

PROFESSIONAL SUMMARY

Civil and Environmental Engineer with over 5 years of experience in civil infrastructure, steel construction, and environmental compliance, currently transitioning into the renewable energy sector. Completed the Solar PV Boot Camp by Sean White and earned the NABCEP PV Associate certification. Preparing for the FE Civil Exam to further solidify U.S. engineering credentials. Previous work includes involvement in biogas and waste-to-energy projects, as well as large-scale construction coordination. Brings strong skills in AutoCAD, Civil 3D, site planning, and technical documentation. Passionate about contributing to sustainable development and solar infrastructure projects in a civil engineering capacity.

KEY SKILLS

- Civil Infrastructure & Site Layout Planning
- Familiarity with solar PV system design principles aligned with NABCEP guidelines
- Renewable Energy Project Support
- Construction Documentation & Environmental Compliance
- AutoCAD, Salesforce, Civil 3D, MS Project, Excel
- Technical Report Writing & Regulatory Documentation
- Project Coordination
- Familiarity with US. Construction Practices & Safety Standards

PROFESSIONAL EXPERIENCE

Professional Development, Houston, TX

2023 – Present

- Relocated to Houston to transition into the U.S. engineering market (2023)
- Completed NABCEP PV Associate training by Sean White via HeatSpring (2023), Passed the NABCEP PV Associate Exam (2023)
- Completed Intensive English Program at Rice University (2024)
- Actively preparing for the FE Civil Exam (FE Exam scheduled for November, 2025.)
- Member of Society of Women Engineers (SWE) – Houston Area

Civil Project Engineer

02/2021 - 10/2023

HILTI Inc. - Istanbul, Turkiye

- Supported steel construction projects by reviewing project specifications and AutoCAD drawings to identify optimal anchoring, fastening, and installation systems in line with structural and compliance requirements.
- Acted as a liaison between engineering teams and construction contractors, ensuring correct product selection, timely material delivery, and proper field implementation.
- Conducted on-site pull-out tests and performance demonstrations of mechanical and chemical anchors, documenting and presenting technical data to clients and site engineers. Delivered over 30 on-site anchor performance tests and product demonstrations, accelerating client adoption of Hilti systems.
- Developed detailed technical and commercial bid proposals, aligning with customer needs and compliance standards in industrial construction environments. Contributed to technical bid proposals that supported a 30% increase in project win rate over 6 months.
- Tracked project activities, field reports, and sales performance using Salesforce, supporting daily reporting, project progress monitoring, and stakeholder communication.
- Delivered hands-on field support and training to construction teams, improving product efficiency and site-level coordination. Trained and supported more than 15 construction teams on product installation best practices, reducing on-site errors by approximately 25%.

Technical Civil Engineer

06/2018 - 01/2021

EKOLOJİK ENERJİ Co., Inc. – İstanbul, Turkiye

- Participated in the design and early construction phases of a new waste incineration facility, supporting site planning, regulatory documentation, and coordination with contractors and municipal authorities. Coordinated task tracking and project planning activities using Microsoft Project to support schedule visibility and update workflows.
- Designed and implemented compliant waste management solutions for industrial clients by analyzing lab sample reports and selecting disposal methods (Biogas, RDF, Landfill) aligned with national environmental regulations.
- Coordinated collection and logistics for over 40,000 tons of hazardous and non-hazardous waste across 200+ client sites, ensuring documentation accuracy and operational efficiency.
- Conducted site-specific technical assessments to support proposal development and optimized disposal strategies based on waste type, site layout, and regulatory needs.
- Prepared technical reports and documentation for environmental permitting, operational planning, and stakeholder communication, in line with national environmental codes and standards.

Intern Civil Engineer

06/2016 - 08/2016

TEKFEN Construction and Installation Company- Ankara, Turkiye

TANAP-Trans Anatolian Natural Gas Pipeline Project-LOT 3

- Contributed to field operations on TANAP, a \$8.5 billion, 1,850 km natural gas pipeline spanning from Azerbaijan to Europe, by assisting with slope control, trench inspection, pipe-lowering and pipe-laying procedures.
- Observed hydrostatic pressure testing, leak detection, and trench backfilling activities, gaining insight into quality control and safety protocols on high-risk energy infrastructure.
- Supported engineers in verifying trench geometry and installation alignments, and gained exposure to trenchless technologies such as Auger Boring and Horizontal Directional Drilling (HDD).

EDUCATION

Bachelor of Science (BS), Civil Engineering-Yildiz Technical University, Istanbul, Turkiye

Bachelor of Science (BS), Environmental Engineering- Yildiz Technical University, Istanbul, Turkiye