**My Profile**

**Name:**  S. GANESHA MOORTHI

**Telephone number:** 09845175768 - 09449072590 - 080–28372590

**Email address:**  [**moorthi\_s\_g@yahoo.com**](mailto:moorthi_s_g@yahoo.com) or **moorthisg@gmail.com**

**Skype address:** moorthisg

**Date of birth:** 10th June 1970

**Passport No** Z3408297/Valid Till 2025

**Total Years of Experience 26** Years

**Available:** On short notice

**Nationality:** Indian

**Academic qualifications –**

* **B. Tech. Mechanical Engineering.**
* Successfully completed the Hydraulics Training at Yuken India Limited at Bangalore
* Safety officer Course OSHA from Safety World, Dubai in 2009.

**Professional certificates and training –**

* Apprentice Training Program at Cummins Diesel Sales & Service India Limited, Pune in 1991.
* 3500 EUI A & B Series at Singapore Training Centre Caterpillar Asia, Singapore in Aug’97.
* **BOSIET** Course ( Basic Offshore Safety Induction & Emergency Training)
* Helicopter Underwater Emergency Training.
* PTW System training and Authorized Risk assessment course / Job Hazard Analysis training.
* Familiarization and Identification of H2S gas work Environment.
* Offshore and Onshore Sour Gas training.

**Professional experience -**

* Presently associated with Hallworthy International FZC Drilling Services as a Chief Mechanic and work site at Iran Offshore.
* Swiftly coordinated the Project operations with competent cross functional skills and ensured on-time deliverables.
* A strategic planner with competency in devising significant solutions, and implementing safety management systems for maintaining sound environmental and safety conditions.
* Well Conserve on SAP, ERP, CMMS and Maximo Maintenance Management system.
* Adept in analyzing the repetitive problems and root cause solutions.
* Extensive experience in managing inventory for maximum utilization of available resources, material management and resourceful at strategizing techniques for maximum utilization of manpower/ machinery.
* Effective communicator with assertive and strong leadership qualities and analytical.
* Planning of preventive maintenance and Predictive Maintenance, schedules of various machinery, instruments & plants to increase machine up time, equipment reliability and to achieve zero breakdown
* Ensuring proper maintenance of Mud Pumps, Top Drive, Aqua Chem Water Maker, Diesel Engines, Fire Extinguishers, Fire Pumps, Salt Water Lifting Pumps, etc.
* Implementing preventive maintenance & overhauling schedule for gas compressors and various types of rotary and screw compressors.
* Overseeing installation & commissioning as well as conducting tests & inspections to ensure operational effectiveness of utilities; effectuating maintenance plans for machines and equipment.
* Ensuring effective site management and discipline to ensure safe execution of the projects.
* Installing, commissioning & troubleshooting problems arising in the total execution of job.
* Handling refurbishment of Rolls Royce, Bergen Engine Components (Cylinder Liners & Heads, Turbochargers ABB/ Napier, Pistons, Charge Air Coolers, Con Rods, Water/ Oil Pumps, etc.)
* Managing dismantling and overhauling of various types of valves like flow control, pressure control valves, etc.
* Managing a team of executives & guiding site staff members to address and resolve performance bottlenecks.
* Conducting training sessions on planned maintenance jobs and safety hazards associated with the job.
* Planning effective manpower deployment & works scheduling of workforce; addressing training needs of staff to enhance productivity.

**Working experience -**

**Dates - Sep 2014 to till Date –**

**Company - Hallworthy International FZC Drilling Services, Sharjah**

**Work Site -** Iran Offshore

**Position -** Chief Mechanic

**Rig -** Jack up Drilling Rig

**Duties include –**

* Prepare &Provide Maintenance Procedures and technical support to the maintenance crew for the field operations.
* Performs preventative maintenance, adjustment, trouble shooting and major maintenance of Drilling Equipment and Main Diesel Engines Model CAT 3516 B Series (Electronic controlled Engines), Mud Pumps (National 12-P-160, 1600HP Triplex Mud Pump), Drawworks (National 1320 UE, 2000HP), Top Drive (Varco – 11S), Gumi Unit (Cameron Blow Out Prevent and Well Control System) and various types of **Centrifugal, Hydraulic and Pneumatic control pumps.**
* Performs Inspections Preventive Maintenance and troubleshooting of machines like Aqua Chem Water Maker (SR 400 Vapor Compression), Instrument **Air Compressors (QUINCY – QUI 500, Atlas Copco Air compressors and Sull Air Model LS-120 & LS-160 Water and air cooled type compressors)** Deck Cranes (Draco National Oil Well Cranes Model 48 DNS-120-97 Diesel Engine Driven Type), Fire Pumps, Salt Water Lifting Deep Well Pumps, Life Boats, &various types of rotating equipment in the rig.
* Coordinates and work with Third party on the repairing and maintaining a proper relationship to complete the all assignments in a professional manner. Maintains quality work. Completes all assigned tasks as responsibly and rapidly as possible.
* Tests the Mechanical equipment after completion of repair to insure that equipment and systems operate as intended.
* Maintains equipment records for scheduling of maintenance and equipment history on Enterprise Resource Planning maintenance System for all drilling and mechanical equipment.
* Insures that safety and housekeeping rules are followed.
* Assures that work area is properly cleaned and waste materials are removed from job site.
* Maintains stock inventory of all drilling equipment and mechanical related parts. Purchase the suitable materials and genuine parts to enhance the equipment performance and reduce the down time.
* Proactively conducting and participating the Daily and weekly Safety Meetings about the permit work system (Cold, Hot work and Confined Space Entry), emergency safety drills, working of life saving equipment on oil field and unsafe conditions.

**Dates -**  **July 2010 to June 2014**

**Company -** JAGSON Drilling Company

**Location –** Mumbai

**Position -** Chief Mechanic

**Rig -**  Jack up Drilling Rig.

**Duties include –**

* Monitor and promote company’s Health, Safety & Environment management policies.
* Ensuring safe day to day smooth operation of drilling rig well within the specified limits of the operational manual, carrying out daily Preventive Maintenance & repairs well within the daily approved budget.
* Advance planning for minor/major repairs and overhauling to as part of PM to give maximum equipment availability.
* Planning and ordering spares within the approved budget.
* Maintenance of Power Generation With Cat D399 Engines, 2 No of Mud pumps (Emsco FB 1600-1600 HP) , Draw Works (Emsco CII Type 2000 HP) ), Portable Top Drive(Maritime Hydraulics Aker 500) ,Hydraulic Power Unit for Portable Top Drive, Cranes(Baker BMC 900), lifeboats, Air compressors & dryers and all other drilling/utility Equipment.
* Assisting our company’s other rigs during their shutdowns or resolving other major maintenance/troubleshooting related problems.
* Implementation of company’s safety policies and procedures.
* Development and training of rig crew to operate and maintain rig equipment safely
* Responsible for safety of the man, machine and material on offshore drilling rig.
* Responsible for carrying out various modifications and repairs on rig equipment after proper approval from Engineering & Safety departments.
* Supervise and execution of major maintenance jobs on other rigs as and when required.
* Conditioning Monitoring of all Mechanical components during the course of normal operations in conjunction with an active Preventive Maintenance Program to minimize equipment downtime or unsafe situations.
* Prepares and maintains up to date maintenance records on all rig equipment and schedules work relation to the P.M. Program in the most efficient and least disruptive manner.

**Dates -**  **Jan’2009 – June 2010**

**Company -** National Drilling Company, Government of U.A.E, Abu Dhabi

**Position -** Rig Mechanic

**Rig-** Jack up Drilling Rig.

**Duties include –**

* Pivotal in carrying out the routine and running maintenance of Mud Pumps (National 12-P-160 1600HP Triplex Mud Pump), Drawworks (National 1320 UE , 2000HP), Top Drive (Tesco 1350 – ECI), Gumi Unit (Camaron BOP Control System) and various types of pumps and other oil field equipment.
* Instrumental in carrying out routine PMS maintenance and troubleshooting of machines like Aqua Chem Water Maker (SR 400 Vapor Compression), Instrument Air Compressors (QUINCY – 375 & Atlas Capco Air compressors, Deck Cranes (National Cranes Model OS-105 Diesel Engine Driven Type), Fire Pumps, Salt Water Lifting Deep Well Pumps, Life Boats, & various types of rotating equipment in the rig
* Proactively participated in the Safety Meetings on every weekend about the permit work system, emergency safety drills, working of life saving equipment on oil field and unsafe conditions.

**Dates -**  **Jan’07 to Dec’08**

**Company -** Petrofac, Sharjah, UAE

**Position -** Mechanical Engineer - Maintenance

**Location -** Sudan Oil Field

**Project -** Gas and Oil Pipe Line Projects

**Duties include –**

* Successfully handled refurbishment of Rolls Royce, Bergen Engine Components (Cylinder Liners & Heads, Turbochargers ABB/ Napier, Pistons, Charge Air Coolers, Con Rods, Water/ Oil Pumps, etc.)
* Gained expertise in planning of schedule maintenance and repair jobs on all types of rotating equipment like Compressors, Pumps, Diesel Engines (Rolls-Royce, Wartsila, Caterpillar And Cummins Engines) Fans & Blowers and other static equipment like Pressure Vessels, Piping and Valves, Heat Exchangers and Lifting Equipment.
* Instrumental in coordinating with Overhauling Team at various pump stations for arranging parts for overhauling of pumps and engines.
* Pivotal in preparing the scope of work for overhauling and maintenance team.
* Planning of preventive and routine maintenance schedule for all types of rotating equipment in oil and gas field.
* Conducting Training classes for Customer Engineers / Forman & Technicians of GNPOC (Greater Nile Petroleum Company) on Technical & HSE Procedures.
* Preparing the Training Materials for upcoming Training Courses.
* Conducting on job Training at Workshop during Component Refurbishment / on site while Equipment Overhauling.
* Preparing the Matrix for Trainees.
* Performance Evaluation on courses.
* Attending the weekly meeting with client for discussion about candidate performance and upcoming Training courses.

**Dates -**  **Jun’03 to Jan’07**

**Company -** Aban Offshore Ltd., Chennai

**Position -** Senior Rig Mechanic

**Rig -** Jack up Drilling Rig.

**Duties include –**

* Successfully conducted Tool Box Talk about permit to work system for planned maintenance jobs and safety hazards associated with the job.
* Pivotal in carrying out the routine and running maintenance of Mud Pumps (National 12-P-160, 1600HP Triplex Mud Pump), Drawworks (National 1320 UE , 2000HP), Top Drive (Tesco 1350 – ECI), Gumi Unit (Cameron BOP Control System) and various types of pumps and other oil field equipment.
* Distinction of carrying out the routine and running maintenance of crude oil export pumps, pressure & flow control valves and various other types of pumps & valves.
* Instrumental in carrying out the routine PMS and break down maintenance of diesel engines like Caterpillar (3516 B Electronic Control & Gas Engines & 3412 Gas Engines), Cummins, Electro Motive Division (3x 2600 Kva Two Stroke Engines) and Detroit Diesel Engines.
* Pivotal in carrying out routine PMS maintenance and troubleshooting of machines like Aqua Chem Water Maker (SR 600 Vapor Compression), Instrument Air Compressors (QUINCY – 350), Deck Cranes (National) and various types of fire extinguishers, fire pumps, salt water lifting pumps, life boats, compressors & other types of rotating equipment in the rig.
* Participated in the Safety Meetings on every weekend about the permit work system, emergency safety drills, working of life saving equipment on oil field and unsafe conditions.

**Dates -**  **Feb’01 to Nov’02**

**Company -** Tehama Trading Company, Hodeidah Republic of Yemen

**Position -** Senior Engineer – Field Service

**Location -** Canadian Nexen Petroleum, YEMAN-Middle East

**Duties include –**

* Carry out erection and commissioning of multiples Generator sets with large Engines including CAT 3600 & 3500 family.
* Plan and execute maintenance activities, Engine Overhauls, parts follow-up and support for uninterrupted functioning of Projects and Large engines.
* Successfully handled top & major overhauling of diesel engines like Caterpillar Engines (Models 3100, 3300, 3400 & 3500), Electronic Controlled Diesel & Gas Engines, Cummins, Perkins & Lister Peter Engines.
* Instrumental in troubleshooting and ensuring preventive & scheduled maintenance of diesel engines.
* Ensured daily inspections of Solar Turbines and Generators regarding fuel nozzles, leakages, lubricating oil cooler system, etc.
* Pivotal in checking flow pipelines & gauges and overhauling of reciprocating gas compressors and various types of rotary and screw compressors.
* Distinction of ensuring proper maintenance of various plants and equipment.
* Ensured checking of fluid levels, abnormal noise and leakages in mechanical pump seals.

**Previous Roles -**

**Dates -**  **Apr’95 to Jan’01**

**Company -** GMMCO Ltd., Bangalore (Birla Group Unit, Authorized Dealer of Caterpillar Asia Pvt Ltd Singapore)

**Position -** Senior Engineer Service for EPSG (Engine Power System Group)

**Duties include –**

* Carrying out the Top & major overhaul and repairing of CAT D 399, 3300, 3400 and 3500 A and B Series MUI & EUI Gas Engines at site.
* Successfully handled reconditioning of Cylinder Head & Water Pump Assembly, Turbo Chargers and Oil Pump. Pivotal in calibration and testing of Fuel Injection Pumps, Fuel Injection Nozzles and Fuel Injectors.
* Hands-on experience of visiting various customers’ sites for overhauling, major repairs and failure analysis. Instrumental in carrying out Re-powering of D399 Engines to 4 x 3516 EUI Caterpillar Engines at Hitdrill – 1 Drilling Rig, Mumbai High (Offshore).
* Conducting the In house Training for the GET’S & DET’S about Caterpillar Engine Operation & Maintenance and Trouble Shooting and Caterpillar Machine’s Operations.
* Conducive in identifying 3500 EUI Fuel Injector failures on account of poppet valve and apprised the same to Caterpillar, USA resulting into a Product Improvement Program.

**Dates -**  **Jan’91 to Mar’95**

**Company -** Diesel Care, Tirunelveli (Authorized Sales & Service Dealer for Cummins India, Pune)

**Position -** Engineer Service

**Knowledge Preview –**

* Deft in the operation, maintenance and overhauling of Wartsila 5400 KVA, Fuji 4000 KVA, SKL 1100 KVA Kirloskar Cummins 1000 KVA, Skoda 860 & 1450 KVA DG Sets.
* Adept in installation and commissioning of Cummins Diesel Engines, trouble shooting and overhauling of Cummins Models – NT & NTA 495, 743 & 855, KT & KTA 1150, 2300 & 3067 and VTA 1710.
* Well Experience on major overhaul and repairing of Cat Engines like CAT 3300, 3400 and 3500 A and B Series MUI & EUI Engines at site.
* Competent in maintenance and troubleshooting of large and medium speed diesel engines, various types of air compressors, deck cranes, valves and pumps.
* Holds the distinction of having a valid Certificate for Oil Field Safety Course like HEUT, Fire Fighting, Person Survival Technique & Social Responsibilities and Elementary First Aid.
* Conversant with all CAT special and diagnostic tools including Electronic Technician (ET) ECAP, DDT (Digital Diagnostic Tool) and barrel with electronic governors.
* Familiar with the Fuel system of HEUI Series Engines & CAT SIS and literature media.
* Well versed with reconditioning of sub-assembly like Turbo Charger, Cylinder Head Assembly, Oil Pump, P.T. Pump and Water Pump, etc.