



FAYEZ MOHAMED. A

Achievement-driven professional targeting for **Sr Project Engineer (Electrical and Instrumentation)** assignments with an **EPC Construction** organisation of repute, preferably in **GCC**

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PROFILE SUMMARY

- Multifaceted **ADDC Approved Engineer** with **over 14 + years** of rich experience in **Project Management** in Construction, Oil & Gas , Pumping Station and Infractsuructure domains in India & the Middle East (KSA, UAE)
- Experienced in various functions related to **Project Engineering,FEED, Detailed Engineering,Procurement,QHSE,Erection,Installation, Hookup,Testing & Commissioning, Calibration,Closeout Deliverables, Auditing, Final Dossier,SPIR and Final Handing over.**
- Abundant experience working in variety of projects and contract scopes, including **greenfield & brownfield, on and offshore**, Pre-FEED through to EPC, with a focus on offshore upstream
- Developed, evaluated, and improved construction methods; modified processes to improve **safety & quality,cost reductions, project schedule**
- Preparation of **TBE,RFQ,BOQ,MTOs,POs,Pre-Qualification for Vendor/Suppliers.**
- Experienced with the interpretation of complex scopes of work, contracts, schedules and engineering deliverables such as P&IDs and Plot Plans
- Immense Knowledge on **ADNOC DGS, EMAAR Specifications, DAEP Specifications,Codes & Standards like ISA, BS, ISO, API, IEC, EN, ANSI, NFPA, etc.**
- Participation and review recommendations in **HAZOP/SIL** Studies & risk /opportunity list with strategy plan.
- Skilled in **Final Dossier Documentation, Handover Documentation Procedure, and Punch Closing Reports**
- Involved in inspection and testing of **System Cabinets (DCS, SCADA, F&G, BMS, ESD, VESDA Panels, Telecommunication, Access Control System, PA System, UPS , Central Battery System)** and MV/LV Electrical Equipments(**DGs, Transformer, RMU, LV/MV SwitchGears,Panel, SMDBs/MDbs,IPCS, IPS**)
- Possess admirable **analytical, administrative, and management** skills



WORK EXPERIENCE

Project Engineer, Emarat Aloula Contracting LLC previously known as Kharafi National LLC, UAE (EPC Contractor) Since Aug'14 till Sep'22

Key Result Areas:

- Review FEED and tender documents to extract quantities of different types of E & I equipment, instruments and associated accessories and respective vendor enquiry floating.
- Attending the Project related meetings such as Kickoff ,Engineering Review, HSE/QC Meetings,Weekly Progress & Monthly Progress meeting with client and preparation of Minutes of Meetings.
- Preparation of technical submittal (TBE,RFQ,MS/TRA, Material Submittal, sub-contractor split SOW matrix).
- Preparation of Scope of works for Service Contracts, tendering, review of contract bids,Contract awarding and implementation.Review of Tender documents, procurement specifications, technical calculations as necessary, etc. and carry out technical evaluations.
- Preparation of technical- commercial comparison sheet and shortlisting of apt vendor with reference to construction norms and DGS standards. Preparation of bulk MTO/MR. Review Bids & Technical evaluation.
- Involved in the preparation of Planning package with the Project Controls team ,strict adherence with the Project Schedule and Plan.
- High level of competency for electrical system design (Single line diagrams [SLD's], protection and control schemes.
- Preparation of specifications, data sheets, sizing calculations for flow elements, control valves and safety relief valves, technical requisitions, instrument schedule, I/O schedule, Cause and Effect diagrams, logic



CORE COMPETENCIES

Project Management Professional(PMP)

Quality Management System

Project Planning, Project Execution

PTW,WMS,SIMOPS

Project Documentation

Procurement,BOQ,Material Approval,PO,MTO

Process Improvement

Team Management

Site Survey & Implementation



TECHNICAL SKILLS

- ADDC approved Electrical Engineer
- ADNOC approved Engineer
- Windows 11,MS Office Tools, ACONEX
- Auto CAD,Smart Plant(Basic)
- DCS,F&G,BMS,SCADA,ETAP(Minimal)
- Yokogawa, ABB,Siemens Automations



CERTIFICATIONS



Project Management Professional (PMP)@ Certified

IRCA Certified ISO 9001:2015 QMS Lead Auditor, 2017



EDUCATION

- Bachelor of Engineering in Electronics and Instrumentation Engineering**, Mookambigai College of Engineering, Kalamavur, Anna University, Chennai, 2006
- Masters in Business Adminstration(MBA) pursuing in Project Management** at Alagappa University,Karaikudi

diagrams, loop diagrams, hook-up diagrams, instrument interconnection diagrams, instrument location drawings, cable routing drawings.

- Knowledge in the development of specifications for control and automation systems (DCS, PLC, SCADA, HMI), flow metering skids, Solar panels, Cathodic Protection, on-line analyzers, ESD Systems, fire and gas detection systems, telecommunication and public address systems, access control systems etc.
- Experience of developing and issuing the following deliverables – Block diagrams, Layout drawings, cable routing, wiring diagram, cable schedule, instrument list, industry standard communication protocols and principles for field instrumentation (Flow, Level, Fire & Gas detection, etc.) Electrical Design Basis, Specifications and Standards, Load Schedules, SLD's, Calculations (Load, cable sizing, battery, equipment sizing), familiarity with power system studies (short circuit, load flow and harmonic studies), ACB/VCB relay settings, Control philosophy for Pumps and systems, lighting/earthing/lightning protection deliverables, electrical layouts (equipment, cable, tray, duct and trench), checking of area classification layouts, data sheets for major equipment and preparation of enquiry packages for HV and LV switchgear, transformers, drive systems, UPS.
- Planning the work activities to be performed as per the Approved Planning Package & provide work direction to the groups by ensuring company safety rules and quality procedures.
- Handled responsibilities 11kv MV cable laying, Erection, and installation of MV RMU, 33KV TXR, 11KVA TXR, distribution transformers, HV/LV switch gears/Distribution panels, AC&DC UPS, VFD/Soft Starter, HVAC, Fiber Optic transmission, Small power, Lighting, Emergency, earthing & lightning arrest, BMS /SCADA system
- Tracking quality status and following-up for non-conformance / corrective actions; building & maintaining a culture of QA/QC awareness
- Developing Method Statement, Planning Package, PEP.
- Coordinating and Managing supplier/ shop inspection for project approval and site inspections; coordinating for inspection release and approval
- Performing the erection, installation, testing & commissioning Lead for Gas Compressor (MAN), MV RMU, MV Transformer (SCHNEIDER), MCC (SCHNEIDER), HVAC system, Pumps, Generators, Cranes and Lighting systems.
- Undertaking system modifications of DCS, SCADA, PLCs, ESD, EDP, F&G, BMS, VESDA, Inergen, Telecom and MCMS
- Coordinating and planning Construction & Commissioning activities such as Loop Check, ILD, Functional test, DG Generators, MV Switch Gears, MV Transformers, MDBs, MCCs, UPS, Central Battery System, Fire Alarm & Fire Fighting Systems, SCADA/DCS Systems
- Involvement of all stakeholders for the NCR/SOR and Punch Lists and delivering & explaining procedures to close the issues
- Collaborating with other members of management to develop new product and engineering designs, and manufacturing and training methods
- Preparation and finalizing the Handover documentation and reports by collecting, analyzing, and summarizing information and trends.



PREVIOUS EXPERIENCE

Site Engineer SENDAN-SK Engineering, Ruwais, UAE. (EPC Contractor)	Jul'12 –Dec'13
Instrument Control Specialist, ADGAS, Train 2, DAS Island (Offshore) Shut Down Project	Apr'12- Jun'12
E&I Engineer, SICEP-SKADO GOCSA JV, Riyadh (Saudi STP/WWTP Contractor)	Aug'09- Sep'11
Graduate Engineering Trainee (GET)/Instrumentation Engineer, Shri Ambika Sugars and Power Limited, Kottur, India	Apr'07-May'08 & June '08 – June'09

PERSONAL DETAILS

Date of Birth	6 th April 1984
Marital Status	Married
No. of Dependents	3

Nationality	Indian
Driving License	LMV (UAE)
Passport No.	N4271707, Expiry: 29 th October 2025
Address	126, Vivekanandha Nagar, Kumbakonam-612001, Thanjavur - Dist, Tamil Nadu, India

ANNEXURE: PROJECT DETAILS

Emarat Aloula Contracting LLC previously known as (Kharafi National LLC) UAE. (EPC Contractor)

Project: 5288- De-Bottlenecking & Associated piping project ,BUHASA & HABSHAN

Client: ADNOC GAS Processing (AGP)

Duration: Jul 2021 to Sep 2022

Project Description: Engineering, Construction & Commissioning of Gas Compressor & associated services including IER Room, Operator facilities, MV Transformers & LV Substation.

Key Responsibilities:

- Project lead Engineer for Electrical & Instrumentation activities related to pipeline, process, systems, buildings, telecom systems and CCTV.
- Preparation of Final Closeout Deliverables, Mechanical Completion certificates ,SPIR, Project Closeout Reports.
- Coordinating with End user for the Loop check closeout, IPCS, IPS, F&G, DCS Interface with existing system.
- Maintaining a dedicated team for Punch closure, Line Walk down related issues and updating the daily status to End-user.
- Coordinating & reviewing of O&M Manual, Training Manual, SPIR List and Project Deliverables (Red markups)

Project: SP473-Upgrade of Storm Water Drainage at Dubai International Airport

Client: Dubai Aviation Engineering Projects

Consultant: M/s DAR Consultants, Dubai.

Duration: Jan' 2019 to Jul' 2021

Project Description: Engineering, Construction & Commissioning of Pumping station (SDP-A, SDP-West & SDP-6) for Dubai International Airport.

Key Responsibilities:

- Preparation of TBE, Pre Qualifications of Vendors, Material Submittal, BOQ, Material Enquiries.
- Preparation of Engineering Deliverables, Drawings, Layouts, Plot Plans, P&IDs, SLD, ELD PO's, Method Statement.
- Preparation of Project Planning Package, Project Procedures, Final Handover Dossier and PAC Documentation.
- Manpower allocations, subcontractor/Vendor coordination, PTW arrangements, Safety and Risk assessment.
- Coordinating with supplier/vendor shop inspection (FAT) for project approval and site inspections (MIR, IR & SAT)) & coordinating with Consultant for Inspection Release and Approval.
- Attended Factory Acceptance Test (FAT) for LV Switch Gears at Verger Delporte (Schneider) Sharjah, Emergency DGs at Cummins Arabia, Jebel Ali, and Submersible Pumps at Xylem, Flygt, Dubai.
- Involved with the OEM for finalizing the Control Philosophy for the Pump operations in accordance with End user requirements.
- Commissioning Lead for Testing & Commissioning of MV RMUs, MV Transformer (SCHNEIDER), MCC (SCHNEIDER), Power SCADA, Water SCADA, HVAC system, Pumps, Emergency Diesel Generators, Cranes and Lighting systems.
- Preparation and review of O&M Manual, Training Manual, SPIR List and Project Deliverables.

Project: 6548- Dubai Hills Estate –District Cooling Plant 01 Project

Client: EMAAR, Dubai

Consultant: M/s Allied Consultants, Dubai.

Duration: Sep'2017 to Apr' 2019

Project Description: Engineering, Procurement, Construction, Commissioning and Maintenance of District Cooling Plant (Chiller Plant) for Dubai Hills Estate, located in Al Khail Road.

Key Responsibilities:

- Preparation of Method Statement, HIRA, TBE, Pre Qualifications of Vendors, Material Submittal, BOQ, Purchase Orders
- Preparation of Engineering Deliverables, Drawings, Layouts, Plot Plans, P&IDs, SLD, ELD Po's, Method Statement.
- Attended Factory Acceptance Test (FAT) for Pumps at KSB Middle East FZE, Dubai and Chiller Packages at Johnson Controls Limited, Dubai
- Dealing with supplier/vendor for MAR, Vendor Selections, shop inspection for project approval and site inspections (MIR, IR, SAT and ISAT).
- Handled with **DEWA and Dubai Municipality for approval of Incoming Power (11 kV RMUs)**.
- Prepared and coordinated for Dubai Civil Defense Approval (DCD).
- Handled the team of Testing Engineers along with Clients for Testing & Commissioning of MV Switch Gears, DC Charger, Central Battery system, UPS, MV Transformers, LV Switch Gears, HVAC System, VFDs and Lighting systems.

Project: 5303-Ruwais Train 1 & 2 Process Furnaces Upgrade Project

Client: Abu Dhabi Gas Company (GASCO Industries, Ruwais, UAE)

Consultant: M/s Wood Group Engineering Services, Scotland.

Duration: Sep' 2015 to July' 2017

Project Description: Up gradation of Process Furnaces for Deethanizer, Depropanizer, Debutanizer with Burner Management System (BMS), F&G modification in FAR-0, 44 kVA AC UPS system Installation at Train 1 & 2, GASCO- Ruwais.

Key Responsibilities:

- Preparation of Method Statement, HIRA, TBE, Pre Qualifications of Vendors, Material Submittal, BOQ, Purchase Orders
- Attended Factory Acceptance Test (FAT) for AC UPS at Gutor Electronic Asia Pacific Sdn Bhd- Kuala Lumpur, Malaysia.
- Coordinated with Yokogawa Engineers during Pre-Fat, SAT, Commissioning of System/BMS/F&G Cabinets with End-user.
- Lead and involved the team in installation and testing for F&G instruments installed in FAR-0, Inergen System and VESDA system, New BMS, F&G Panel Installation in FAR-0, AC UPS Installation at UPS Room and Switch gear installation at Substation.
- Coordinated and involved in installation and testing for JB's, Local Control Panels, Fuel and Gas Control Skids, Relay Panels, UPS and Non UPS panels, Aircraft Warning Light System, Electrical Heat Tracing system.
- Coordinating and arranging inspection for Construction activities such as Instrument Installation, Cable Laying, Meggering, Earthing Checks, Pneumatic Leak test etc.
- Review of IN logs, KPIs, Matrix, Inspection Reports and Inspection summary and Commissioning documents such as Loop folder, Test packages, Test Reports
- Managed a Calibration team that dealt with Site Calibration of Pressure Transmitters, Temperature Transmitters, Valves, UV Scanners, and Pressure Gauges.
- Carrying out the Final Electrical/Instrumentation Walk Down with End User and TPI/PMT Team.
- Coordinating with the Commissioning team and scheduling the MCs for various field activities such as Damper Control, Burners/Ignitors, Purging, Gas and Fuel Control Skids.
- Heading a team for Punch Points, follow up for Closure issued by PMT/End User.
- Preparation of Supportive Documentation for Mechanical Completion Dossiers Walk downs.
- Involved in Final Project Dossier Submission, Matrix and Final Project Documents such as built Drawings, Test Certificates, Project Closeout Report, and Final Documentation Retrieval.

Project: 0500447-Train 1 & 2 EDP Valve Upgrade Project

Client: Abu Dhabi Gas Company (GASCO Industries, Ruwais, UAE)

Consultant: M/s Techno Consult Engineering, UK.

Duration: Aug' 2014 to Aug' 2015

Project Description:

Up gradation of EDP Valves in the existing plant (Brown Field) at Train 1, Train 2 and Pure Propane Plant for GASCO, Ruwais.

Key Responsibilities:

- Lead a team for the installation activities for Cable tray installation, Cable Laying, Meggering, JB Installation, Glanding and Termination, Installation of Field Instruments, Installation of Tubings, Installation of Valve Accessories.
- Lead the Calibration team for PT, PSV, PG at the Site Calibration Room with HART Emerson 475 Series Communicator and Druck DPI 615 IS Pressure Calibrator.
- Involved in Installation of Marshalling Cabinet Panel Erection and inter cabling from DCS modules.
- Involved in DCS modification at MCR, FAR 1 and FAR 2 with Yokogawa Engineers for Transmitters, SOVs and Limit Switches.
- Conducted the Field Loop Check for Transmitters, Valves, SOVs, Pressure Switch.
- Carried out the Final Mechanical/Instrumentation Walk Down with End User and TPI/PMT Team.
- Involved in Closure of Punch Points and cleared all Category Punch Points issued by PMT and End User.
- Preparation of Supportive Documentation for Walkdowns, PL, MC.
- Involved in Final Project Dossier Submission, Matrix and Final Project Documents such as As-built Drawings, Test Certificates, Project Closeout Report, and Final Documentation Retrieval.

SENDAN-SK Engineering. Ruwais. UAE. (EPC Contractor)

Project: Ruwais Refinery Expansion Project (RRE), EPC # 1

Client: Abu Dhabi Oil Refining Company (TAKREER), Ruwais.

Consultant: M/s JACOB's Consulting, USA.

Duration: July '2012 to Dec' 2013

Project Description: Engineering and Construction of Expansion for Ruwais Refinery TAKREER Plant, EPC #1, SK Engineering, Area 1, Unit 1100 Crude Distillation Unit.

Key Responsibilities:

- Responsible for assigning the work force for Cable tray installation, Cable Laying, Meggering, JB Installation, Glanding and Termination, Installation of Field Instruments, Installation of Tubings, Installation of Valve Accessories,
- Involved in Installation and testing of F & G Instruments (H2S, HC, N2 Gas Detectors, Linear Heat Detectors, Multispectrum IR Flame Detectors, Fire, Toxic, Flammable Gas Beacons...)
- Involved in the Installation of Local Control Panels, Sampling systems, Manual Call Points, Alarm Push Buttons, PA system.
- Witnessed the Calibration of Field Instruments with TPI, ABS Consulting Firms.
- Responsible and coordinated with various parties for the installation of DCS, BMS, MCMS, F & G, Networking, Panels in SIS

- Building, Fire Alarm and Gas Separation Systems (VESDA Panel and Inergen Gas System (N2)).
- Coordinated the ICS Installation and Commissioning with Yokogawa System Engineers.
- Involved in the preparation of Pre-Commissioning & Commissioning deliverables such as Instrument Loop Folder, FE Approved Diagrams, Red Markups etc
- Involved in Loop Check of Field Instruments with TAKREER End Users.
- Coordinated the Final End User Walk down for IC Clearance

DESCON Engineering-ADGAS, Train 2, DAS Island (Offshore) Shut Down Project

Project: ADGAS Main Plant Overhaul Turn Around 2012, Train 2 Overhauls.

Client: Abu Dhabi Gas Liquefaction Limited, DAS Island, UAE.

Duration: April '2012- June '2012 (03 months)

Project Description: Worked as Instrument Control Specialist for the shutdown activities in Train 2 ADGAS LNG Plant, Das Island.

Key Responsibilities:

- Assisting and analyzing work schedules, permit issues, and assigning people for works.
- Assigned to a team for the Calibration of Control Valves, PT, DPT, FT, LT, Anti Surge Valves both in the Workshop and plant.
- Dismantling the Field Instruments with proper MS/Permits and transporting them to workshops for repair/modifications.
- Assuring the safety and precaution of our team and ensuring them to work in proper and safety environment.
- Involved in the full overhaul of Gas Compressors with GE Engineers and coordinate their technical team with End Users.
- Worked with a team of 30 members in the reinstalling activities of Field Instruments and Valves in Cryogenic Column, KO Drum, MPRs .
- Involved in Loop Check and Functional test of Control Valves, SOVs, Gas Detectors and documentation works.

SICEP-SKADO GOCSA JV, Riyadh (Saudi STP/WWTP Contractors)

Project : Indirectly Heated Paddle Dryers for Municipality of Buraidah & Unaizah STP, KSA.

Client : Ministry of Water and Electricity, Al Qassim Province.

Consultant : M/s Komline Sanderson's, USA.

Duration : Aug 2009 to Sep 2011

Project Description:

Engineering and Construction of Indirectly Heated Paddle Dryer for Buraidah STP (80 TPD) and Unaizah STP (25 TPD). Maintenance of plant for 24 months (Warranty Period).

Responsibilities

- Developed technical presentations, TBE, BOQ, Material Submittals and necessary approvals for projects.
- Performed site visits to determine problems, mobilizing the team and resolving issues with projects.
- Assisting and analyzing Single Line Diagram, corresponding layouts, Equipment arrangement for High Voltage Substations.
- Estimating Bill of Materials- Clamps & Connectors, Insulators, Conductors, Earthing, Control cables and miscellaneous materials.
- Preparing control cable schedule including cable routing.
- Coordination & follow-up with the vendor to match the requirements of the client.

Shri Ambika Sugars and Power Limited, Kottur, India

Duration: GET- April 2007 to May 2008

Jr.Instrumentation Engineer- June 2008- July 2009

Work Description: Worked as **GET/Jr.Instrumentation Engineer** for the maintenance of Power plant Automation (DCS) and Sugar Plant Field Instruments. Promoted to Jr.Instrumentation Engineer and started to work on a shift basis at the Control room DCS Operation.

Responsibilities

- Maintenance activities for the entire field Instruments (PT, PDT, Valves, Pneumatic valves etc..)
- Involved in the erection and commissioning of the main Silo for Automatic Weighing Sugar bagging and transportation using Micro Controller Project.
- Worked in Calibration of PT, LT, DPT, Conductivity meter, PH meter, valves in workshop with Druck Calibrator and HART Communicator 375 series.

Maintaining the Log reports, Process Parameter settings, Trends, Alarm/Trip Sequencing and communicating them to Home team.