

**ANEESH ABRAHAM**

Mob: +971569028454

+91 9633515298

Email: aneeshbnec@gmailHYPERLINK "mailto:lijuab87@gmail.com".com

Driving License: UAE-2387919

### LEAD HVAC ENGINEER

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**Career Objective**

To build a career in a dynamic and growth-oriented organization that will provide me with a challenging career and opportunity for learning with the latest technologies available, so that my skills and knowledge can be utilized and broadened efficiently.

**Personal Skills**

Comprehensive problem-solving abilities, excellent verbal and written communication skills, willingness to learn, team facilitator, and dealing with people diplomatically.

**Professional Experience**

1. **FERROPAN GULF, ABU DHABI – UAE.**

* Position : **LEAD HVAC ENGINEER**
* Activity : Detailed Engineering, Design, EPC & Start-up.
* Client : ADNOC Group.
* Duration : 23/05/2022 – Present.

1. Project : Detailed Engineering of New IT/Telecom Building at BU HASA.

Client : ADNOC – Gas Processing (GASCO).

Contractor : FERROPAN Oilfield Services & Supplies LLC.

Duration : May-2022 to Present.

**Roles in the company:**

* Detailed Engineering Activities, Coordination with Consultant, Client, Main Contractor & Sub-contractors as per project requirement.
* Handled responsibilities of developing shop drawings, preparing technical documents, and reviewing supplier designs.
* Working knowledge of recognized industry codes and standards e.g., ASHRAE, ANSI, ASME, ISO, API, NFPA, etc.
* Review of Supplier and Sub - Contractor technical documentation and applicable Engineering Deliverables for integration within the projects.
* Project deliverable, Material requisition, STQ preparation, Residual Engineering.
* Detailed study of the (ADNOC) company documents DGS & AGES. Heat Load Calculation (HAP) & Equipment Selection, etc…
* Ensure that cost, customer service, quality, schedule, and safety are incorporated into the design from commencement through completion.
* Monitoring project risks and scope creep to identify potential problems and proactively identify the solution to address and develop procedures relating to operations, design, and maintenance.
* Create LTI free working environment and follow 100% HSE standards.

1. **TECHNICAL SUPPLIES AND SERVICES CO. LLC (TSSC), ABU DHABI – UAE**

* Position : **Sr. ENGINEER - HVAC**
* Activity : End to End Service. (Operation, Logistics, CICPA arrangement, Work Commencement, Manpower Mobilization, Installation, Commissioning, Startup, Vendor coordination & periodic maintenance).
* Duration : 15/06/2014 – 21/01/2021

1. Project : Replacement of Older Non-efficient AC units at Jebel Dhanna.

Client : ADNOC – Onshore (ADCO).

Contractor : Technical Supplies and Services Co. LLC (TSSC)

Duration : Apr-2019 to Jul 2021

1. Project : Polypropylene-5 (PP5) Project.

Client : Abu Dhabi Polymers Company Limited (BOROUGE).

Contractor : Tecnimont SpA

Duration : Sep-2019 to Jul 2021

1. Project : Upper Zakum UZ-750 Offshore Project EPC-2. (UZ-750K).

Client : Zakkum Development Company (ZADCO)

Contractor : EPC- Petrofac & Al-Jaber Energy service.

Duration : Jul-2017 to Apr-2019 (South Island & North Island) Offshore.

1. Project : Oil Spill Response Hub Project Das Island. (Offshore)

Client : ADMA-OPCO, ADGAS. (ADNOC-OFFSHORE)

Contractor : Technical Supplies and Services Co. LLC (TSSC)

Duration : Dec 2017 to Jul 2018

1. Project : National Food Products Company (Mega plant project).

Client : Khalifa Port Company (KIZAD)

Contractor : Technical Supplies and Services Co. LLC (TSSC)

Duration : May-2017 to Jul-2017

1. Project : Upper Zakum AUP UZ-750 Offshore Project (UZ-750K) Offshore.

Client : Zakkum Development Company (ZADCO)

Contractor : Petrofac & Habtoor Leighton Group (HLG)

Duration : Mar-2015 to May-2017(South Island & North Island) Offshore.

1. Project : Satah Full Filled Development Project (STFFD) Offshore.

Client : Zakkum Development Company (ZADCO)

Contractor : Technip - NPCC

Duration : Aug-2014 to Mar-2015 (Offshore).

**Roles in the company:**

* General Project Engineering Activities Coordination with consultant, Client, Main Contractor & Sub-contractors, Arrange& forecasting manpower, material, tools& machinery as per project requirement.
* Coordinate with other technical staff including site civil, structural, electrical, instrumentation, control, and architectural. (E&I drawing reading)
* Collaborate with engineers and clients to achieve the quality design of HVAC systems.
* Review ITPs, pre-commissioning, commissioning procedures, Mechanical completion dossiers, start-up procedures, etc. for new facilities.
* Review of Installation and Operation manuals and Manufacturer’s data report for new facilities. Inspection and supervision of installation, pre-commissioning, commissioning, and start-up activities. Preparation and follow-up of Warranty claims as and when required.
* Prepare & review the QA/QC documents such as;

1. MS - Method Statement
2. ITP - Inspection Test Procedure
3. ITR - Inspection Test Report
4. MAR - Material Approval Request
5. RFI - Request for Inspection
6. FAT - Factory Acceptance Test

* Provide necessary HVAC & Insulation technical support to offshore sites.
* Ensure that all HVAC equipment’s following the engineering standard and codes
* Performed troubleshooting on the HVAC equipment and installed the equipment according to the requirement.
* **FAT & SAT** preparing, attending, and punch list-making according to project requirements.
* Identifies & communicates priority systems/ sub-systems to drive Mechanical Completion. Liaises with Production and System Completions ensuring maintaining systems prioritization.
* Completion documentation Pre-commissioning - I CAPS, ACONEX, Petro-PCS, ITP, ITR, As-Built markup drawing, RFC &RFSU Final dossier.
* Mechanical walk-down punch list and checklist-making, P&ID's, System Walk downs, and Punch List process. Punch list closing, Vibration checking, Control panel commanding, Instrument calibration.
* Commissioning scope pre-commissioning checks and documentation are carried out with class and client requirements. Temperature maintains LOG preparation.
* Providing start-up assistance as required.
* Reviews the stock replenishment reports and initiates new equipment, tools, and material requirements. Provides suggestions for alternatives or interchangeability of parts and inspection of expensive/critical items to ensure service reliability of equipment & materials.
* Reviews SPIR list for assessing all types of spare requirements for new facilities.
* Ensure that all HSE-related issues are incorporated in the scope of works and adhered to by the contractors carrying out the HVAC & Insulation works.
* Maintain updated knowledge/awareness of the Company HSE procedure, rules and regulations and abide by them at all times (LTI).
* Compliance in accordance with 100% HSE standard.

3. **QATAR ENGINEERING AND CONSTRUCTION CO.(QCON), DOHA – QATAR**

* Position : **MECHANICAL SUPERVISOR (Comm. & Start-up)**
* Client : QATAR PETROLEUM/ORYX GTL / Con. QCON
* Project : ORYX GTL LTD. TOTAL PLANT SHUTDOWN.
* Duration : 28/01/2013-12/01/2014

**Roles in the company:**

* Experienced in Rotating Equipment, boilers, Superheater, and Heat exchanger maintenance activities.
* Monitoring the progress in line with the schedule and corrective action against any deviation
* In charge of planning, coordinating, and supervising the preventive and corrective maintenance works,
* Preparing the technical documentation and ordering the spare parts of the equipment for replacement, for the planned shutdown of the refinery plants
* Preparation of schedules, Tools & Tackle, materials (including spare) blinds (boiler makers), test fittings & gauges, assessment of manpower requirement, scaffolding requirement, provision of identification tags for repair/replacement, etc...
* Preparation of daily job list, manpower planning, job follow-up, preparation of Daily Report, updating the Master Schedule & Schedule Charts, attending shutdown review meetings, preparing the daily report, preparing the Actual Schedule, etc.
* Execution of maintenance activities as per the schedule and daily job list, fixing up the priorities, continuous follow-up of jobs, materials arrangement (spares, tools, etc.), coordinating with the other service departments for fabrication, machining, etc.
* Preparation of shutdown reports, actual schedule charts & master schedule, delay analysis for the delayed activities, review of spares consumed, failure analysis reports for major failures, etc.

4. **Sunil Hi Tech, NAGPUR – INDIA**

* Position : **Commissioning Supervisor- Mechanical**
* Client : [Reliance Infrastructure](https://en.wikipedia.org/wiki/Reliance_Infrastructure)/Shanghai Electric Corporation, China.
* Project : RTPP Site, Butibori, Nagpur
* Duration : 27/07/2011 –30/08/2012

**Roles in the company:**

* Assist and provide support to Contractor mechanical completion & pre-commissioning activities
* Ensuring safe work procedures and (PTW) permit to work system.
* P&ID's, System Walk downs, and Punch List process
* Basic millwright, piping & workshop skills, Fabrication site-based.
* Basic operations and maintenance of production facilities
* Supervise and guide Contractor’s personnel where necessary
* Assist with receiving inspections as required
* Assist with review of vendor-specific pre-commissioning & commissioning requirements and ensure implementation.
* Participation in system/sub-system punches list verification and acceptance.
* Preparation of tools and consumables required for commissioning activities.
* Prepare & generate and track MC/PC check sheets.
* Participate and lead risk assessments and toolbox talks.
* Ensure that HSE procedures are properly implemented

**Academic Qualifications**

* B.E. in Mechanical Engineering (Anna University, Chennai, 2011, 70%)
* Pre-Degree (Kerala University, Kerala, 66%)
* S.S.L.C (Board of Public Examination, Kerala. 70%)

**Technical Qualifications**

HVAC, Carrier-HAP 4.1, PDMS, Auto CAD, Mechanical Piping, QA/QC Certification & NDT (ASME level-2)

**Training Attended**

* **Emirates Technical & Safety Development Centre, Abu Dhabi, UAE.**
* **TUV Middle East Training Centre, Abu Dhabi, UAE.**
* **Will Offshore Industrial Safety Services Organization (WOISO), Mumbai, India.**
* H2S & Breathing apparatus Training-**OPITO** Approved (07/May/2023)
* T-BOSIET-**OPITO**-Approved (06/May/2025)
* Offshore medical fitness certificate (06/May/2023)
* CNIA Pass, Offshore travel card, Optima Card, PTW holder.

**Software Skills**

* Operating Systems : Windows XP/7/8/10
* Packages : Microsoft Office (Word, Excel, PowerPoint)
* HVAC Design : HAP Carrier 4.1 V

**Personal Details:**

* Date of Birth : 12/03/1989
* Gender : Male
* Marital Status : Married
* Nationality : Indian
* Driving License : UAE-2387919
* Passport No. : U9886368
* Passport Exp. : 21/03/2031
* Languages known : English, Hindi, Arabic, Malayalam & Tamil.