



Celebrating 25 Years of Trust!



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BUSINESS CONCEPT

GEO is an **innovative, creative and pioneer engineering & contracting and manufacturing company** realizing **Turnkey Projects in Combined Heat and Power (CHP) Plants, Power Plants, Industrial Special Purpose Process Plants, other Industrial Installations, and Heating, Ventilating and Air Conditioning Systems (HVAC).**

GEO designs and manufactures various advanced products for **food, chemical, packaging, mining, and energy industry:**

- Reactors
- Margarine Melting Tanks
- Pressure Vessels
- Mixers
- Tank Farms
- Silos and Bunkers
- Heat Exchangers
- Economizers
- Degassers
- Adsorption Chiller
- Transformer Drying Furnaces
- Chemical Treatment Furnaces

HISTORY

Based on **over 10 years of experience in engineering, GEO** was **established in Bursa in 1993** and **reorganized in Izmir in 1999** by preparing 5-year strategic development plans.

From early 80's till early 90's:

FORMER EXPERIENCE IN ENGINEERING

- NATO Projects, Special Purpose Avionic Facility Building Systems
- Projects in Substructural Energy & Power Plants for Multinational Companies using SCADA Systems

After Establishment till 1999:

ESTABLISHMENT PERIOD: 1993 - 1999

- Natural gas system implementations and boiler rooms for more than 100 factories of well-known International Companies such as BOSCH

FOUNDATION PERIOD: 1999 - 2003

- Co-generation Power Plants and Industrial Plants all around Turkey

EXPANSION PERIOD: 2004 - 2008

- Enhanced its productivity by strengthened its Engineering Department with newly hired qualified engineers and technicians
- Focused on turnkey projects & contracts accompanied with SCADA Systems especially Industrial Special Purpose Process Plants for global companies
- Reorganized the company for future plans by "HRM" (Human Resources and Management) Studies to improve the quality and productivity
- Expanded and diversified its customer base

GLOBAL COOPERATION & RENEWABLE ENERGY PERIOD: 2009 - 2013

- Focused on innovative solutions to energy-related problems through clean and renewable energy technologies.
- Was deeply involved in developing its R&D Department
- Established international cooperation on renewable energy and completed several projects to increase efficiency in energy consumption of power plants.

MANUFACTURING ENERGY TECHNOLOGIES & EXPORT PERIOD: 2014-2018

- Enhanced the capacity of its services by establishing the Design & Manufacturing Department.
- Future investments will help **GEO** develop cost- and energy-efficient products for its customers and diversify the product portfolio for renewable energy applications.

OUR COMPANY TIMELINE

- | | |
|--|------|
| • FIRST NATO INFRASTRUCTURE PROJECT | 1987 |
| • FIRST AVIONIC FAC. SMART-BUILDING | 1987 |
| • FIRST NATURAL GAS CITY INFRASTRUCTURE PROJECT | 1988 |
| • FIRST PROJECT AS AN ENGINEER IN MULTINATIONAL COMPANY | 1988 |
| • FIRST MASS-HOUSING PROJECT | 1989 |
| • FIRST 'ORGANIZED INDUSTRIAL ZONE' INFRASTRUCTURE PROJECT | 1991 |
| • FIRST SCADA & AUTOMATION SYSTEM PROJECT | 1991 |
| • FIRST TURNKEY HI-TECH INSTALLATION PROJECT | 1993 |
| • FIRST PROJECT IN AUTOMOTIVE INDUSTRY | 1993 |
| • FIRST STRATEGIC GROWTH PLANNING | 1994 |
| • FIRST GLOBAL TRADE CONTACT | 1995 |

- FUND ESTABLISHMENT FOR EDUCATIONAL SUPPORT 1996
- FIRST PROJECT IN FOOD (MILK) INDUSTRY 1996
- FIRST PROJECT IN STEEL INDUSTRY 1997
- FIRST CHP INSTALLATION 2001
- FIRST THERMAL POWER PLANT COOLING SYSTEMS PROJECT 2002
- FIRST RENEWABLE ENERGY PROJECT 2002
- FIRST PROJECT IN HOUSEHOLD APPLIANCE INDUSTRY 2003
- FIRST PROJECT IN CONSTRUCTION INDUSTRY 2004
- ESTABLISHMENT OF SPECIAL PROJECTS DIVISION 2005
- ESTABLISHMENT OF R&D DEPARTMENT 2006
- BRANDING START-UP 2006
- ESTABLISHMENT OF THE INTERNATIONAL BUSINESS DEVELOPMENT DIVISION 2008
- FIRST SPECIAL PROCESS PLANT INSTALLATION FOR INTERNATIONAL MINING COMPANY 2008
- FIRST TURNKEY PLANT INSTALLATION IN CHEMICAL INDUSTRY 2008
- FIRST TURNKEY PLANT INSTALLATION IN ENERGY INDUSTRY 2009
- FIRST GLOBAL COOPERATION IN BIOGAS FIELD 2009
- FIRST ADSORPTION CHILLER INSTALLATION IN ENERGY PLANT (FIRST IN TURKEY) 2011
- OBTAINING THE QUALITY CERTIFICATE FOR MANUFACTURING 2013
- MANUFACTURING STAINLESS STEEL AND CARBON PROCESS TANKS 2013
- MANUFACTURING ECONOMIZERS, DEGASSERS, FURNACES 2014
- MANUFACTURING AND EXPORTING NEUTRALIZATION SYSTEM 2015
- FIRST FACILITY INSTALLATION IN PACKAGING INDUSTRY 2015
- FIRST SOLVENT RECOVERY FACILITY INSTALLATION 2016
- FIRST FACILITY INSTALLATION IN CHEMICAL INDUSTRY 2017

DESIGN & MANUFACTURING

GEO designs and manufactures various advanced products for **food, chemical, packaging, mining, and energy industry**.

Our manufacturing site is located in Izmir Atatürk Organized Industrial Zone, one of the **most important production, employment and export centers** in Turkey.

Process Tanks



Process Units



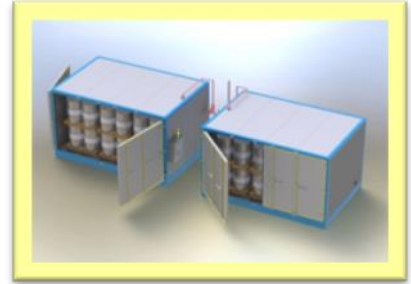
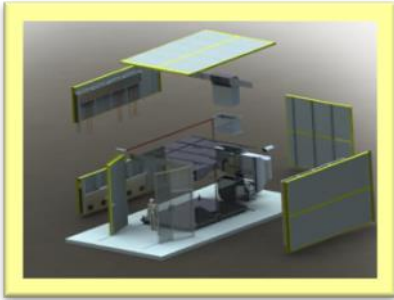
Mobile Process Tanks



Margarin Meltings Tanks



Furnaces



Reactors



Mixers



Pressure Vessels



Energy Recovery Units

Economizers



Degassers



Heat Exchangers



FABRICATION & INSTALLATION

GEO offers a variety of services including **pre-project reports, feasibility analyses, selection and supply of proper material and equipment for your facilities, installation and fabrication of this equipment in accordance with international standards.** After commissioning, **GEO** provides **continuous technical assistance service.**

Taking its strength from **25 years of experience, GEO** puts its **outstanding knowledge** and **significant database** together with its continuous rigorous research and provides high-quality projects for industrial problems.

Turnkey Projects



Process Units

Chemical Plants



Process Automation

Technological Installations



HVAC Projects



Power Plant,

Trigen and Cogeneration



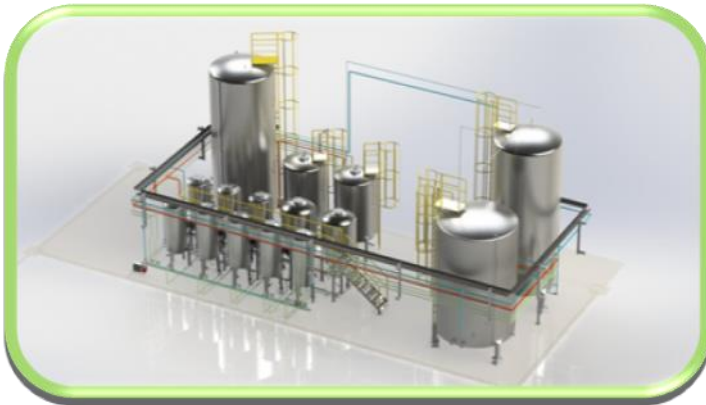
Energy Recovery Solutions



Fire and Vacuum Systems



Cologne Facility Installation 2017 -2018



Adsorption Chiller Technology

Waste heat can be reused in areas including power plants, industrial plants, geothermal plants, tourism facility, hospitals, and airports to reach high-efficiency with low-cost. Adsorption chiller technology utilizes hot water to obtain cold water. Namely, water is used as refrigerant, no Freon, no Li-Br, no ammonium: No hazardous leaks, no corrosion, no chemical testing, no replacement.

Features

Chilling Capacity: 60 KW - 1.400 KW Usage of

Surplus Heat from 50 - 95 °C Constant

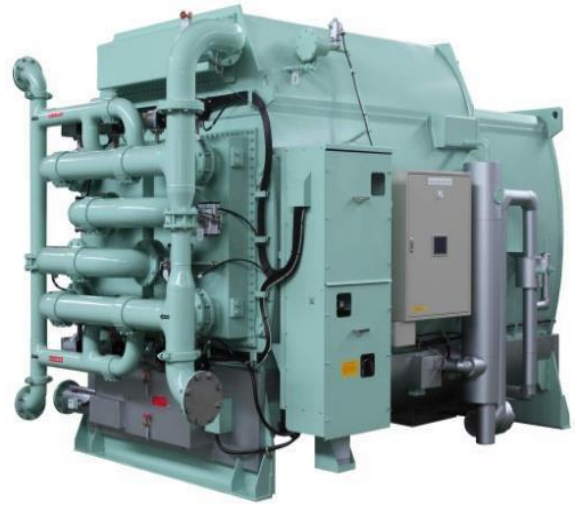
operation – 24 hours / 7 days a week

Produces cold water in 7 mins Supplies 3 °C

chilled water

Main working principle is the natural heat cycle instead of compressor.

Operation life 20-30 years



First in Turkey

Manisa Organized Industrial Zone Power Plant is currently working with an efficiency increased by more than %10 through Adsorption Chiller provided by **GEO**. The device is simultaneously controlled by **GEO** Service Team via online Scada Systems.

We offer solutions for following sectors:

CHEM-MINERAL

PETROCHEMICAL

CHEMICAL / DYE

PHARMACEUTICAL

FERTILIZER

GLASS

FOOD

CANNED GOODS / OIL

JUICE

DAIRY

FROZEN FOODS

PACKAGING

ENERGY- AUTOMOTIVE

ENERGY

TRANSFORMERS

ELECTRIC - ELECTRONICS

PAPER

WHITE GOODS

CONSTRUCTION-

AGRICULTURE

IRON-STEEL

CEMENT

CERAMICS

TOBACCO

ORGANIC AGRICULTURE

We offer solutions for various facilities:

- INDUSTRIAL FACILITIES
- POWER PLANTS
- FOOD PROCESSING FACILITIES
- CHEMICAL PROCESS FACILITIES
- MANAGEMENT BUILDINGS
- OFFICES
- ORGANIZED INDUSTRIAL ZONES

STRATEGIC PLAN

Over 25 years **GEO** has become a well-known engineering & contracting company providing innovative and creative solutions to industrial problems and investments with its strong financial planning.

Today, **GEO** is a **RELIABLE** company with its **HIGH QUALITY SERVICE** and **PRODUCTS, STRONG** and **COOPERATIVE** structure.

INVESTMENT POLICY

GEO is taking firm steps forward to be a leading company by motivating productivity among its employees, focusing on elaborate allocation of its resources and building relationships with its clients based on mutual trust.

VISION

Our vision is to be a leading engineering & contracting company offering highest quality products through pioneering researches.

MISSION

Our mission is to provide high quality solutions and products for our clients by realizing carefully engineered industrial projects.

OUR MERITS

- Reliability
- Innovation
- Environmentally responsible behavior
- Productivity
- Respect for dignity of labor



OUR MERITS

- Honest and ethical business
- Solution-focused strategies
- High-quality products and services
- Experience based self-confidence
- Highly qualified team members
- Strong and dynamic teamwork
- Participatory institutional structure

ENVIRONMENTAL POLICY

GEO is aware of the importance of using clean and renewable energy for the future of our home 'earth' where climate has already started to change.

In order to reduce the negative effects of carbon emission, **GEO** takes firm actions inside the company as well as in its region:

- Realizing periodical meetings and education programs for its employees
- Attaining environmental constraints for every process inside the company
- Carefully removing all of its waste according to the regulations
- Encouraging more recycled material usage and less waste generation
- Promoting efficient energy and water consumption
- Proposing alternative energy-efficient solutions for its clients

OCCUPATIONAL SAFETY AND HEALTH POLICY

GEO considers occupational safety and health as a top priority for the company.

GEO regularly reviews and updates its occupational safety and health policy in accordance with company's special needs.

GEO provides work safety materials for its staff and third persons, and is dedicated to the protection of its employees from on-the-job injuries, and to maintain a safe worksite at all time.

SECTORS OF ACTIVITY

GEO undertakes projects and contracts of

- Turnkey industrial plants
- Industrial installations and piping works
- Energy efficiency and recovery
- Renewable energy
- Power plants and co-generation
- Heating, ventilating and air conditioning systems
- High pressure steam plants
- Natural gas projects
- Fire safety and automation systems

GEO realizes

- Establishment of turn key industrial plants
- Procurement, installation and commissioning of industrial equipment
- Industrial installation and piping works
- Project evaluation and feasibility studies
- Drawings and engineering services
- Natural gas distribution networks
- Natural gas installation for industrial users
- Construction of industrial regions infra-structure (natural gas , etc.)

In order to complete its contracts successfully, GEO

- Focuses on collaboration and coordination with clients
- Works in coordination with other contractors working in the same project
- Establishes cooperation with expert companies
- Provides material on time by the Procurement and Logistics Department
- Realizes high-quality works with experienced employees
- Comes up with clean and renewable energy solutions



GEA Westfalia Separator



In 2018 ;

As GEO we are at your service with our much more technologically equipped, advanced machine parks. And with our brand new factory investment, our qualified technical engineering team, our increasing manufacturing quality and export unit, and our institutionalized company structure.



ENERGY OF MANUFACTURING

CONTACT INFORMATION

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