

AHMET BARAN CEVRIM

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HIGHLIGHTS

Electrical Design Technologist with 8+ years of experience delivering designs for industrial EPC and large-scale PPP infrastructure projects. Known for rapidly adapting to new project environments and leveraging engineering automation to accelerate workflows and improve overall project delivery. Currently pursuing P.Eng licensure in Canada.

PROFESSIONAL EXPERIENCE

Utility Solutions Corporation (USC)

Mississauga, ON | Oct 2024 – Dec 2025

As an Electrical Design Technologist, I deliver Hydro One Make Ready design packages to evaluate and enable ISP fibre attachments on Hydro One-owned distribution poles.

- Completed field-data-driven pole capacity and clearance assessments using SPIDAcalc loading analysis, producing permit-ready packages (IFC drawings, HMR inputs, calculations, and markups) aligned with Ontario Regulation 22/04, ESA requirements, CSA C22.3, and Hydro One standards for P.Eng review/approval.
- Leveraged engineering automation to streamline Make Ready QA and documentation workflows, improving turnaround time.

Renaissance Heavy Industries (RHI)

Algeria / Turkmenistan | Jan 2019 – Jul 2021

I contributed to field installation, inspection workflows, punch list coordination, and commissioning readiness. My responsibilities included managing packaged equipment installations, coordinating with subcontractors, implementing inspection and test plans, and preparing systems for client turnover in compliance with project requirements.

- Led field installation and integration activities for electrical and instrumentation systems, ensuring compliance with specifications and commissioning requirements.
- Introduced an NFI-based workflow within the TOMAS turnover management system, enabling the closure of ~4,000 multi-disciplinary punch items and improving client inspection efficiency.
- Implemented electrical inspection and test plans, managing NCRs and NFIs while coordinating internal and external quality control processes.

Projects:

- Electrical and I&C Supervisor, ARZEW ASU & Berkaoui–Ouargla ASU Projects (Air Products – Sonatrach JV), Algeria
- Engineering Field Supervisor, Hassi R'Mel – Boosting Compression Facilities Expansion (Sonatrach / JGC), Algeria
- Electrical QA/QC Supervisor, Zerger 3 ×144 MW Simple Cycle Power Plant, Turkmenabat, Turkmenistan

GAMA – Turkerler Joint Venture (JV)

Turkiye | Feb 2019 – Oct 2019

In the Gama–Türkerler hospital project, I oversaw site QA/QC and coordinated consultant approvals and Ministry / authority submissions for completed works. We issued application drawings and integrated vendor/third-party design inputs into coordinated packages supporting formal acceptance and handover.

- Oversaw site QA/QC and coordinated consultant approvals and Ministry/authority submissions for completed electrical works.
- Prepared application drawings and integrated vendor/third-party design inputs into coordinated deliverables supporting formal acceptance and handover readiness.

Project:

- Lead Electrical Technologist - Kocaeli Integrated Health Campus (PPP Healthcare Project), Turkiye

I contributed to end-to-end delivery of LV and ELV electrical scope under a turnkey (EPC) contract across two 1000+ bed hospital campus projects (Adana & Elazığ), from transformer secondary distribution through final handover and operational readiness.

- Produced and issued AutoCAD construction-ready drawings to subcontractors, coordinating multi-discipline interfaces and verifying field execution through inspections, QA/QC documentation, and punch/NCR closure. field installations, material take-offs, and commissioning readiness activities.
- Maintained reporting, documentation, and interdisciplinary coordination using Microsoft Office tools.

Projects:

- Lead Electrical Design Technologist - Elazig Integrated Health Campus (PPP Project), Turkiye
- Electrical Design Technologist - Adana Integrated Health Campus (PPP Project), Turkiye

SK (Sunkyong) Engineering & Construction.

Turkiye | Dec 2014 – Sep 2016

I applied the project QMS across all site facilities, ensuring I&C installations complied with project standards. I tracked NFI/NCRs, and supported commissioning to ensure systems were ready for turnover.

- Performed I&C field inspections, creating and addressing punch items with NCR/NFI follow-up to close defects.
- Executed and documented instrument calibration, line checks, and loop tests preparing turnover packages for commissioning and operations.

Project:

- Instrumentation & Control Team, QA/QC Technologist Technologist, Tufanbeyli Thermal Power Plant, Turkiye

ENGINEERING AUTOMATION TOOLS – CUSTOM DEVELOPED

- BOM Automation & Verification Tool (Python / Excel-based), Developed an internal automation tool to generate, validate, and standardize Bills of Materials (BOM), significantly reducing manual effort and improving data accuracy across design packages.
- Barcode-Based Drawing & Asset Matching Tools (Python / Excel-based), Designed and implemented barcode-based automation tools to extract, structure, and standardize engineering data from multiple sources, generating automated desktop-ready outputs.
- Site Inspection Applications (Mobile App.), Developed custom tablet applications to support site inspections, enabling structured data entry, photo documentation, checklist-based evaluations, and report generation for field use.

TECHNICAL STACK

- **Engineering Standards & Codes:** IEEE, IEC, CSA, NFPA, OESC, Hydro One Standards.
- **Engineering Design Tools:** AutoCAD, Revit, DIALux, SPIDAcalc, Bluebeam Revu, Microsoft 365.
- **Programming Tools & Languages:** Python, Java, Visual Basic (VBA), GitHub, IntelliJ IDEA, Android Studio, Vercel.

EDUCATION & CERTIFICATIONS

OSPE – Engineering Licensure Readiness Program (ELRP) (Ongoing), Toronto, ON — 2025
Access Engineering Bridge Program, Toronto, ON — 2024
Quality Assurance Engineering Bootcamp, RenasTech, Toronto, ON — 2023
Project Management (Ontario Graduate Certificate), Humber College, Toronto, ON — 2022
B.Sc. in Electrical & Electronics Engineering, Cukurova University, Adana, Turkiye — 2014