**JACKLEMON**

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**HVAC SUPERVISOR**

17 years of Engineering and Supervision in the field of Construction, Commissioning, Operation and Maintenance across a range of industry sectors including Oil and Gas, Marine and Defense. Professional with a proven track record of successful completion of projects including HVAC design, installation, pre commissioning, testing, commis-sioning, troubleshooting, optimization, start-up, completion, operation, preventive maintenance, breakdown mainte-nance and overhauling; while maintaining strong working relationships with all stakeholders. Firm believer that team work and continuous professional development are the key to success.

**EXPERIENCE :**

Core Competencies

* Supervision, Inspection & Monitoring
* Analytical Problem Solving
* Piping & Ducting Work
* HVAC Mechanical, Instrumentation & Control
* Training & Instruction
* Planning & Scheduling
* Heating & Cooling Loads Analysis
* Design Review, Fault Diagnosis & Repair
* Specification & Drawing Interpretation
* HVAC Testing, Adjusting & Balancing (TAB)
* Loop Check & Functional Performance Test
* Auto Cad Drafting & Design

Major Projects Executed

* Installation, Commissioning & Startup
* Operation & Maintenance
* Hydrostatic & Pneumatic Pressure Tests
* CHW & HHW Piping Systems Flushing & Treatment
* HVAC Sizing & Design
* Codes & Standards Compliance
* HVAC Optimization & Energy management
* Preservation & Quality Assurance
* Vendor & Sub-Contractor Coordination
* Health & Safety Compliance
* Site & People Management
* Materials Analysis & Equipment Selection

1. BEL ( Bharat Electronics Ltd ) Nagavara, Bangalore, India - ( Dec’ 2018 - Aug’ 2019 )
2. Yamal LNG ( Novatek ) Sabetta, Russia - ( Sep’2018 - Dec’ 2018 )
3. KNPC CFP ( Kuwait National Petroleum Company) Mina Al Ahmadi, Kuwait - ( Aug’ 2017 - Mar’ 2018 )
4. Kannur International Airport Ltd ( Airports Authority of India) Kerala, India - ( Nov’ 2016 - Jun’ 2017 )
5. Upper Zakum UZ750 ( Abu Dhabi National Oil Company ) Abu Dhabi, UAE - ( Feb’ 2016 - Aug’ 2016 )
6. Petro Rabigh Phase II Petrochemical Expansion (Saudi Aramco) Jeddah, KSA - ( Feb’ 2015 - Jan’ 2016 )
7. MONUSCO ( United Nations ) Democratic Republic of Congo, Africa - ( Jan’ 2014 - Nov’ 2014 )
8. RLESC ( Qatar Petroleum ) Ras Laffan, Qatar - ( Feb’ 2013 - Dec’ 2013 )
9. LDP ( Republic of Singapore Navy ) Tuas, Singapore - ( Jan’ 2012 - Dec’ 2012 )
10. LOGCAP IV (United States Department of Defense) Kandahar, Afghanistan - ( Aug’ 2010 - Aug’ 2011 )
11. EOR ( Qatar petroleum ) Dukhan Field, Qatar - ( Feb’ 2007 - Nov’ 2009 )
12. Dolphin Gas Project ( Dolphin Energy Ltd ) Ras Laffan, Qatar - ( Jul’ 2005 - Jan’ 2007 )
13. Hotel Gateway (Taj Group), Kerala, India - ( Dec’ 1999 - Apr’ 2001 )
14. KMC ( Kasturba Medical College, Manipal ), Karnataka, India - ( Jun’ 1997 - Oct’ 1999 )
15. All India Radio & Calicut International Airport, Kerala, India - ( Dec’ 1993 - May’ 1997 )

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| Organizational Scan | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| (1) | Construction Consortium Limited, India | | | | | | | | | | |  | - HVAC Engineer - ( Dec’ 2018 - Aug’ 2019) | | | |
| (2) | in Russia | | | |  | - | HVAC Supervisor | | | | - |  | ( Sep’ 2018 - Dec’ 2018 ) | | | |
| (3) | Construction, | | | Kuwait | | | - | Instrument HVAC Supervisor | | | | | | - | ( Aug’ 2017 - Mar’ 2018 ) | |
| (4) | Larsen & Toubro , India | | | | | - | Lead HVAC Commissioning Engineer | | | | | | | | - | ( Nov’ 2016 - Jun’ 2017 ) |
| (5) | Petrofac International, | | | | UAE | | - | HVAC Commissioning Supervisor | | | | | | | - | ( Feb’ 2016 - Aug’ 2016 ) |
| (6) | Petrofac Saudi Arabia, | | | | | KSA | - | HVAC Commissioning Supervisor | | | | | | | - | ( Feb’ 2015 - Jan’ 2016 ) |
| (7) | ES-KO International, Africa | | | | | | - HVAC & Refrigeration Supervisor | | | | | | | | - | ( Jan’ 2014 - Nov’ 2014 ) |
| (8) | Cegelec, Qatar | | - | HVAC Commissioning Supervisor | | | | | | | | | - ( Feb’ 2013 - Dec’ 2013 ) | | | |
| (9) | Brightsun Marine, | | Singapore | | | | - | HVAC Supervisor | | | | - | ( Jan’ 2012 - Dec’ 2012 ) | | | |
| (10) | DynCorp International, Afghanistan | | | | | | | | - HVAC Supervisor - ( Aug’ 2010 - Aug’ 2011 ) | | | | | | | |
| (11) | Arabian Air-conditioning Contracting, | | | | | | | | Qatar - | HVAC Supervisor | | | | - | ( Feb’ 2007 - Nov’ 2009 ) | |
| (12) | Trading, Qatar | | | | | - HVAC Supervisor | | | | - | ( Jul’ 2005 - Jan’ 2007 ) | | | | | |
| (13) | in India | | | | | - Lead HVAC & Refrigeration Technician | | | | | | | | - | ( Dec’ 1999 - Apr’ 2001 ) | |
| (14) | in India | | | | - | Lead HVAC Technician | | | |  | - | ( Jun’ 1997 - Oct’ 1999 ) | | | | |
| (15) | Air-conditioning & Refrigeration company | | | | | | | | | - | HVAC Technician - ( Dec’ 1993 - May’ 1997 ) | | | | | |

Key Achievements

* Supervised a team of vendors and sub-contractors and ensured fulfillment of project quality and contractual re-quirements.
* Developed mechanical design specifications under guidance and carried out mechanical design activities in line with specifications and all quality and technical standards.
* Installed, tested, commissioned & maintained various types of chillers, DX units, air handlers, air ducts, piping, condensing units, exhaust fans, chemical filter units, sand trap units, humidifiers, dampers, actuators, sensors, duct heaters, pumps, boilers, furnaces, cooling towers and fresh air intake stacks.
* Directed assigned staff for correct interpretation of drawings, and provided support in solution of technical prob-lems, and ensured that progress of works in accordance with project specifications.
* Measured progress of works carried out and provided quantitative data for producing weekly progress reports.
* Coordinated field Installation work package, mechanical completion package and commissioning package with company representatives and planned execution of works and scheduled walk through.
* Verified & confirmed availability of materials and equipment, and coordinated human and technical resources.
* Involved in safety walkthrough and recommended improvements and enforced safe work practices & environ-mental protection and ensured that safety standards are respected.
* Managed interfaces with construction, engineering and commissioning team in order to close punch lists.
* Verified & approved design specifications, as built documentation, handover documents, job safety analysis, risk assessment, test results, method statements, site instructions, investigations and surveys.
* Conducted testing inspection & final inspection for completed installation and prepared relevant documents and raised RFI to QC-Inspector and ensured issue of relevant QA documentation.
* Tested & verified operational / functional performances and interfaces of HVAC equipment, control panels and power panels ( e.g., BMS, DDC, PLC, PCS, F&G, HMI, FACP, VSD, VVVF, PDP, PCC, MCC & Starters ).
* Executed HVAC testing, adjusting and balancing, piping, ducting work, pressure tests ( Hydrostatic & Pneumatic ), and piping systems ( CHW & HHW ) flushing and treatment.
* Performed troubleshooting on HVAC equipment, pneumatic controls, DDC, BMS, SCADA, EMS and smoke man-agement systems.
* Coordinated with client, architect, vendors and subcontractors to ensure timely completion of the project as per schedule.
* Analyzed control philosophy, operating procedures and load programs and performed required calculations on same and manage all electrical requirements for HVAC equipment and recommend improvements.
* Monitored all resources and ensure optimal utilization for same and achieved all customer objectives and provide support to all equipment and implemented various plans for HVAC.
* Provided support to management by supervising, reporting and updating on all the technical aspects of HVAC activities.
* Reduced 20% - 40% HVAC energy consumption through optimization and maintenance programs.
* Directed assigned staff in preventive maintenance and overhauling of central air conditioning plants including chillers, DX units, condensing units, compressors and pumps.
* Provided training and instruction to new personnel on activities relating to HVAC operation and maintenance.
* Familiar with codes and standards (e.g., ASHRAE, ACCA, NFPA, NEBB, OSHA, SMACNA, ANSI & ARAMCO).

**EDUCATIONAL QUALIFICATIONS :**

* Diploma in Mechanical Engineering (3 years) IAET India, 2001 – 2004
* Refrigeration and Air Conditioning Engineering (2 years) NIET India, 1991 – 1993

**TRAININGS ATTENDED :**

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Fire Fighting & Self Rescue

First Aid

Installation & Lifeboat Evacuation

PCC

SIMOPS

Travel Safely By Boat

Basic H2S

Lockout/Tag out Safety

Confined Space Awareness

Working at height

EPA

Health & Safety

PTW

**IT SKILLS :**

Microsoft Office, Engineering Tool Box, Trace 700, Carrier E20-II & HAP, Auto Cad, and Win PCS

**PERSONAL DETAILS :**

Date of Birth: 23-03-1975

Languages Known: English, Hindi & Malayalam

Nationality: Indian

Marital Status: Married

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