

Nizar Ghanmi

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ELECTRICAL & INSTRUMENTATION ENGINEER



Personal summary

Electrical & instrumentation engineer with qualification skills including:

- LV/HV Electrical network design using engineering software;
- Work execution supervising;
- Solid knowledge of Oil & Gas and biogas projects;
- Excellent knowledge of MS Office, Excel and programming languages (C, VBA Excel).

Experience

PAPREC Engineering - Since Mars 2024:



Position: Electrical Engineer (La Seyne sur Mer)

- Supervising detailed studies for Binn Farm project,
- Coordination with Elec subcontractors and validation of engineering documents (calculation notes, single line diagrams, wiring diagrams, list of cables, etc.);
- Reviewing of technical offers,

SUEZ – From April 2023 to Mars 2024:



Position: Electrical Engineer at Suez (Paris):

- Coordination with Elec subcontractors and validation of engineering documents (single line diagrams, wiring diagrams, list of cables, etc.);
- Performing factory inspections for LV distribution boards and I/O panels.

CITEC – From January 2023 to Mars 2023:



Position: Project Engineer

- Analyzing customer specifications and project costing;
- elaboration of technical specifications ;

Technip Energies – From October 2019 to December 2022:



Position: Electrical Engineer at TECHNIP Energies – Paris

- **October 2019 to October 2021:** SmartPlant Electrical Engineer for Arctic LNG 2 project, my role is to :

- Supervise all SPEL users and coordinate between project partners (Technip FMC Chennai, Technip FMC Abudhabi, NipiGas,...);
- Perform Electrical Load Balance studies;
- Check the data of all electrical consumers in accordance with project documents (technical specifications, vendor datasheets and drawings...);
- **October 2021 to December 2022:** Package & Electrical Engineer for NFE (North Field East) project, my role is to:
 - Review the Bidders' proposal and participate in evaluation/ bid tabulation issued by the package manager;
 - Prepare and issue the heat dissipations calculation note for HVAC studies;
 - Check and review documents made by HVAC Vendors and Attend the clarification meetings;
 - Identify all necessary interfaces whether internal, external or 'inter-discipline' and coordinate with the Lead Discipline Engineer;
 - Manage the electrical interfaces between package and other equipment such as MV & LV switchboards, PDCS (Power Distribution Control System);

METHANIA – From January 2019 to August 2019:



Poste: Electrical & Instrumentation Engineer.

- Elaboration of Electrical & Instrumentation engineering documents for biogas projects according to
- NFC; IEC standards (Calculations notes, design reports, technical datasheets, etc...);
- Design of biogas control panels using Solidworks software;
- Elaboration of ATEX zoning layouts
- P&IDs review and elaboration of biogas plants control philosophies;

EMCO (Engineering Management & Contracting) - From Septembre 2016 to January 2019 :



Position: Electrical & Instrumentation Engineer.

- Development of electricity lot engineering documents in accordance with international standards IEC, NFC, IEEE and NFPA for Oil & Gas projects (cable sizing, short-circuit current calculation, lighting calculation, earthing, balance sheet powers, single-line diagrams, etc.);
- Preparation of "Load Flow Study", "Short Circuits Study" calculation notes using the ETAP tool;
- Development of instrumentation batch engineering documents in accordance with international API and ISA standards for Oil & Gas projects (List of inputs/outputs, instrument technical sheets, cause & effect diagram, assembly plans, control architecture, etc.) ;
- Generating technical offers and specifications.

SCEE (Société de Conseils d'Entreprises en Electricite) - Janvier 2014 jusqu'au Aout 2016:



Position: Electrical Engineer.

- Elaboration of electrical layouts and diagrams for building projects;
- Supervise electricians during work execution;
- Elaboration of lighting calculation notes using Dialux software
- Elaboration of material takes off and bill of quantities documents

LPG Unit (Liquefied Petroleum Gas Unit in Tunisia) :

PFE internship: Control and supervision of a propane refrigeration system based on the SNCC (digital control system) DeltaV- Emerson.

Education

Ecole national d'ingénieurs de Gabès (June 2013) :

- National engineering degree in Electrical & Automation Engineering with honors

Software

SPEL (Smart Plant Electrical); AutoCad; ETAP; Caneco; PVsyst; Dialux; Zelio soft; Ms Office; Excel.

Languages

English: Speak English fluently, reading and writing;

French: Speak French fluently, reading and writing;

Arabic: Native language.

Others

Hobbies: Video games, Football, Footing;

Driver's license: Type B;

Main Realizations

Client:



Project:

- **BINN Farm (Incineration Process):**
 - Redaction of project technical specifications,
 - Ensure the consistency of the design performed by the manufacturers and subcontractors (Turbines, TGBTs, MCCs, UPS, etc.) according to the project specifications.



- **Biogaz (Water treatment Process):** Ensure the consistency of the design performed by the manufacturers and subcontractors (TGBTs, MCCs, UPS, etc.) according to the project specifications.

TechnipEnergies- Paris



- **Arctic LNG 2 (LNG Project):** Ensure coherence, proper filling and supervision of electrical database using Smart Plant electrical software (SPEL).
 - Performing Load Balance & Transformers sizing studies for Arctic LNG2 Project;
 - Checking and improving all SPEL deliverables via VBA Excel coding (LV Switchgear Schedule, Cable Schedule, Load Balance,...)
 - Developing reporting tools for checking and updating data via VBA Excel coding.
- **NFE Qatar (LNG Project):** Ensure the coherence of the design made by Package Vendor as per project specification.
 - Prepare and issue the heat dissipations calculation note of each electrical room;
 - Identify all necessary interfaces whether internal, external or inter-discipline' and coordinate with the Lead Discipline Engineer;
 - Manage the electrical interfaces between package and other external systems
- **Biogas installation detail engineering:** Elaboration of electrical engineering documents (electrical coordination study, MV/LV short circuit and load flow analyses, electrical equipment technical specifications, instruments list and datasheets, control philosophy, Cause & Effect diagram, control system specification, Material Take off, P&ID review, etc...)

STEP MAHDIA- Tunisia



E.N.I- Tunisia/ Iraq/ Libya:



- **E&I As built documentation of CPF Tazarka (Tunisia):** Update of E&I Engineering documents as per plant modifications.

- **Detail engineering of Zubair oil field development project (Iraq):**
Elaboration of electrical engineering documents (design reports, calculation n

Basis Engineering-Italy:



- Etude de base des réseaux électriques BT et MT pour un projet d'interconnexion entre l'Italie et la Grèce par un pipeline 48" conformément aux standards IEC, BS et IEEE. (dimensionnement des câbles, schémas unifilaires des armoires, note de calcul d'éclairage, Plans de cheminement des câbles, mise à la terre, spécifications techniques des équipements, liste de matériel et accessoires, nécessaire etc...).