

OZGUR GULKOKAN

Mechanical Installation & Greenhouse Project/Design Engineer

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PROFILE

Senior mechanical engineer with experience in mechanical installations, HVAC, and modern greenhouse technologies, possessing an analytical mindset. Engineering standards using Excel/VBA macros, optimizing processes and saving time. They are detail-oriented, open to innovation, and results-driven.

WORK EXPERIENCE

Project and Proposal Manager

Timfog Engineering – Kocaeli | 03/2021 - 03/2026

- Performing engineering calculations for plastic and glass greenhouse projects and preparing technical/financial proposals for turnkey projects.
- Designing all climate control systems for greenhouses; managing site surveys, quantity surveying, and cost calculations.
- Automating turnkey project proposal formats end-to-end using Excel/VBA macros to increase operational efficiency.
- Developing dynamic Excel calculation scenarios that enable the analysis of glass greenhouse construction costs in minimum time and with high accuracy.
- Development of specialized software solutions that accelerate the processes of preparing settlement and site plans by directly transferring geographic coordinate data obtained from the TKGM Parcel Inquiry system to a CAD.

Project Engineer

Varnet Glass Greenhouse Systems – Antalya | 04/2018 - 06/2019

- Within the scope of the Uzbekistan Glass Greenhouse Free Zone Project, the design and creation of site plans for Venlo-type glass greenhouses, taking into account the optimization of solar arc.
- Designing greenhouse heating systems, designing machine room layouts, and detailing them in 2D/3D.
- Conducting R&D research on the use of PV panels and alternative climate control systems in greenhouses, and reporting feasibility and unit cost analyses.

Mechanical Systems Engineer

Projects & Fixed-Term Work – Antalya | 02/2013 - 04/2018

- TACA Construction's work at the EXPO 2016 Congress Center included preparing superimposed and shop drawing projects, supervising on-site manufacturing processes, and revising and managing the installation of the space frame system according to the ceiling plan.
- Designing, revising, preparing cost estimates/quantity surveys, and preparing tender offers for the mechanical installation projects of the Mediterranean City Park project undertaken by Antepe Construction and Trade Inc.
- Revision of implementation projects, execution of engineering calculations and quantity surveying/estimation studies for regional mechanical installation contracting firms.
- Creating periodic maintenance plans and coordinating field teams for nearly 100 swimming pools within Antalya's borders.
- Drawing as-built projects of industrial laundry steam systems, analyzing parameters affecting system efficiency, and reporting on heat recovery solutions.

Project Engineer

Maksi Engineering – Antalya | 07/2007 - 01/2013

- Design of mechanical installation projects, execution of isometric/3D modeling processes, and preparation of quantity surveys and cost estimations.
- Preparing as-built, attachment and payment lists and following up on the administrative approval processes.
- Preparing shop drawing projects and undertaking the duties of on-site mechanical installation supervisor.
- Integration of dynamic spreadsheets, compliant with TS/EN, DIN, ASHRAE, and SNIP standards, into engineering processes using MS Excel.
- Mechanical works supervisor on the Mardan Palace Hotel project.
- Major Projects Involved: Antalya Metropolitan Municipality New Service Building, "Shabit" Kazakh National University of Arts (Astana), Alva Donna Exclusive Hotel, Krasnaya Polyana Apart Hotel (Sochi), Baia Hotel, Bilem Hotel.

Spare Parts Manager

Hedef Automotive – Antalya | 03/2006 - 07/2007

- Managing inventory control processes, creating spare parts optimization lists, and recording delivery notes/warehouse entries.
- Solutions are developed through material supply chain tracking, technical grouping of parts, inventory turnover rate measurements, and periodic analysis of idle (dead) inventory.

Technical Staff

TMMOB Chamber of Mechanical Engineers Antalya Branch | 11/2003 - 02/2005

- Inspection of mechanical installation projects for compliance with drawing standards and regulations, verification of calculation tables, and execution of approval processes.
- Organization, planning, and monitoring of Engineer Certification Courses within the TMMOB MMO Professional Development Center (MİEM).

Project Engineer

Sistem Elevator – Antalya | 10/2001 - 10/2002

- Designing preliminary and implementation projects for mechanical installations and elevators in residential projects.

EDUCATION

- Eskisehir Osmangazi University | Mechanical Engineering, Bachelor's Degree (1997 - 2001)
- Anadolu University | Management Information Systems, Bachelor's Degree (2016 - 2020)

COMPUTER SKILLS

- AutoCAD 2D/3D
- Carrier Hourly Analysis Program (HAP)
- MS Office Word / Excel - VBA (Automation & Macros)
- Internet Technologies, Web Design, and Artificial Intelligence Integrations

SPECIALIZATIONS AND CERTIFICATIONS

- Class C Occupational Safety Specialist Certificate (Ministry of Labor and Social Security, 2015)
- Fire Installation Authorization Certificate (MMO, 2005)
- Mechanical Installation Authorization Certificate (MMO, 2002)