

R SENTHIL KUMARAN

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Maintenance Expert in Electrical, Mechanical and Civil / Safety, Utility, Facility & Environment Management / Leadership

- Senior Manager in Plant Engineering, with over 20 years' experience in Utilities, Waste Management, Statutory Compliance, energy, Water and Environment Management Systems and Safety
- Highly knowledgeable, skilled and expert in Plant Engineering
- Expert in contract man power management, resource planning, vendor procurement, inventory management, budgeting planning and execution
- ISO 45001:2018, Process Layer Audit & ISO 50001:2018 Internal Auditor certified.
- Excellent team management, problem solving skills, good negotiator, analytical skills and decision-making ability
- **Multiple achievements:**
 - 3-ton fire tube boiler converted from external furnace into built in furnace result in 60% fuel reduction
 - Reduction of 20% power cost, optimization of AHU, improved equipment's preventive maintenance proficiency from 70% to 99.3%, optimized cooling tower retrofit from 1200 to 800 Tr. And reduced water losses
 - Installed automatic power factor correction meter in capacitor bank circuit to maintain 0.99 and sealed Quench Furnace 120 Tr. Cooling Tower Optimization without Circulation pump operating by Gravity Force and saving 10 Kw Motor Eliminated from the circuit
 - IE3 Energy efficient motor conversion all utility Equipment's
 - Condensate recovery system from waste hot water 100 % Fuel Utilization of boiler and water Consumption 85 % Reduction.
 - Energy Management system - Purchase a Captive WIND / IEX power Daily Bidding, Document formalities follow up TNEB for manage power crises & reduce the power cost 45 %
 - By reduce the Cost I was Initiated Hazardous /Non-Hazardous waste co processing to cement plant 50 % Reduction of process waste
- **Received multiple awards:**
 - CII National Energy Leader & Excellent Energy Efficient Award – 2019 , 2015,16,17 &2018
 - **BEE Minster of power National Energy Conservation Award – 2008 1st Prize & 2013 3rd prize**
 - CII Water Conservation Award – 2011
 - CII Best Environmental Practice Award – 2012
 - ESH 4 Star Rating Award – CII – 2018

WORK HISTORY - Management of Maintenance in Electrical & Mechanical, Utilities Equipment's Facility, Energy, Environment, water & Safety.

Apr'12 – Present

Stanadyne India Pvt Ltd., Tiruvallur

Fuel Injection System (Diesel Fuel Injection Pump, Injector fuel assembly of off-Road vehicles)

Senior Manager – Plant Engineering

Key Deliverables:

- Responsible for new project and factory set-up - Lead project at SHARAJAH Plant -Machine Electrification, Building Modification, Puff Panel erection & Pneumatic with Cost effective measures.
- Manage energy activities for plant engineering including monitoring, firefighting and equipment maintenance
- Instrumental in Audits, EMS System, monthly Kaizen, Troubleshooting, 6 'S', and compliances
- Managing legal requirements – handling TNPCB consent renewal, TNEB, IBR certification, CIEG new machine's safety certification, government approvals and green projects
- Managing daily issues – breakdown monitoring, power and fuel maintenance, troubleshooting, control and analysis of MTTR & MTBF, GRN/MR, water management and DRM reviews
- Partnered with Project Teams for New Machining layout, electrification, Pneumatic, erection and commissioning, **CAPEX reviews**, budgeting & funding
- Leading Safety Management for India and Sharjah plant and Maintenance for machineries and equipment's, Battery management, Facility Improvements and Development
- Partnered in Recruitment activities, MIS Management and performance reporting
- Possess excellent troubleshooting of all Utilities equipment's (Compressor, Generator, STP, ETP, RO, Boiler and VAM Chiller, AHU's & HVAC climate Control, HEPA Operation to Monitoring Humidity & Temperature optimization.
- Improved Equipment's preventive maintenance proficiency from 70% to 99.3% and Equipment's Nil Break down
- CNC Machine Back up Power UPS (1000 KVA) Maintenance and Battery Management
- Experience in all firefighting equipment's, (smoke detector, sprinkler, fire extinguisher)
- Building Management – Inspecting and repairing Electrical, Mechanical, Civil and Interior Works
- Shop floor Operator working Comfortable and in house Facility improvement
- Inspect building structure to determine the need for repair or renovations
- Review utilities consumption on Daily and strive to minimize costs
- Control activities like Hazardous/ Non-Hazardous waste disposal, building CCTV security
- Telecommunication Facility
- Handling utility project service contracts, IATF 16949: 2016, EHS Certification ISO 14001:2015 & BS – ISO 45001: 2018, ISO 9001:2015 & ISO 50001: 2018 by creating / maintaining / and supporting Nil NC Reports

Strength:

- Positive attitude, good team management, Hardworking nature, Team work Committed, problem solving skills with the ability to work in tight schedule
- Costs negotiate to the contractor relating to AMCs, Electrical and Mechanical & Civil work & fabrication work.
- Analytical approach, good decision-making ability.
- Punctuality, Interpersonal learning and team skills

Area of Interest

- Doing challenging jobs and Team management to Maintenance & Facility

CORE COMPETENCIES

- Energy, Water & Environment Management
- Fault Analysis/Troubleshooting
- Budgeting / Resource Planning
- Documentation / Systems/ MIS PPT
- Spare Parts & Safety Management
- PLC Electricals & Electronics
- Maintenance Expert & Innovator

EDUCATION

- B. Technology in Electrical Engineering
Rajasthan Vidyapeeth University
2007 – 2010 – Electrical
- Diploma in Electrical & Electronics
Shanmugha Polytechnic
1991 – 1994 – Electrical & Electronics Eng.

OTHER COURSES & TRAININGS

- Advanced Diploma in Automation PLC using Relay Logic 2011
- **PLC Interfacing in HMI & SCADA 2011**
- Advance Energy Efficiency Training, Preventive Maintenance, Energy Summit
- CII Environmental Best Practices and Green Co & BQRS Level IV+ Training
- ISO 9001, 14001, 45001 Internal Auditor Certification & ISO 50001 – 2018 Energy Management
- Electrical 'C' License No. 20232 – Valid till November 2023

Presentation Skills

- National Energy award contest – Indoor & Outdoor (Customer & supplier)
- Internal Trainer for Utility equipment's working principle, Energy
- Preparation of MIS and presentation to our team member's & sharing to Top Management
- Internal Trainer for Industrial Safety and Hazardous waste Management to Shop floor Technician /Contractor

PERSONAL DETAILS

DOB: 14th March 1976

Languages Known: English and Tamil

Address: No. 16, Sakthi Nagar, Mangadu, Kanchipuram District, Tamil Nadu – State

ADDITIONAL DOCUMENTS

- BEE Minister of power Award certificate
- Internal Trainer – Energy & safety
- Award Contest & winning certificate – National level
- CII Green co certificate and National level presentation.
- Kaizen Competition

REFERENCES

- Available on request

Aug'03 – Mar'12

Reynolds Pens India Pvt Ltd., Sriperumbudur
Manufacturing of ball Pen and Tip

Assistant Manager – Maintenance

Key Deliverables:

- Headed the Maintenance function for all utilities and machines **related to PLC & Sensor**
- Expert in executing preventive and breakdown maintenance issues, air compressor optimization, new machine erection and commissioning and related activities
- Introduced and implemented POKAYOKE mistake proof to avoid machine malfunctioning

June'98 – July'03

Showa Engineering Ltd., Sholinghur – Break India Division
Manufacturing of Hydraulic wheel cylinder

Junior Engineer – Maintenance

Key Deliverables:

- Played a vital role in handling machineries ACME Hydraulic boring machine, Guild mister and MMT drilling machine
- Successfully managed daily hurdles – breakdowns, main problem, modifications, **maintenance issues & TPM**
- Worked on analysis for maintenance issue resolutions.

Nov'97 – May'98

K.K. Nag Limited, Chennai
Manufacturing of Thermocol

Shift Supervisor – Production & Maintenance

Key Deliverables:

- Supervised Production and Electrical Maintenance Function
- Instrumental in molding machine maintenance
- Looked after daily routine maintenance and production commitments.

PREVIOUS ASSIGNMENTS

July'1997-Nov'1997: Keyem Engineering Enterprises, A Grade Electrical Contractor Chennai as Site Engineer

- Erection and commissioning of 22 KV and 11 KV / 440 V transformer including substation yard work for as per Indian electricity Rules. MV equipment's and irrigation of pump.

Dec'1995-June'1997: Jai Bhubaneswar Fine Chemicals Pvt. Ltd., Pudukkottai as Maintenance Supervisor

- C license Holder - Operation and Maintenance HV/MV Transformer, M.V. Switch Gear room

Oct'1994-Oct'1995: State Govt. Electrical Inspector Office, Trichy as Electrical Apprentice

- Scrutiny of drawing in various H.T. installations. Inspection of the H.V.M.V Transformer M.V. Equipment and also inspection of distribution transformer (T.N.E.B)