

Fahri Soylu

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Electrical Engineer | Instrumentation Engineer | Project Engineer

I am an experienced Electrical Engineer with a demonstrated history of working in oil & gas and petrochemical industry with over 11 years of experience. Skilled in Electrical, Instrumentation, Security and Telecommunication systems - Design, Engineering, Construction and CSU.

Degrees: BSc, Electrical Engineer, University of Kocaeli (2011)

MA, Economics, University of Cukurova (2022)

Technologies: MS Office, MS Project, Autocad, ETAP, Ariba, SAP, Maximo, OTDR

Certificates: ATEX, High Voltage Authority, ABB 36kV HV Relay, Pipeline Monitoring System

WORK HISTORY

Lead Electrical Engineer, BP, Turkey

(09/2019-Present)

Baku-Tbilisi-Ceyhan (BTC) Crude Oil Pipeline Project in Turkey – 1760km. Block valve and Compressor stations. Project execution, Construction, Commissioning and start-up.

- Establishment of project activities included electrical, instrument and telecom systems in pipeline Compressor, and block valve stations. Construction and CSU works executed.
- Review and approve the vendor/design submittals, subcontractor progress payments, and CTRs.
- Preparation of project budget and execution plan with an efficient balance of cost, quality, and time
- Follow up day-to-day project and maintenance activities along the pipeline, marine terminal, and compressor stations
- Review of engineering design drawings and ensure the Process, E&I aspects are feasible and advise on the constructability of the drawings
- Resolution of technical/interface queries from/to the other packages involved in the project
- Development and review of Technical Bid Evaluation, Scoring Models, Tender Bulletins, Technical Clarifications, Technical Specifications, Data Sheets, Material Take Off, I/O List, wiring diagrams, cables list, P&ID, instruments list, Cause & Effect, Installation diagrams, etc. Also, to ensure compliance with the specifications of the contract
- Participated Risk Analysis and HAZOP/HAZID classification studies

Lead Electrical Engineer, ABB, Turkey

(11/2017-08/2019)

Trans Anatolian Natural Gas Pipeline (TANAP) Project in Turkey – 1850km. Block valve and Compressor stations. Construction and CSU works.

- Co-ordinate with various subcontractors in terms of quality, budget control, progress of work and progress payment process.
- Led subcontractor company to install electrical, instrument and telecom equipment as per project requirements
- Follow-up material shipments, re-organization warehouse, material stock management, asset management, work order management
- Supported and managed subcontractor for completion of handover dossiers to commissioning & start-up phase as per the QA/QC norms and project specifications
- Attended safety site visits, walk-downs with the client, punch list clearance, and system handover
- Follow up Management of Change (MOC) process

- Experience in High Voltage (HV), Low Voltage (LV) switchgear, UPS, VFD, ex-proof JB and equipment design, installation, pre-com, commissioning and start-up.
- Managed site installation, check sheets, walk-downs, punch list/clearance and system handover
- Managed multicultural skilled engineers/supervisors

Electrical Engineer, Bridgestone, Turkey

(09/2014-11/2017)

Bridgestone invested \$320 million in the construction of its second plant in Turkey. EPC Project, Design, Construction, Commissioning, and start-up (CSU)

- Managed the full project lifecycle, from electrical design, producing technical proposals and construction phase and start-up.
- Worked with a multidisciplinary team of engineers, reviewed FEED documents, detailed engineering, and technical calculations
- Design HV/LV, cable raceway system, substations, and all above and underground electrical wiring design, calculations, and cost studies.
- Checked and approve Electrical Power System design, single line diagrams, ETAP models, HV and LV systems load flow, short circuit, arc flash reports, relay coordination, and selectivity
- Daily and weekly coordinate meetings with project and construction company, clarify technical issues in order to deliver the project on time and budget.
- Checked and approved all engineering calculations, as per project specification and IEC & API standards. HV/LV Panels, Transformers, all types of cables, grounding system, cathodic protection, lighting systems via Dialux
- Created technical specifications and prepare BOQ for all E&I scope
- Managed and reported 25M\$+ budget
- Reviewed cable specification, installation, and management including calculations which include volt drop, fault currents, and cost efficiency studies

E&I Engineer, Ventech Engineering LLC, Iraq-Erbil

(10/2013-09/2014)

TTOPCO Oil and Gas Project Onshore - Central Processing Facility (CPF) / Greenfield, and Brownfield.

- Prepared E&I bill of quantity (BOQ) lists and purchased order
- Reviewed electrical & instrument FEED documents, project design, and specifications.
- Reviewed P&ID, SLD, Technical DS, DCS, ESD, F&G, control logic diagrams, and vendor manuals
- Managed the installation of Cathodic Protection systems
- Managed the installation of electrical power receiving, EDG, equipment and power layout main substation, MCC, multi-cable transit MCT, electrical equipment & panel layout, earthing & lighting layout, cable tray layout, control logic diagram, and electrical technical documents
- Reviewed and approved technical vendor submittals for installation requirements. Single line drawings, Electrical equipment location drawings, Plan drawings, details, schematics, wiring drawings
- Performed testing according to the ITP (inspection test plan); insulation, continuity cable testing, hot/cold loop checking, earth continuity resistance test, field calibration, instrument function test
- Knowledge of Area Classification, Ex-Equipment selection, and understanding Ex standards (Ex certified)
- Managed the installation cable tray, MCC, junction box, I/O cabinet, Network Cabinet, UPS, MV-LV Switchgear, Transformers.
- Managed the Installation Instrumentation equipment according to the P&ID and Hook-up drawings detectors, transmitter, switch, gauge, and all other instrumentation equipment.
- Raised TQ to Engineering department on-site encountered issues.
- Approved progress payment and timesheets subcontractors.

Majnoon Oil and Gas Project Onshore- CPF Project Early Production Facility / Greenfield and Brownfield. Shell Iraq Petroleum Development BV. Construction and CSU works.

- Co-ordinated all E&I construction activities in CPF (Central Processing Facility) area and 3 Well pads.
- Involved all parts of E&I construction and commissioning works both Brownfield and Greenfield.
- Closely worked with Engineering Department (Petrofac) and raised TQ and solved project technical issues encountered on site.
- Prepared progress payment, manpower requirements, CTR, and daily progress report
- Directly managed to E&I construction team on site and participated day to day activities.
- Managed to installation and commissioning of switchgear and motor control center 6.6KV, 11KV and 33KV, lighting fixtures, Junction Box, Distribution panel, UPS & Batteries, F&G, Fiber Optic system, Earthing (cad-welding system), gland and termination, cable ladder, cable tray, electrical conduits.
- Coordinate between CSU and Project teams for the handover of the equipment as per applicable Shell standards/specifications requirements.
- Managed installation equipment as per review the projects, datasheet, wiring, Hookup, and vendor drawings
- MC walkdowns and discipline acceptance then powering up and function testing all electrical and instrument systems.
- Ensured the closing of the punch in the coordination of the E&I site team in order to be ready for systems handover to Client
- Follow-up the issued & close-up of PTW. Fill out Risk Assessment and conduct toolbox talk
- Filled out Risk Assessment (RA) and conduct toolbox talk daily.
- Issued Electrical Isolation and de-isolation. Tag-out and lock-out process
- Prepared work schedule for lookahead of E&I activities weekly, monthly.
- Prepared red-line and as-built projects