocaeli

Turkey

is a SIVACON Technology Partner.

In the context of the cooperation agreement we grant the company named above the right to manufacture and sell the SIVACON design verified low-voltage power distribution board.

The certificate is valid until: 01.09.2020

Certificate no: 01-0435-07

Lipzig, den 13/06/2019
Siemens Aktiengesellschaft

Eckhardt Schönleisen
Kathleen Koch



SIEMENS



siemens.com/awards

Best in Solution

Solution Partner Toplantısı 2013-İstanbul

EGESİM OTOMATİK KONTROL SİSTEMLERİ SAN. VE TİC. LTD. STİ.

2012-2013 mali yılında "Factory Automation" dalında gerçekleştirdiği proje ile "Best in Solution" ödülünü almaya hak kazanmıştır. Göstermiş olduğunuz performanstan dolayı tebrik eder, başarılarınızın devamını dileriz.

İstanbul, 20.06.2013

Alexander Frisch
Siemens Solution Partner Program

Çağrı Akbay
Siemens Solution Partner Program

Geothermal Power Plants Solutions

PROJECT, ENGINEERING, CONSULTANCY IN GEOTHERMAL ENERGY INVESTMENTS

Project Management Services

- ✓ Coordination to Revealing Geothermal Resources at the Beginning of Research.
- ✓ Technical and Financial Negotiations with Drilling Companies and Selection Suitable Drilling Companies
- ✓ Coordination to Follow up Drilling and Administrative Affairs of Drilling
- ✓ Informing to Management about Coordination of Official Operations and Field Work
- ✓ Support to Investor about Given Information, Documentation and Application to Government Agency
- ✓ Determination of Reservoir Tests and Plant Capacity after Drilling
- ✓ Support to Investor for Management of all the Operations from Order Plant to Start up Power Plant

Feasibility Studies

- ✓ EGESIM energy supplies the following services in the scope of feasibility studies:
- ✓ Artesian and Artificial Flow Modelling in a Geothermal Production Well
- ✓ Power Plant Capacity Calculations According to Reservoir Conditions
- ✓ Investment Cost Calculations
- ✓ Technical Feasibility

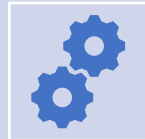
Geothermal Power Plants Solutions

PROJECT, ENGINEERING, CONSULTANCY IN GEOTHERMAL ENERGY INVESTMENTS

Conceptual Power Plant Design



Determination of the best efficient power plant according to reservoir conditions,



Conceptual power plant design and thermodynamics modeling,



Preparation of plant process flow diagram.

Negotiations and Contract Meetings

- ✓ Concept Power Plant Design
- ✓ Preparation of Plant Process Flow Diagram
- ✓ Drawing up Contract to Get a Price Quote of Power Plant
- ✓ Evaluation of Price Quotes Technically
- ✓ Meeting to Evaluate Price Quotes with Power Plant Supplier
- ✓ Support to Bargain During the Contract Negotiation
- ✓ Preparation of Technical and Legal Data Sheet of Power Plant Contract

Geothermal Power Plants Solutions

Gathering System Design and Project

Civil Design and Projects

- ✓ Static and Civil Engineering Calculations and Construction Project Management
- ✓ Calculation and Drawing Static and Construction
- ✓ ACC and ORC Foundations
- ✓ Well Head Foundations
- ✓ Main Distribution Building, Compressor rooms and FC Building Foundation Project
- ✓ Foundations of Re-Injection Pumps and Coll Pit Project
- ✓ Pipe Rack Support Foundations and Pipe Rack-Road Crossing and Pipe Bridge
- ✓ Silencer-Muffler and Weir box Foundations
- ✓ Specification of Technical information Document and Materials List
- ✓ Preparation Civil Balance of Plant Design Project in Accordance with Ministry of Energy and Natural Resources Claims and Monitoring Confirmation Process
- ✓ Preparation of Bid Documents for Builder
- ✓ Monitoring and Evaluation Field Works

Mechanical Design and Projects

- ✓ Well-head Equipment Design (Separator, Accumulator, Pumps and Piping)
- ✓ Production and Re-injection Pipeline Design
- ✓ Conceptual Booster and Re-injection Pump design and Selection, etc.
- ✓ Preparations of General Plant and Wellhead Layouts
- ✓ PID's of all systems
- ✓ HVAC System, Compressed Air, Fire Fighting and Transportation and Storage of Motive Fluid System Design
- ✓ Silencer and Muffler Design
- ✓ Preparation of Installation Specifications
- ✓ Preparation of Technical Specification about Main Equipment and Instrumentations

Geothermal Power Plants Solutions

Gathering System Design and Project

Electrical Design and Projects

- ✓ Drawing Up Electrical Consumption List
- ✓ Drawing MV and LV Single Line Diagrams
- ✓ Preparation of Cable List
- ✓ Short Circuit Calculations
- ✓ Relay coordination calculations
- ✓ Generator and Grid Connection Calculations
- ✓ Auxiliary Transformer, Step up Transformer, Emergency Generator and Reactive Power Compensation Calculations
- ✓ Selection of MV and LV Panels
- ✓ MCC Panels MV and LV Cable Calculations and Preparation of Cable Routes Layouts
- ✓ Cable Voltage Drop Calculations
- ✓ Electrical Design and Projects
- ✓ DC Consumption Calculations
- ✓ Ground Network Calculation and Drawing
- ✓ Calculation and Drawing of Lightning Protection
- ✓ Drawing Plant Fire & Gas Detection and Alarm System
- ✓ Calculations and Drawing FM 200 Gas Based Fire Detection and Distinguishing System for Electrical Rooms
- ✓ Electrical Building, Electrical Equipment & Panels Layout
- ✓ Getting Instrument Data Sheets
- ✓ Preparation Instrument List
- ✓ Instrument Location
- ✓ Drawing Instrument Hook Up
- ✓ Authoring BOP DCS Network & Topology Diagram
- ✓ Preparation of BOP DCS i/o List
- ✓ Preparation of Well P&ID Control
- ✓ Authoring Technical Specification and Data Sheets and Bill of Quantities (B.O.Q.)



SIS ENERJI OZMEN 3 Geothermal Power Plant (22.3 MW)



SIS ENERJI OZMEN 3 Geothermal Power Plant with capacity of 22.3 MW has become the first plant to be synchronized and commissioned in 2019.

EGESIM is the only Turkish company completing all engineering, equipment procurement and commissioning of Geothermal Power Plants on EPC basis.



SIS ENERJI OZMEN 3 Geothermal Power Plant (22.3 MW)

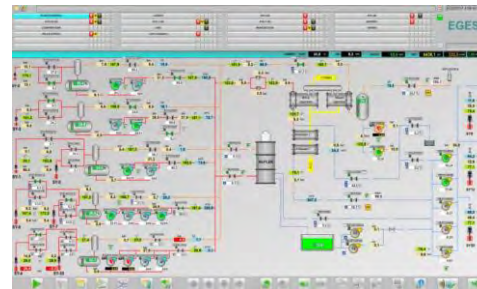


SIS ENERJI OZMEN 3 Geothermal Power Plant (22.3 MW)



Siemens Partner Equipment

- ✓ EGESIM Brand MV Cubicles Siemens Inside (Siemens Vacuum CB, Siemens Protection Relay, Energy Monitoring)
- ✓ Sivacon S8 Distribution and Withdrawable MCC Panels
- ✓ Low Voltage High Power Large VFD Panels
- ✓ PCS7 Process and Automation Control System
- ✓ Siemens Cerberus Fire Detection and Protection System



SIS ENERJI OZMEN 3 Geothermal Power Plant (22.3 MW)

You
Tube

SUBSCRIBE

For more about our project, please visit our
youtube channel..,

https://youtu.be/-ULZVB_auYg

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**SIS ENERJI OZMEN 3 Geothermal
Power Plant (22.3 MW)**