|  |  |  |  |
| --- | --- | --- | --- |
| MIHIR E-Mail: mihir.164901@2freemail.com Date of Birth : 24/05/1969Nationality: IndianNo. of Years of Experience : 24Driving Lic.: 4W LMV (India)Linguistic Ability: English + 2 Lang. Notice Period: 1 MonthsPresent CTC: Expected CTC : (Negotiable)*Presently working as* ***Manager-Engineering, Maintenance, Workshop****with****Rockwool India Private Limited(subsidiary of Alghanim Industries, Kuwait)*** *at Silvassa-India. Overseeing PM, Shutdown & Breakdown maintenance & machining jobswith Tool Room to upkeep DCS-SCADA continuous process plant having Fiberizer machinery, Cupola furnace, conveyers, Blowers up to 50000CMH, Air Compressors, Captive Power Plant, Flying Saw, cooling towers, RO Plant, water treatment plants, ETP, Pumps, CuringOvens,Fire Hydrant Systems, HVAC, Welding & Fabrication of Piping etc.Responsible for development of Spare parts &managing Tool Crib, Reconditioning, Modification of machinery.*SUMMARY OF TECHNICAL SKILLS

|  |  |  |
| --- | --- | --- |
| Engineering ServicesPlant Maintenance EngineeringOperations & Maintenance Preventive, Predictive, Proactive Risk Based InspectionRotating & Static EquipmentHydraulics & Pneumatics SystemsOver Hauling & ServicingDesign and DevelopmentSpindles, Hydro-Dynamic BearingsLubrication System, Oil TestingHeavy Machinery MaintenanceMaterial Handling EquipmentCNC & Conventional Machine Tools Special Purpose Equipment- SPMMachine Building & Reconditioning | Green Field ProjectsResource Planning SchedulingProjects Monitoring & Execution Erection, Installation, Start-up Pre-Commissioning, CommissioningShutdown MaintenanceWelding&Fabrication ShopPiping, Supports&PlumbingMachine Shop- VMC, HBM, TCWork Shop Operations, ToolingAssembling - DismantlingCaptive Power Plant – Gas/DieselUtilities, Pumps, CompressorsHVAC, Chilling PlantsCooling Towers, Water TreatmentBudget & Budgetary Control | Equipment Log Book / RecordsCMMS, Work Orders, MIS ReportsCalibration & Testing,NDTThermography Vibration AnalysisPLC/SCADA &Fault DiagnosisContinuous ImprovementsLockout-Tag out (LOTO) Work Permit SystemImplementing TPM, Kaizen & 5SKRA, KPI, MTTR, MTBF, OEEQS/ISO9001, TS16949, ASMECBM, RCM & Safety conceptsInternational Standards & CodesWhy-Why-Analysis Root Cause Analysis (RCA)Spare Parts Management |

**COMPUTERS & IT*** Established & maintained CMMS: Maintenance work control processes, planning, scheduling, releasing, Work Order tracking and reporting of maintenance workflow utilizing the **Computer Maintenance Management System (CMMS)**
* Proficient **in AutoCAD, SolidWorks, Inventor, CATIA**: 2D/3D Modelling, Sketch, Manufacturing Drawings, Analysis
* Ability to **design & produce CAD drawings**: GA, 2D, 3D, Isometric, Piping, PID, Layout, Parts, Assembly, Exploded View
* Prepared **Factory Shed Layout**, **Equipment Layout**, **Equipment Foundation drawings**, **As-Built drawings**
* Proficient on  **Windows and Linux OS, MS Projects, Oracle Primavera; MS Office, MS Access and familiarity of ERP System**
* **Excellent Knowledge of Electrical& Electronics systems and sub systems – Transformers, Sensors, Switches, PCBs, Active & Passive Components, Cabling, Wiring, Connectors, Calibrators, Use of Multi-meters, Clamp Meters, etc.**

PREVIOUS ASIGNMENTS / EXPERIENCE**Unit Head–Machine Shop + Assembly Shop)**2015 – 2016**Solitaire Machine Tools Limited ,**Vadodara| INDIA Machine Assembly Shop, Machine Shop, Mfr. Of Centreless Grinders for CINCINNATI USA and BOCCA-S.p.A.Italy for India**Responsibilities:Assembly, Development, Maintenance, Machine Shop, Testing** Team of 30 | Reported to MD* Preventive, Breakdown Maintenance and Overhaul of Machine shop/Fabrication shop equipment: Sheet Bending, Sheet Rolling, Plasma Cutting, TIG/MIG/Argon/MMAW Welding equipment, Power Presses, Punch press, Press Brake, Shearing M/c, HBM, VMC, CNC Turning centres, Radial Drills, etc.
* **High Precision Machine Building & Reconditioning**, **Hydraulics Systems, Lubrication Systems, Assy. of Hydro-Dynamic Spindles**
* Maintenance **CNC (Fanuc/Siemens), Conventional Machine Tools**, SPMs, Sheet metal fabrication
* Provided **design & development** detailed drawings, **Autodesk Inventor**, CAD, BOM, for SPM machinery

**Mechanical Project Engineer**2014-2014**SKALD Group-Grand Tiger Mechanical & Industrial**, Manama | BahrainConstruction, Fabricated Products, Asphalt Plant, Ready Mix Plant, Plastic Processing, Heavy Duty Trailers, Shutdown Maintenance**Responsibilities: Fabrication & Machine Shop in-charge, Shutdown projects, Workshop** Team of 110 | Reported to PM* Maintenance of Concrete Ready Mix Unit,Machine Shop equipment, fab. of Steel Shuttering for Hidd-URS, Muharaq Ring Road
* Erection & installation of equipment for Asphalt Plant Project, structure, machinery, foundation.
* Fabrication of Sheet Metal parts and assemblies for Lime Silo Project, Tankers, Dumper Trucks, Chassis, Body etc.
* Fabrication In-charge of54 nos. Dumper body 16, 22 Cu.M.& Assembled on Benze Actros Heads trucks (Saudi Arabia company)

**Engineering Consultant-Mechanical**2013- 2014**Intouch Engineering Private Limited,**Vadodara | INDIAEngineering Consultancy &Solutions to process plants: Oil & Gas, Depots & Terminals, Refineries, Petrochemicals, Chemical & Skids.**Responsibilities: Installation, Commissioning**Team of 12 | Reported to Director* Mechanical Commissioning of piping, Installation of static and rotating equipment
* Provided commissioning support for Jet Fuel Tank Farm in Sharjah-UAE
* Handled piping project for ABC, GNFC, Lonsen Kiri Chemicals Ltd. Etc.

**Site Supervisor (Manager)-Operations &Maintenance**2012- 2013**Vectrus - formerly ITT Systems Corporation (USA)** Kabul | AfghanistanOperations & Maintenance Contractor for Defence, US Corps of Engineers, ANSF, ISAF, Super FOB of ANA**Responsibilities: Facilities O&M, Installation, Commissioning**Team of 75 | Reported to PM* Headed O&M of Power Plant 10 MW – Caterpillar 3512B x 7nos. , Diesel Storage tank farm O&M
* HVAC- York (UK) units Diesel Burners, Refrigeration Systems, Training, FacilitiesInstallation& commissioning
* Maximo CMMS- Work Orders management, closing, spare parts ordering, Planning and Scheduling of work and manpower

Dy. General Manager. – Engineering Services2011-2012**Innoventive Industries Limited**, Pune, Maharashtra | INDIATS16949 ISO/QS9001 Mfrs. Of ERW, CEW & D.O.M. Precision Steel Tubes, Hollows, Sectional Pipes &Tubes, AutoComp, Fabricated Products**Responsibilities:Engineering Services, Maintenance Projects, New Product Development** Team of 70 | Reported to GM* **Headed Engineering Services**for Direct-On-Mandrel Steel Tubes in Mega factory (DOM) & ERW/CEW
* Tube Mills(25mm – 114.3mm) Maintenance of 4 nos., De-coilers, Rolls, Slitters, Looper, Flying Saw, 500KW HF welding, 400KW HF Annealing furnaces equipment, 6nos. Draw Benches, 2 nos. Pipe Straighteners, Robotics Welders. CNC Turning Centres, Tool Room Machine Tools, Robotic Weld4c ers, Pumps& Cooling Towers, DM Water Plant, 24 Nos. Pilgers up to 120TChinese built)
* Captive Power Plant- O&M of 02 nos. Diesel Generators Cummins 3000KVA based, Fuel Management, Spares & Service
* Reciprocating / Screw Air Compressors- O&M of Atlas Copco 1xGA55, 2x GA37 & Ingersoll-Rand ML45, Spares Parts Mgmt.
* E.O.T. Cranes: 22 nos. Demag/Electromech/Hitech, SG/DG Wide Span 2T to 32T, Fork Lifts 3T-7T

**ACHIEVEMENTS*** + Successfully reconditioned and Commissioned STP: FRP Scrubber 20000 CFM Blowers, Fabrication of MS-PP Acid Tanks, Refractory Brick Lining, SS Tanks, Thermo-pac Boilers, Feed Water Pumps, mechanical Seals & Pipe lines, E.O.Ts, Controls
	+ Tube Mill Line:~30% Downtime reduction on Ǿ114.3mm OTO-Gallium-Roll Form
	+ Refurbished 50T Draw Bench in 2 months and regular operation increased production by 300T/month
	+ Replacement of indigenous control system on Demag EOT cranes with VFDs and reduced 60% downtime

Plant Head (Maintenance/Projects/Utilities/Central Work Shop)2009-2011 **AFRICA INDUSTRIES (PARCO GROUP)** **(ISPAT Steel Nigeria Ltd.**&**A.W.A.I.L. (Nig.) Ltd.African Fertilizer & Chemicals Nigeria Ltd.**  Lagos | NIGERIA**.**ISO/QS9001 Mfrs. Of Steel, Hot Rolling, Cold Rolled Steel, Steel Rebars, Pipes, Roofing Sheets,SMS,Chemicals, Glass, Silicate, Fertilizer **Responsibilities:**Work Shop – Machine Shop, Fabrication Shop, Installation&Commissioning, Plant O&M, Projects Team of 80+ | Reported to TD* Prepared pre-commissioning, commissioning & Start-up execution plan for :
	+ 250TPD Steel:2”Pipe Mill, Slitters, 2 nos.GI/HR/CR SheetCTL Lines 0.2-2.0 mm& 2.0-7.0 mm, Wire Cutting Machines &Civil Concrete Foundation work, Hydraulics System & piping, Electrical power, control panels and Cable laying.
	+ Electrical Overhead TravelEOT-Cranes50T,10T, 5T, Double Girder, 165M Rails
	+ 3500 MW Captive Power Plant:3x Diesel Perkins Engines, 3x Natural Gas based WV 17.5/22A GE-Guascor, Forced Draft Cooling Towers, Water Treatment Plants, Reciprocating / screw compressors and fabricated compressed air Piping and receiver.
* Prepared Plant Layout of new project, equipment GA and Built Plant from Kirby Pre-Fab structure systems sizing L200MxW100MxH9M
* Steel Processing (Profit Centre): Managed entire Operations for a for CR/HR/GI/ Alu-Zinc Coils, Tube Mill, Sheets & Reinforced/ Plain steel wire coils & rods with capacity of 100,000MT.
* **Compressed Air 600 CFM Plant:** IR 231T Reciprocating & ELGI & IR ML-45 Screw compressors,**Piping**, Receiver, Dryer.
* **Refurbished Acid Plant: Revamped** 1.2Mtpa H₂SO₂& Alum Plant: Piping Fabrication and replacement of static and rotating equipment: Storage tanks & piping fabrication, process water & acid storage tanks De-sludging, Cleaning.50000 cfm **Blowers**, Motors, **Boilers**, Columns & Chimneys, Process Equipment, VFD AC Drives, SCADA DCS controls systems.
* Production planning and control (PPC) ,Planned Spare parts for 2 Years ops., Production of HR/CR/GI products on 2 lines
* Material Handling Equipment- Spareparts management, Trouble Shooting, Servicing, Overhauling

Hyster UK Forklifts >18T, Grove/Ace Mobile Cranes 15T, 40 T, JCB Backhoe, EX200 Tata-Hitachi Excavators Scissor lifts, Voltas Pallet Trucks**ACHIEVEMENTS*** Trained supervisors and local staff in production, maintenance and achieved 70 to 95% reduction in rejections, 12%
* Stabilized production lines- WSM, CTLs, TM, EOTs, Forming lines resulted 99% un-interrupted and production.
* Achieved Daily Production target up to 250 MT of steel products & Dispatches achieved up to 360T per day
* Achieved Monthly dispatch of up to 6000 MT

Asst. Manager – Engineering Support, Sr. Exec.- Production & Maintenance2004–2009**Lenox India Private Limited**(Div. of American Saw & Mfg. USA),Ankleshwar | INDIAISO/QS9001 Mfrs. . of Solid and Saw type cutting tools, Carbon and Bimetal Band Saw, Carbide /HSS Drill Bits, Reamers, Power Saw, HandSaw, PVC Saw, Frames, Hole Saw**Responsibilities**:- New Projects, Fabrication & Machine Shop, Utility Services, O&MTeam of 24 | Reported to ED* Technology Transfer: In my leadership with 8 technicians trained in the USA facility, successfully commenced mfr. of 8 products in India.
* Planning and monitoring Commissioning stages to ensure full implementation of 6 nos. export qualityproducts
* Stabilisation of manufacturing processes& machinery, setting parameters for Quality of products as per approved process plan from USA
* In-charge of Productionof Bimetal Products, Headed Mechanical maintenance and Tool Room Facilities
* Fire FightingSystem Pipe line / plumbing: Compressed air, Hydraulics, Copper / SS / Inconnel Piping: Gases: LPG-Propane, NG, N₂, O₂.
* Dip Painting with conveyor systemDesigned and installed for continuous operations on blade painting (Nitro-Cellulose based) with 10000cfm scrubberunit blowers and ducting. Printing Machinery: Pad Printing Machinery, Domino High Speed Printers.
* Maintenance of Slitters Lines, Coilers-Decoilers, Multi-Decoiling systems up to 60 coils, Rolling & Straightening equipment Lines
* Gas Storage Tanks: Porta-Cryo Oxygen and Nitrogen facilities, NG, Propane ( LPG) storage facility, Valves, Gauges, Multi-stage pumps
* Developed vendors for procurement of spares and consumables for Product, Tooling, Paints, and HF Blister Packaging in India.
* E.O.T. Cranes: 12 nos. capacities 2T to 12T, and Pneumatic Hoists, Material handling Fork lifts, Winches, Gantry.
* CNC machines: O&M Calibration of 5-Axis Huffman (15MA Fanuc), 4-Axis Kesel Milling (Hiedenhain), (Siemens) CNC Turning Centres, Cincinnati & Other International make Centre Less Grinding Machines
* Press Tooling: Development &Refurbishment of Hot Blanking Carbide Dies, Blanking Dies, Press Tools, Maintenance Parts, Jigs and Fixtures

**ACHIEVEMENTS*** Electric Annealing Furnace, jigs & fixture: Achieved shining quality by introduced N2 gas purging technique.
* Designed and built a loading/Off-loading system for 60 coils in-feed systems with 100% product safety.
* Achieved 300KM/Month of Bi-Metal Bands
* Reduced energy consumption by selection of VFD air compressors GA7VSD and adherence to PM schedule.
* Developed Tooling, Press Tools, Carbide Dies in house saved 35% cost. Achieved 100% tooling availability by refurbishment
* Designed & custom built Shot Continuous Blasting equipment with turn table and synchronised feed mechanism.
* Reduced nozzle consumption up to 50% by introducing improved Nozzles and dust collection system of Shot Blasting.

Executive-Utility & Services, Senior Engineer- Maintenance Work Shop1991–2004**ABC Bearings Limited**, (Collaboration with NSK Japan) Bharuch | Gujarat | INDIAISO/QS9001 Mfrs. Of Rollers, Balls, Cage, Forged Rings, Taper Roller & Ball Thrust Bearings, Railway Bearings, Wind Mill Bearings, Products for Defense & OEMs**Responsibilities:**- Maint. Work Shop, Projects, Installation, Commissioning, O&M, UtilityTeam of 45 | Reported to GM* Preparing commissioning plan review reports as defined in the test documents for new installed equipment
* HVAC-Chilling Plant 2x126 TR: Handled installation & commissioning,Cooling Towers, Pumps, Brine piping, AHU, Ducting, insulation
* Coolant Emulsion Filtration system:Fabricated, 25KL Capacity with 3 Magnetic dust separators and Paper band, 60HP CF pumps and Water Softening Plant, Pressure Pipe lines, Return Lines Chutes, DM Water, RO water plants and raw water plants
* Captive Power Plants (~3000kw)based on Diesel Marine Generators, Natural & forced draft cooling towers, Tube type/ PHE heat Exchangers, Mufflers/Silencer, piping work and fuel storage systems. Functional testing & reviewing mechanical specs of above
* Compressor Plant 8bar/1000cfm: Installed and commissioned, Spare Parts management, Trouble shooting, Overhauling & Servicing
	+ 02 nos. of Ingersoll-Rand **Reciprocating Compressors**IHE-5 LUB 7”x7”& 12”x7’
	+ 7 nos. of **Screw Compressors** Atlas Copco GA18, GA37 and 55C
* Piping& Plumbing: Compressed air, Fire Fighting, Gases: LPG-Propane, Insulation of Chilled water – Colour coding, corrosion protection
* Heat Treatment Plant: Furnaces-CLC-Tempering-Shaker Hearth, Nitrogen Generator, Endo Gas generation plant, Salt bath, LPG storage, Steel wire mesh Variable speed Conveyors, Elevators, continuous process plant. Gas Booster Blowers
* Precision SPM Grinding M/c Lines: Hydraulics System Automation with CNC/PLC based (Famir International, Italy) & Centre Less Grinding (Cincinnati/WMW), Japanese Izumi, German BWF. Chinese Roller Grinding, Precision Roller Sorting machine, Etching machine, Stamping
* Heavy Equipment: National Machinery USA - Solid open die cold heading machines 500T & 750T, Power Presses (Ameteep) up to 500T, Indabrator & Wheelabrator USA Shot Blasting equipment with dust collectors, 0.2T-10T EOT Cranes, Fork Lifts, Hydraulic Pallet Trucks
* Grinding Spindles : Hydro-Dynamic Spindles with Segment bearings, High Speed 18000-36000 RPM (Angular Contact Bearings)

**ACHIEVEMENTS*** Converted conventional control logic to PLC and hydraulic power packs on 16 SPMs, reduced MTTR, increased MTBF
* Filtering and condition monitoring of the hydraulic oil in 70 machines increased uptime by 35-40%
* Reduced consumption of oil 1800L to 450L in coolant emulsion system 20KL hygienic, controlled micro-bacterial growth.
* Saved replacement cost of expensive Inconel metal Cast Link Conveyor (CLC) for Endo Gas based Hardening Furnace
* Created Maintenance Stores& implemented spares parts & spindle management system, 95% availability of spares.
* Stabilized production lines by superior plant machinery layout and achieved desired production per month

**EDUCATION**1991: Diploma in **Mechanical Engineering 72.2%** 1st Class with Distinction [**Government Polytechnic College**, Valsad | INDIA] Major: **Power Plant Engineering, Tool Engineering, Refrigeration & Air Conditioning**1989: Higher Secondary School Certification Examination **(12th  H.S.C.)** 45% from G.H.S.E.B. Gujarat State, India 1985: Secondary School Certification Examination **(10th  S.S.C.)** 75% 1st Class with Distinction G.S.E.B. Gujarat State, India 1985**TRAINING & CERTIFICATION**2013 Certificate of Appreciation U.S. Army Corps of Engineers, [Afghanistan]2005 Certificate in Die &Tool Room Maintenance & Metallurgical Lab Functions University Of Lenox, [Massachusetts USA]2004 Total Productive Maintenance (TPM) Training by JIPM, (VCCI) [Vadodara, India] 2002 Certificate in Windows, Linux & SCO Unix System Administration from IIHT [Bangalore]1996 Internal Quality Audit System Training by Total Quality Management Institution (TQMI) [Vadodara, India]2002 **Certified Senior Technician Associated** Member of Institution of Engineers (A.M.I.E.), [Kolkata | India]Place: Date: 23-Apr-18 Sign. (Mihir) |