

Kaan Usta

Experience

Control Engineer, Ulaştırma Bakanlığı Altyapı Yatırımları Genel Müdürlüğü 08/2025 – 10/2025
Ankara, Turkey

- Airport Infrastructure Design: Conducted technical drafting and geometric design of runways, aprons, and taxiways using AutoCAD, ensuring compliance with international aviation standards.
- Quantity Surveying & Cost Estimation: Performed detailed quantity take-off calculations for earthworks and pavement layers to determine project volumes and material requirements.
- Contract Management & Progress Payments: Assisted in the preparation and auditing of interim progress payment.
- Geotechnical Site Analysis: Collaborated with various departments and evaluated geotechnical reports and site-specific testing protocols for ongoing projects.

Intern Site Engineer, Akon Group 07/2024 – 08/2024
Lüleburgaz, Turkey

- Structural Elements Supervision: Assisted the Site Manager in the comprehensive inspection of formwork and reinforcement prior to the concrete pouring of ground beams, column sockets, and joint connections.
- Geotechnical Quality Control: Actively participated in in-situ soil testing; performed slump/cone tests for concrete consistency and analyzed nuclear compaction test data for warehouse and heavy-duty lorry park subgrades.
- Material & Site Compliance: Conducted Quality Assurance checks on construction materials with senior QC engineers and inspectors.
- Technical Documentation: Authored daily quantity take-off reports, monitored physical progress, and tracked material delivery/consumption logs.
- Equipment & Site Logistics: Coordinated with the Site Manager to oversee the deployment and operational efficiency of heavy machinery fleet (graders, dozers, excavators, and cranes) for large-scale earthworks and structural assembly.

Education

Bachelor Of Civil Engineering, Middle East Technical University, Ankara 2027
Graduation : Spring 2027

Skills And Proficiencies

- AutoCAD
- Microsoft Project
- MATLAB
- Microsoft Office (Powerpoint, Word and Excel)

Projects

Evaluating Bridge Conditions And Climate Effects on D-200 Highway Bridges 03/2025 – 03/2026

Conducted literature review on common failure modes on bridges local and worldwide.

Assessed the effect of climate change (thermal expansion, humidity- corrosion relation) on structural longevity of bridges.

Conducted inspection and rated bridge infrastructure health by evaluating load-bearing elements and embankments, serviceability on the D-200 highway. Performed a comparative analysis of past inspection grades to identify high-risk assets requiring urgent maintenance.

Languages

English

C1

Chinese

A1

Organizations

IACES Metu, *Event Coordinator of ACCESS 2025*

01/2025 – 12/2025

- Organized accommodation, catering, and transportation for 80 international and local participants.
- Managed end-to-end logistics, including venue selection, event itineraries, catering contracts.
- Acted as the primary liaison between vendors and participants.
- Optimized event budgets and vendor relations

Ankara Turkey

Metu EST, *Founder Member*

05/2023 – 03/2025

- Joined the formalization and university acknowledgement of the society.
- Attended technical seminars and network events.

Hobbies

- Paragliding