



Murugesan Madasamy

Versatile, high-energy professional targeting assignments in Project Management on MEP services ; scaling new heights of success with hard work & dedication and leaving a mark of excellence on each step

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Profile Summary:

- Offering over 27 years of extensive experience in HVAC, Electrical (HV, LV) ELV, BMS MEP Services & Project Engineering Operations, installation, Testing & Commissioning & Maintenance of various high-rise buildings & metro projects
- Proficient in MEP design methods, review closeout documentation like O&M, training, conducting test, failure & quality analysis & preventive maintenance; skilled in managing erection, testing & commissioning operations
- Excellence in monitoring quality systems & compliance with preset standards, troubleshooting the problems & maintaining requisite documents to ensure complete in-process quality & improvement capabilities
- Resourceful in creating & interpreting engineering drawings as per pre-defined technical specifications regulating multi-discipline contracts involving electro-mechanical work & ensuring proper coordination of design services & specifications
- Proven capabilities in regulating project activities from conceptualization to execution including technical specifications, stage inspections, progress monitoring, site management and manpower planning
- Enterprising leader with excellent relationship management, analytical and negotiation skills with capabilities in swiftly ramping-up projects in coordination with clients, main contractors, vendors and consultants
- Merit of managing various HVAC/MEP projects such as:
 - Dubai Metro Rail Projects (Red Line & Green Line Depots) & High Rise Buildings
 - Wind Mill Projects & Substations
 - Thermal Power Station
 - Industrials Projects (Anchor Electric Pvt. Ltd by Panasonic, Komatz and Unicharm)
 - Commercial and Residential Projects

Equipment Handled :

- Project managements and maintenance of following machinery & estimating, designing , procuring, variation and budget cost claiming , Shop Drawings and Materials submission reviews on:
 - Electrical System, Fire Alarm System, Central Battery System, Lighting Control System, Lightning Protection and Earthlings System, FM 200 System, Pre-action Control System, Installation of SMATV, CCTV ,Door Access control and Security Systems , Building Management Systems (BMS), HVAC System, Chillers , AHUs , cooling towers, Air compressor, WTP ,ROS, STP , FF , Irrigation & Drainage Systems.

Key Impact Areas:

QA, QC Managements

Project Management

Manpower & Materials Management

Procurement Operations

MEP, ELV and BMS Test & Commissioning

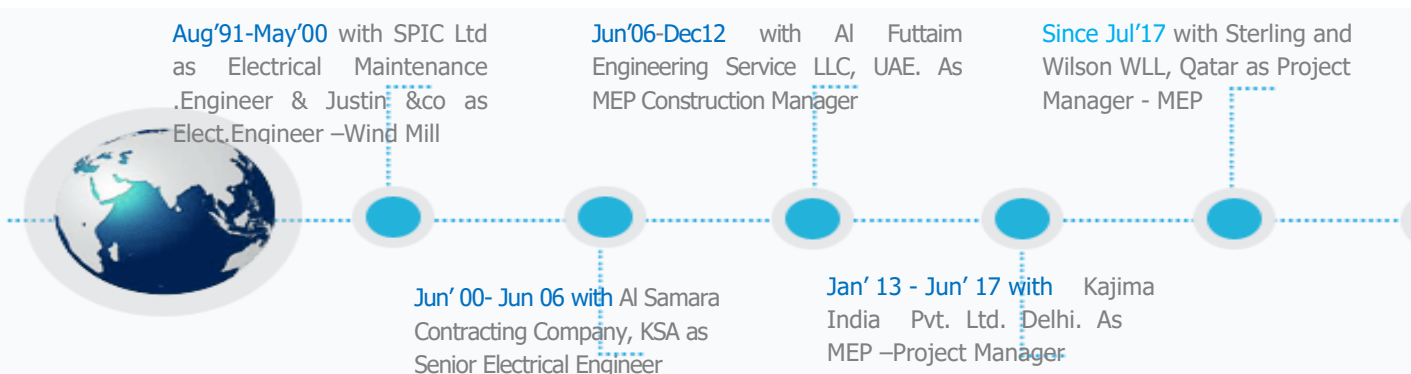
Cross-functional Coordination

QS Management

Facility Management & Maintenance

Safety Operations

Career Timeline:



Education:

- BE (Electrical and Electronics Engineering) from Government College of Engineering, [MK University, Tly-7](#) in 1991
- Associate Member in Institute of Engineering (India)

Current Work Experience:

At Sterling and Wilson Middle East WLL. (Qatar)

Title: Shield 5 (USA Army) Project, Doha metro car park project and commercial buildings project.

Roll: Project Manager – MEP

Duration: Since July'17

Key Result Areas:

- Steering material & manpower planning, procurement, indenting, inventory management of tools & testing instruments for ensuring timely completion of the project & building services as per specifications
- Designing testing and commissioning strategies as per the project functional requirement; working in close coordination with consultant, client, main contractor, vendors & specialist services subcontractors for smooth execution of various projects
- Streamlining the planning, installation, testing & commissioning activities of MEP, HVAC for various projects
- Mentoring & guiding team in reviewing scope of work & setting out procedures for systematic and sequential testing, pre-commissioning/start-up and commissioning activities
- Conducting inspections & adhering to health & safety standard during the testing and commissioning process
- Developing project baselines; monitoring and controlling projects with respect to cost, time overruns and quality compliance to ensure satisfactory execution of projects
- Spearheading the entire gamut of HVAC maintenance like estimation of material quantities, preparing deviation statements of quantities according to the site condition; testing and commissioning of entire Air Conditioning System and HVAC System
- Executing the detailed engineering and bid for electrical distribution system including vendor contract condition, detailed technical specification with data sheet, material, BOQ,(MR/ VDR/ Cost Estimation/Tender Preparation/ Bar Chart and scheduling of project)
- Collaborating with purchase department/ Vendors for requirement of material & delivery Cost estimation, tender preparation; drafting submission , obtaining approval on materials proposal, drawings & so on (RFI/IRs)
- Interfacing with the HO for timing submission of MARs and shop drawings & checking and approving MRQ & following up with purchase / store for delivery on-site, FM for final accounts preparation & QS for raising invoice for work done and details of materials availability at site
- Developing effective working relationships with the clients through regular meetings, counseling & providing recommendations on designing projects and for system up gradation
- Involved procurement management on MEP service materials with reference to approved MAR and project cost

Jun'06- Nov'12 with Al Futtaim Engineering LLC. - UAE

Growth Path:

[Jul'06-May'07 As Senior MEP Engineer](#)

[Jun'07- Dec'12 As MEP – Construction Manager](#)

As Senior MEP- Engineer

- Supervised the entire gamut of testing & commissioning activities in the project right from analyzing tender drawings, creating cost estimations, budget/subcontractor & material management, submission of materials and shop drawings for approval in line with company's vision
- Liaised & coordinated with Quantity Surveyor for Variation, Site Supervisors/ Engineers, Client, Consultant, Management & Safety Officer for HSE operations, quality assurance & control related activities, thereby ensuring smooth site activities
- Monitored project progress closely & prepared weekly site progress report, forecast for the completion of the project within stipulated time
- Managed installation of HV,LV, ELV, BMS, Air Craft Warning Lights , HVAC,AHUs, WTP,STP ,FFS and Utility Services
- Participated in weekly meeting with Consultants and client to assess modification and site progress

As MEP – Construction Manager

- Involved planning the entire project and documenting all jobs that must be completed
- Expenses of each projects efficiently managed throughout the process to ensure for adjustments for unexpected issues or difficulties
- Ensured that the contractors employed for the project are completing project to high quality standard
- Monitored construction process , contract provisions and ensured that all parties involved as satisfied

- Ensured that correct systems are in place to maintain no accidents and the works meets all the legal requirement and building regulations.
- Completed projects within the stipulated time with minimal cost
- Responsibility had to arrange agencies , subcontractors local agency and report to management
- Provided guide line to construction team for timely safe quality construction
- Selected tools materials , equipments and track inventory
- Reviewed work progress on daily basis and coordinate with consultant and client in weekly progress meeting
- Prepared internal and external reports pertaining to job status
- Negotiation on terms of agreements draft contracts and obtained permits and licenses
- Planed ahead to prevent problem and resolve any emerging ones
- Performed oversee and direct construction projects from conception to completion

Highlights:

- Implemented several measures to identify deformities, malfunctions or other abnormalities on LV,ELV ,BMS ,AHUs, HVAC, ROS,STP, WTP, Utility service parts / components / products
- Ensured successful completion of the prestigious Dubai Metro projects within approved budget of AED xxxx Million by continuous monitoring of budget movement and optimized utilization, as Project Lead
- Initiated successful development and implementation of HSE mechanism as well as the cost reduction on MEP activities related to project operation systems along with design selection & quality control activities
- Investigated the non compliance events with proper corrective and preventive measures such as Daily Tool Box Talks for stopping its recurrence
- Successfully conducted troubleshooting exercises for smooth operation that helped productivity achievements

Previous Experience:

Jan'13-Jun'17 with Kajima India Pvt. Ltd. India – as Project Manager – MEP

Jul'06-Dec'12 with Al Futtaim Engineering LLC , UAE – as MEP Construction Manager

Jun'00-Jun'06 with Al Samara Contracting Company , KSA – as Senior Electrical Engineer

July'97-May'00 with Southern Petro Chemical Industry Limited, India – as Electrical Maintenance Engr.

Aug'91-July'97 with Justin & Company, India - as Electrical Engineer

IT Skills:

Tools: Microsoft Office (Word/Excel/PowerPoint)

Technical: AutoCAD

Training Certificates:

- DNV's Training Program – Construction Safety Course
- March 2013
- UAE
- Certificate of Professional Development Program – Beyond constitutional Requirements in Electrical Safety
- September 2015
- India
- Integrated Management System(IMS) - ISO 9001:2015; ISO 14001:2015; ISO 45001:2018 Standards
- March 2019
- Qatar

Major Projects:

At Kajima India Pvt. Ltd. (MNC)- India

Title: Anchor Electrical by Panasonic Factory project, Unicharm project , Komatz project and SMBC Projects

Role: Project Manager – MEP

Duration: 2013-2017

At Al Futtaim Engineering LLC - Dubai (UAE)

Title: Dubai Metro Rail Projects (Red Line & Green Line Depots) & High Rise Buildings (Hilton Hotel and KIP Development)
Role: Senior MEP Engineer and MEP – Construction Manager
Duration: 2006-2012

At Al Samara Contracting Company- Saudi Arabia (KSA)

Title: Building Constructions - Hotel , Hospital and Sports Complex Projects
Role: Senior Electrical Engineer
Duration: 2000 to 2006

At Star Electricals contacting company - Tuticorin (India)

Title: Southern Petro chemical Industry Limited - Ammonia , Urea plants and water & substation plants
Role: Maintenance Engineer – Contract Basis
Duration: 1997 to 2000

At Justin & Company - Coimbatore (India)

Title: Wind Mill & Sub Station Projects - 250-600KW Wind Mills & 66KV,33KV,11KV/430V SS
Role: Electrical Engineer
Duration:1991 to 1997

Personal Details:

Date of Birth: 21st December 1969
Languages Known: [English, Hindi, Tamil , Malayalam and Arabic](#)
Marital Status: Married
No. of Dependents: [xx](#)
Passport No./Expiry: [R0990100 / 25th May 2027](#)
Driving License: [Yes](#)
Visa & Expiry: [Need Sponsor](#)
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(Refer annexure for previous projects-Dubai Metro)

Annexure:

Title: Dubai Metro
Description:

The Dubai municipality awarded a contract to the Dubai Rapid Link (DURL) consortium led by Mitsubishi Heavy Industries, including Obayashi, Kajima and Yapi Merkezi to build a fully automated driverless metro network; Dubai metro network will comprise two lines red and green line; red line will have 29 stations, 2 Depots including 24 elevated, 4 underground and one at a ground level; this line is 52.1 km. long including 4.7 km. underground; green line will have 18 stations, including 12 elevated and 6 underground; green line is 22.5 km. long including 7.9 km. underground; Red & Green Line Depots (Rashidiya and Qusais Depot).