**Floyd Calvin Miranda**

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**Profile Summary**

A focused professional with 8 years of experience in coordinating various projects and assignments with respect to resource deployment, and quality compliance to ensure execution within the time & cost parameters. Presently working as Manager –Mechanical Maintenance at Reliance Industries Ltd; Jamnagar, responsible for Mechanical Maintenance activities of PSA, Metering skid and CO-Shift Plant. Formerly worked as a Field Service Engineer at Alfa Laval India Pvt Ltd, Pune, responsible for Service, Troubleshooting, Commissioning and Fine tuning of Decanters and High speed Separators. Identifying Intermixing, Leakage, pressure drop and troubleshooting the same in plate heat Exchanger,Capacity enhancement and reduction of plate Heat Exchangers. Previously worked as Mechanical Maintenance Engineer, Expertise in effectuating preventive and corrective maintenance management systems of various Rotary and static equipment. Skilled in maintenance of static & rotary equipment as well as installation & commissioning operations of a wide range of mechanical equipment & machinery. Exceptional interpersonal skills to motivate associates for delivering desired performance under extreme circumstances & implementing standards for operational excellence.

**Core Competencies.**

**Mechanical Maintenance Engineer:**

* Preparing and ensuring compliance to the maintenance procedures, preventive and predictive maintenance schedules; providing technical support for critical and insurance spare reviews; managing laser alignment of rotary equipment; overhauling of pump, compressor, fin fan coolers and agitators.
* Liaising with store staff ensuring availability and delivery of required spare parts, tools, materials and equipment
* Planning and effectuating predictive & preventive maintenance schedules for various equipment/ lines to increase machine uptime & equipment reliability
* Implementing maintenance schedules and executing periodic checks to ensure performance of various equipment and maintaining requisite documents for the same
* Overhauling of rotary equipment like Centrifugal Pumps, Gearbox, Air-Compressors and so on; working with Mechanical seals and flushing plans.
* Deploying various methodologies to analyse processes, recommending modifications to minimize escalations, reduce rejection, realize operational efficiencies, control variability, costs & reduce cycle-time
* Conducting preventive & predictive maintenance, foreseeing performance bottlenecks and taking corrective measures to avoid the same; facilitating cost reduction

**Field Service Engineer**

**Separator:**

* Commissioning, troubleshooting and servicing of High Speed Separators (MAB 103, MAB 206, MMB 304,305, MMPX 303,304,403, P- Series Separators: P-605, P-615, P-626, P-636) in oil and gas, Marine & Diesel Application.
* Commissioning, troubleshooting and servicing of Separators (CLARA 15, CLARA 20, CLARA 200, AFPX 810, VNPX-310, BREW-310, VNPX-810, PX-80,100, SRG-509/610.) in Process applications like Fruit pulp processing, Dairy, Pharmaceuticals, Fish meal and oil, Edible oil plants and Breweries.

**Decanter:**

* Commissioning of Decanters in applications like Fish oil, Mango pulp, ETP, STP, Sugar Mud and Distilleries.
* Problem identification and Troubleshooting of Decanters and its associated process.
* Inspectingand making detailed report of machine vibration and performance accordingly recommending necessary spare parts required and carrying out service.
* Dedicated Alfa Laval representative for 5 Performance Agreement Customers in south and East with quarterly visits.

**Plate Heat Exchangers**:

* Identifying intermixing and leakage area in Plate Heat Exchangers (Gasketed, Semi-welded, Wide gap) troubleshooting the same and hydro testing to ensure no leakage.
* Performing Capacity enhancement and reduction of PHE’s based on customer requirement.
* Proficient in CAS Application for designing of Heat exchangers through online training.

**Pre-commissioning and commissioning Operations**

* Monitoring tasks with respect to cost, resource deployment, time over-runs, quality compliance and manpower planning to ensure timely execution.
* Performing pre-commissioning and commissioning of rotary equipments; conducting tests & inspections to ensure operational effectiveness.
* Supervising and handling of pre-commissioning activities of pipeline loops; punch points follow up, water flushing , air purging and cardboard blasting of pipeline loops .
* Expertise in lube oil flushing activities of steam turbine; calibration of steam inlet valve.
* Expertise in boiler commissioning activities; alkali boil out, steam blowing, safety valve floating.

**Work Experience**

**Presently working with Reliance Industries Ltd, Jamnagar from Feb 2019 to till date**

* Responsible for planning daily maintenance activities of PSA, Metering Skid and CO-Shift units by generating notification and creating work permits on SAP.
* Responsible for accepting permits, documenting risks involved in carrying out activity on a Risk Assessment sheet and explaining to contractor personnel, Delivering tool box talks to contractor.
* Responsible for commissioning and maintenance Activities of TGC-1(**Integrally geared compressor;7MW**) and TGC-2 (**wet screw compressor: 3.5MW**)
* Implemented **predictive & preventive maintenance** schedules for various **rotary equipments (pumps and Fin Fan coolers) to increase machine uptime & equipment reliability.**
* Executed Major modification of design in Heat exchanger to prevent generation of cracks in tube sheet to pass partition plate joint.
* Conducted Hydro test of various **Fin fan coolers and shell and tube Heat Exchanger**.
* Actively Involved in **Re-tubing activity of Shell and tube Heat Exchanger.**
* Executed online sealing activities of live pipeline flanges.

**Sep’15- Oct’18 with Alfa Laval India Pvt ltd, Pune.**

**Field Service Engineer – South & East**

* As per instructions from Regional service manager, reporting to customer and ensuring delightful service is delivered, keeping safety in mind ensuring use of adequate Personal Protective Equipment (PPE) and adhere to Safety instructions/policy diligently.
* Prepare Reports/documentation of every visit and minute all observations and commitments with customer and promptly report in Service Management system.
* Share market intelligence and customer insight and report business opportunities generated during service visits to sales team.
* Report / Support in warrantee claim faced/noticed during service visits.
* Communicate Product related change notifications, Train customers/distributors on installed products.
* Explore opportunities for new performance agreements/service contracts during visits.
* Acquire up-to-date technical knowledge about products and applications.
* Meeting Field service KPI’s aligned with customer requirements.
* Capture and update installed base.

**Feb’15 –Aug’15 with Roshani Power Distributions Ltd,(ONGC-MRPL), Mangalore.**

**Mechanical Maintenance Engineer –CDU/VDU**

* Prepared and implemented predictive & preventive maintenance schedules for various equipment/ lines to increase machine uptime & equipment reliability.
* Successfully` planned and executed **overhauling of Vacuum residue pump, 2 stage BB2 Centrifugal Pump (M/s SULZER).**
* Successfully planned and executed **Overhauling of back pull out pumps OH2 (M/s FLOWSERVE, M/s SULZER).**
* Conducted Maintenance activities of **Fin fan coolers; Bearing replacement, blade and cowl plate Clearance adjustment, Blade angle setting, Fan-motor pulley alignment.**
* In-charge for the **Decoking** activities of **VDU heater (2 pass, Box type)** & oil gun cleaning activities.
* Identifying and arresting leakage by plugging tubes and conducting Hydro-test of shell and tube heat Exchangers.
* Executed technical bid evaluation & procurement of filtration trolleys, centrifuges, mechanical seal & spares.
* Reviewed and provided **feedback on alarm/trips, logic delays equipped with online monitoring for rotary equipment based on OEM recommendations & experience.**
* Performed **knowledge sharing** on various topics related to equipment’s in CDU/VDU plant to the newly joined trainees.

**Jul’13 – jan’15 with BHEL-PSSR (ONGC-MRPL), Mangalore**

**Engineer-Power Plant Commissioning**

* Commissioning and Maintenance Engineer for **Utility Boiler (4\*270Tons/Hr.**) commissioning; gained exposure to boiler commissioning activities like **Alkali Boil Out, Boiler Steam Blowing, Safety Valve Floating & Rotary Air Preheater commissioning and regular maintenance activities.**
* Participated in commissioning of **Steam Turbine Generator (STG) (2\*32MW), Lube Oil Flushing of STG**.
* Contributed as a member of commissioning and maintenance team for **rotary equipment like HP BFW Pumps, Centrifugal, Reciprocating, and Positive Displacement Pumps.**
* Serviced **GEA Westfalia Centrifuges**.

**Aug’12 – Jun’13 with Powernet Distribution Solutions (ONGC-MRPL), Mangalore**

**Engineer-Mechanical Maintenance**

* Contributed as a part of the **pre-commissioning & commissioning** team for **SRU, Compressed Air & Nitrogen Plant**.
* Responsible for pre-commissioning and commissioning of **Pumps; mechanical seal line flushing in SRU plant**.
* Successfully Executed **Commissioning of MCC Blower ;9 stage Centrifugal blower, 900KW(M/s Ingersoll Rand).**
* Successfully planned and executed **commissioning of Air compressor (Phase-3), Overhauling of Air compressor (Phase-1); 3stage Centrifugal compressor with inter-stage and after-stage cooling, 480KW; CENTAC series (M/s Ingersoll Rand)**
* Conducted Spare Part Analysis & procured spares for various pumps in SRU plant.
* Managed the contractors for pre-commissioning activities of SRU plant; assigned specific duties according to their experiences and skills.

**Jul’11 – Jul’12 with ONGC-MRPL, Mangalore**

**Graduate Engineer Trainee**

* Responsible for follow up of erection, mechanical completion and Hydro-test of pipeline loops in Crude / vacuum distillation plant during project stage.
* Gained exposure to the following units as per scheduled training in the running plant, **CDU/VDU, Co-generation Power Plant, Hydro Cracker Unit, Catalytic Reforming Unit and Oil Movement & Storage.**
* Gained Good knowledge of the international Codes and standards like **ASME, API, TEMA, BS, ANSI, NFPA, ISO** etc.
* Conversant with reading of **Plot plans, P&ID’s, General Arrangement drawings and Cross-sectional drawings**
* Actively Participated in **Shutdown Activities of CDU/VDU Phase-1 plant.**
* Actively Participated in **Shutdown Activities of CCR, overhauling of (Reciprocating compressor; Kobelco; 2- stage ; 2.5MW).**
* Assisted in Mechanical Maintenance Activities Pertaining to Pre-commissioning and Commissioning of CDU Phase 3 plant.
* Coordinated with the Project Management Consultant (PMC), contractors and vendors during the initial start-up of the mechanical equipment during commissioning stages.
* Documented Drawings, data sheets and test certificates of equipment’s for future reference and Maintenance related Activities.

**Trainings**

* Bearing and Lubrication by SKF at ONGC-MRPL.
* Reciprocating Compressors at ONGC-MRPL.
* Pumps and Mechanical Seal Selection at ONGC-MRPL.
* Refinery HSEF trainings at ONGC-MRPL, Mangalore.
* Decanters, High speed separators, plate Heat Exchangers and Air Heat Exchangers at Alfa Laval (I) Pvt Ltd.

**Technical Skills**

* MS Office (Excel, Word, PowerPoint) & Internet Applications
* Software: Solid Edge, ANSYS

**Education**

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| 2011 | BE in Mechanical Engineering from PA College of Engineering, Mangalore with 67.03% |
| 2007 | 12th from St. Aloysius PU College, Department of Pre-University Education, Mangalore with 80.62% |
| 2005 | 10th from St. Aloysius High School, Karnataka Secondary Education Examination Board, Mangalore with 73.9% |
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**Personal Details**

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| Date of Birth: | 11th Dec 1989 |
| Languages Known: | English, Hindi, Kannada, Konkani & Tulu |
| Passport No. | H9296007 (Valid Till 05th Jan 2020) |
| Mailing Address: | Ashirvad, 3rd cross Road , lower Bendur, Mangalore-575002 |