



# M.J. THAJUDEEN

## MECHANICAL ENGINEER



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DUBAI UAE

### OBJECTIVE

*An enthusiastic self-starter engineer with strong leadership and communication skills, proven academic achievements and posses the right technical and soft skills required to propel the organization achieving its goals and objectives and make the difference.*

### PROFILE SUMMARY

- Overall 11 years of cross-cultural experience in Facility Management & MEP right from development to delivery encompassing planning, monitoring and controlling in various phases of project. Overall planning and monitoring of resource, cost, material and machinery.
- Expertise in managing maintenance operations for reducing breakdown/downtime & enhancing operational effectiveness of equipment.
- Proficient in conducting failure investigation analysis to identify gaps & take corrective measures to reduce equipment downtime.
- Skilled in planning and effecting predictive & preventive maintenance schedules for various machinery and equipment to increase machine uptime & equipment reliability. Possesses in depth knowledge of mechanical principles and applications along with techniques
- Adept in managing erection & commissioning activities involving resource planning, in process inspection and coordination with Internal & external departments.
- Sound Knowledge in all MEP services including **HVAC / Water Supply / Drainage / Fire Fighting Systems / Electrical & BMS.**
- Sound exposure in HVAC standards & SMACNA Standards , Plumbing codes Like NFPA,IPC & Electrical Codes (Nec)
- Sound exposure in Installation & commissioning & testing like Galvanized pipes, black steel, stainless steel, copper, PVC, CPVC, PPR, HDPE.

### INDUSTRIAL EXPOSURE

#### Asset Management

#### Project Planning & Control

#### Project Execution

#### Equipment Installation

#### MEP services

#### Troubleshooting

### EXPERIENCE

#### SR. MAINTENANCE ENGINEER

(MAY 2018 - NOV 2021)

##### TECH SHARP ENGG PVT LTD – CHENNAI

- I lead and manage the facilities management service provider to provide facilities engineering/management activities, the functional operations of the facilities and maintenance service and support. facilities services include corrective, preventive and predictive maintenance, as well as capital projects, plant operations, subcontract management, space management assistance, and clean room support.
- I Manage all Facilities Contractas and contractors, and maintain review process for contracts such as (Site security, waste management, janitorial cleaning, sprinkler systems, Plant alarm systems, CCTV, Thermo graphics, PATS testing, Vibration analysis, Environmental, WWTP, Cleanroom balancing, requalifications and DOP testing, HVAC, Electricity, and Gas.) Diagnose mechanical problems and determine how to correct them, checking blueprints, repair manuals, or parts catalogs, as necessary.
- Perform routine maintenance on boilers, such as replacing burners or hoses, installing replacements parts, or reinforcing structural weaknesses to ensure optimal boiler efficiency.
- Manage assigned projects to ensure excellence in cost, schedule, technical delivery and health and safety performance.
- Developed SOWs, permits, proposals, cost estimates, AFEs, execution plans, & schedules for CAPEX & decommissioning projects.
- I provide assistance in the implementation & the daily operations of the CAFM systems
- Analyze asset register information and draw annual maintenance plan on CAFM system.
- Update completed PPM activities in the CAFM systems as required.
- I update of the entire service request into the CAFM system as required.
- Conduct regular service and CAFM system audits.

#### MAINTENANCE ENGINEER

(JUNE2010 - MARCH 2018)

##### AL YAMAMA COMPANY FOR TRADING AND CONTRACTING– SAUDI ARABIA

- I directly responsible for maintenance and operations of entire facility, including the physical building structure, all mechanical equipment-chillers, boilers, water softeners, and refrigeration equipment, Pumps , electrical, HVAC systems, and related equipment in accordance with energy conservation and preventative maintenance programs.
- Ensured adequate spare parts inventory, optimizes & coordinates scheduling of preventive, predictive & corrective maintenance to improve equipment reliability.
- I participated in root cause investigations, evaluate, develops and improves business processes and develops technical rationale for system improvements.
- I responsible for operations and maintenance of Hospital laundry equipments.
- I responsible for operations and Maintenance of STP Plant 300 CMD/DAY & RO Plant capacity 100 KL per day.
- Maintain Fire protection systems, Fire hydrants, fire extinguishers, hose reels, dry risers.
- Perform generator, fire pump, sprinkler/standpipe, FM200& elevator testing for FDNY annual inspection.
- Operations & maintenance of 33 KV / 11 KV / 415 Volt transformer and breakers & Planning and execution of CEIG related annual maintenance.
- I Update completed PPM activities in the CMMS systems as required.
- To upload planned preventive work schedule in CMMS system & update daily information to CMMS database.
- Knowledge in Quality Management standards ISO 9001 & ISO 14002.
- Cooperate and communicate effectively with customers and team members to provide help and technical support.

## Industrial Maintenance

## Erection & Installation

### STRENGTHS



#### Leadership

Strong Team Management



#### Self Motivated

Internal drive to achieve goals



#### Easy Learning

Quick learner about updates



#### Target Oriented

Working towards achieving goals

### CERTIFICATIONS

- Professionally trained & working knowledge in CAFM system.
- SAP PM/MM/CMMS course done on NOVA IMS
- PRIMAVERA P6 latest version course done on Synergy, Trichy
- ETAP Course done on Livewire webinar, Trichy.
- Advanced Diploma in Industrial Automation Engineer.
- AUTOCADD 2010 & AUTOCADD Electrical 2018.
- ISHRAE Membership certificate

### PERSONAL DETAILS

DATE OF BIRTH : 23.12.1985

PASSPORT NO : U1690488

NATIONALITY : INDIAN

MARITAL STATUS : MARRIED

LANGUAGES KNOWN : ENGLISH, ARABIC, TAMIL & HINDI.

PERMANENT ADDRESS:

S/O Mr.U.Mohammed Jaleel, 47/21/1,

Mariyamman Kovil Street, Kallakurichi-606202,

Tamil Nadu, India.

**Joining Period : Immediate Joining**

### DECLARATION

I hereby declare that the above furnished information is true to the best of my knowledge.

M.J.THAJUDEEN MOHAMMED JALEEL

### ACHIEVEMENTS

- Auspiciously developed and implemented preventative maintenance program that saved \$25,000 in repair costs in the first year for HVAC equipment and increasing equipment reliability.
- Well developed high efficiency energy management system that realized a 27% reduction in energy usage.
- Completed a \$1M, Hospital facility expansion project of utility equipments under cost and ahead of schedule.
- Project was completed ahead schedule and achieved a cost saving of 2% with no reportable accident for 9000+hours- man of maintenance work.
- Managed operational and capital projects for multiple onshore and offshore installations including safety critical and subsea operations.
- Successfully completed O&M of 40 and 20 lakh square feet IT Park and malls minimize cost & energy usage.
- Developed project maintenance scopes, estimates, and schedules for a \$1M Miot International Hospital.

### RECENT PROJECTS

Jan2021-Nov 2021 - Estra SEZ (Phase 1 ) porur Ayyapanthangal Chennai ( 45Lakh Square Feet IT Park )

Jan 2020 -Dec 2020 -International Tech Park Taramani Chennai (20 Lakh Sq Feet IT Park & Malls)

May 2018 -Dec 2019 -Miot International hospital 4/112 mount poonamalle road, manapakkam, Chennai -600 089 Tamilnadu

### EQUIPMENT HANDLED

- Stp plant vatech wabag & equipment capacity - 400 KL/day India.
- Etp plant 200 KL /day Sabic Facility Expansion project ksa .
- Sewage Network project Nadhim district riyadh & its equipment capacity - 1000 KL/DAY KSA.
- Ro plant capacity 300 kl/day metito.
- Cooling tower of 560 kw and 15000 btu/hr.
- Air cooled chiller carrier model: aqua force 30 xa capacity 495 tons total power 577 kw.
- Air cooled chiller Trane model RTAC capacity 500 tons.
- AHU Carrier Model Air vision 39 HQM Air flow range 48500 CFM.
- Daikin AHU unit sp 65 8000 m3/hr.
- water colled chiller Model York yd dual capacity 2000 tr.
- Water cooled Chiller Carrier Model: Aqua Edge 19XR 2 Stage Capacity 3600 Tons.
- PACU roof top unit daikin model uatq300c capacity 26 tons.
- PACU zamil model PY036-360 capacity 30 tons.
- PACU roof top unit carrier model 50TJM capacity 15 to 30 tons.
- Carrier VRF outdoor unit 38VMR capacity 28 Tons , vertical AHU 40 vmv 4.5 tons , 4 way cassette ac model40 vmf 4 tons.
- Daikin AHU unit sp 65 8000 m3/hr.
- Butterfly motorized damper valve.
- Fire Damper valve & 4 way cassstet A/c.
- Jet fan ventilation system 1.1 KW AJ8-FTR.
- DRI HRW unit Model HRW-4600 (N) MS 200 (heat recovery wheel ) CFM 16993.
- Groundfos multistage centrifugal pump 100hp.

- Profitably for an average annual project queue value of 3Million Sar via 5 capital projects.
- Delivered STP Plant 1Million sar pipeline project under cost and ahead of schedule.
- Lead cost and performance business planning activities for project queue, resulting in 92% cost performance index and 86% schedule performance index.
- Sufficiently managed and plant engineering of 50 lakh square feet of administrative, technical and manufacturing space over multiple facilities.
- Effectively managed O&M related projects annually. Projects ranged from administrative fit-ups to computer room and manufacturing and equipment facilities.
- Reduced annual utility related expenses by sar250,000. This was accomplished by implementing energy efficient lighting systems, power factor correction systems and energy management systems.
- developed a customized facilities management database which tracked all maintenance functions and expenses.

### OVERSEAS PROJECTS

July 2014 - Mar 2018 - King Faisal Medical Hospital & Research center **P.O.BOX:40047 Jeddah 21149 K.S.A)**

Sept2013 - June2014 - O&M of the Facilities of King Fahad University of Petroleum & Minerals Dhahran

Aug 2012 - Sept 2013 - JGC Arabia Buildings & Residential Vilas project Al Khobar

Aug 2011 - Aug 2012 - Sewage Network project Al Nadhim district Riyadh

June 2010 - July 2011 - Sabic Yansab Facility Expansion project

### EQUIPMENT HANDLED

- Fire Fighting System Sprinkler, Fire Hydrant Pump273 and 350 Cu.m/Hr @11 bar, Jockey Pump 10.8 Cu.m/Hr, Diesel Pump 273 & 350 Cu.m/Hr , smoke detector system , heat detector system.
- Sump Tank capacity 1000 Cu.m
- FM200 Systems and Novec 1230 systems.
- Water pump & its pipeline.
- Compressor Elgi +55 Multistage screw compressor 300 CFM.
- .Compressor GA55+ Atlas copco oil injected screw compressor 300 CFM.
- Thermax boiler Model SM60DH fire tube boiler capacity 20 tons.
- Thermax Boiler Model SM60 DL Fire tube boiler capacity 10 tons.
- Boiler controls & and multistage centrifugal pump groundfos & pand id.
- Weishaupt Burner WMG20 and WMG30 /3 AZM digital combustion chamber.
- Groundfos Pump 40 hp 2 nos, FAT AND SAT test run & Successfully 5000 hrs in service.
- Automatic simplex softener 15 cum/hr.
- DG set - cat model no: 3512c 1500 kva 1750 kw , 60 hz &cummins model TA50G8 1500 kva.
- Lift elevator model: kone u minis pace speed 2.3 m/s height travel 120 mtr.
- Automatic Sliding door Model Ozom -PG-B-STD.
- Hospital laundry equipment.
- UPS System.
- Landscape & Gardening System.
- Samnan vertical multistage centrifugal pump 75 hp.