





Khaial Obid Alshhada

Electrical and Electronics Engineer

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 Saudi Council of Engineers – Membership ID: 1179299

PROFILE

Energetic Electrical and Electronics Engineer with practical training at TEİAŞ (Turkish Electricity Transmission Corporation), specialized in high-voltage transmission systems (170–420 kV), substation operations, and electrical protection systems. Experienced in conducting testing, maintenance, and troubleshooting of critical equipment such as transformers, circuit breakers, and relay protection devices. Beginner in technical drawing and simulation, with a strong motivation to further develop technical skills. Possess strong abilities in teamwork, problem-solving, and communication, and highly motivated to contribute expertise to innovative projects in the field of electrical and electronics engineering.

EDUCATION

Bachelor's Degree in Electrical and Electronics Engineering (2025)

Atatürk University, Website: <https://www.atauni.edu.tr/> Turkey

High Honor Certificate (2024–2025 Academic Year)/ GPA: 3.01/4.00.

PROJECTS

- Autonomous Robot Construction – Atatürk University

Built a robotic car using Raspberry Pi and modules to autonomously collect tennis balls.

- Electronic Circuit Design – Atatürk University

Designed electronic circuits such as an RF oscillator and analyzed their performance.

- Residential Electrical Distribution Design – Atatürk University

Designed a complete low-voltage power distribution plan for residential buildings using AutoCAD.

Calculated conductor sizes and lighting load parameters to ensure efficiency and safety.

- Industrial Control Systems – Atatürk University

Studied and applied control system design to maintain system stability using root locus method.

Conducted multiple laboratory experiments in industrial control, including water tank level control, temperature control, and distance control systems.

WORK EXPERIENCE

- Electrical and Electronics Engineering Intern (Feb – Jun 2025)

Turkish Electricity Transmission Company (TEİAŞ)

Gained hands-on experience in high-voltage systems, including overhead line installation, transformer maintenance, measurement & testing, and protective systems.

- Freelance Academic Research Writer (Jul 2018 – Present)

Developed strong analytical and writing skills by preparing academic content and reports in various disciplines.

TECHNICAL SKILLS

- **Electrical Systems & Tools:** High-voltage testing (AC/DC), Transformer oil sampling & dielectric breakdown test, Relay protection configuration, Circuit breaker testing (Vacuum & SF6).

- **Software & Design:** AutoCAD (schematics & layout), EPLAN (power lines & substation equipment – applied at TEİAŞ), HMI basics, PROTEUS (simulation – university projects), Microsoft Office.

- **Programming & Automation:** PLC basics (Siemens S7), C++.

- **SCADA:** Monitoring and control basics (applied in TEİAŞ).

PRACTICAL ACHIEVEMENTS (TEİAŞ Internship, 2025)

PRACTICAL ACHIEVEMENTS (TEİAŞ Internship, 2025):

- Assisted in inspection and repair of 170kV and 420kV overhead transmission lines.

- Contributed to designing temporary switching keys for facilitating current flow under special operating conditions within the TEKİS (Remote Control System).

- Collected and analyzed 170kV transformer oil samples in laboratory testing.

- Performed functional testing on Vacuum and SF6 circuit breakers (170 & 420kV).

- Applied oil dielectric breakdown test, and executed AC/DC tests on 170kV and 420kV transformers, including the Oltu Transformer.

- Participated in relay protection testing and parameter adjustments across multiple substations.

- Contributed to establishing fiber optic standby routes for multiple substations, linking them with the TEİAŞ central office.

- Assisted in inspecting substation equipment and monitoring connector temperatures during live operations using a thermal camera.

LANGUAGES

- ✓ Arabic: Native
- ✓ English: Advanced
- ✓ Turkish: Advanced

REFERENCES

- ✓ Prof. Dr. İbrahim Yücel ÖZBEK
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