

# CURRICULUM-VITAE

Name: Pandi Pathar Vellai

Position to applied: Senior Electrical Engineer Construction & Maintenance

System involved Electrical MV, LV and ELV

Nationality: India

Joining Date: immediately.

Driving License: Valid UAE light vehicle

Contact UAE No: 0555360022

Contact India No: 00919843964518

Email Address: [pandijothi56@yahoo.com](mailto:pandijothi56@yahoo.com)



## **CAREER OBJECTIVE**

I desire to join as head of Senior Electrical engineer in Company that has vision for growth and advancement. I have extensive years of experience and knowledge at senior capacities, which I believe would be an asset to an organization that aims for progress. In the long term, I aim to reach my full potential and further my growth to with your team that will factor in the firm's advancement.

## **SKILLS**

- A multi – disciplined MEP Electrical Engineer with 15+ years of UAE experience in Utility power distribution, solar power grid roof top, MEP construction Project & Maintenance Management.
- Expertise in handling complete project management entailing electric project operations, Contract administration, Cost management, Safety. Quality assurance, entailing planning, resource utilization and manpower management.
- Proven ability in swift ramp of the projects within scheduled time, cost & quality parameters. Managed a wide spectrum of machinery, equipment & utilities; while curtailing the operational costs & expenses.
- Managed a wide range Property maintenance (MEP, Utility Energy) waste treatment System and Securities, life safe system.
- Deft at construction of infrastructure projects such as Township utilities, High rise buildings , multiple types of villas LV, MV distribution, Etisalat DATA center, Power generating synchronization satiation, DEWA ,ADDC MV LV distribution , MV chiller plant, Airport project MV, Gas turban plant , Pump station, MV LV generator plant and 32/11KV substation MV SWITCH GEAR , solar power plant
- An effective communicator with excellent relationship management skills and strong analytical, problem solving.

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- Worked Conversant with various International Standards irrelevant of IEC, BS, NFPA, and local Authorities Regulation of SEWA, DEWA, ADDC, ETISALAT, DU and ISI,TNEB

## **CURRENT COMPANY AND POSITION**

M/s AE ARMA Electopanc.LLC

Electrical Site manager Construction and maintenance management.

JAN 2011 - Present

Dubai, UAE

## **KEY ACCOUNTABILITY AS A SENIOR ELECTRICAL ENGINEER**

- The Key responsibility includes commitment to ensure timely completion of project within approved budgets on cost, resources without compromising on Quality & Safety.
- Attending regular meetings (on work progress, coordination, design, etc.) with Client, Consultant and Sub-contractor to discuss key issues related to the project and take effective corrective actions.
- Engineering lead to MV, LV, ELV and low current System.
- Monitoring project budgets and schedule and oversee performance to ensure on time, quality and on budget project execution. Coordinate with the design team on all aspects of the design, activities & safety records.
- Ensure all technical aspects of the projects are strictly complied with and in conformity with Conditions of Contract, Particular Specifications, General Specifications, and Contract Drawings & BOQ.
- Ensure that the health and safety requirements are provided and that they comply with authorities' regulations DEWA &ADDC. Provides guidance, managerial, technical support to complete project team.
- Analyze drawings, specifications and statements of work in the preparation of activity networks for project resource planning and scheduling.
- Prepare program master schedule and performs critical path analysis. Prepare plans and schedules, status reports and performance evaluation.
- Provide program planning capabilities including interfaces and risks analysis. Establish and monitor program and project controls KPI's. Ensure program policies and procedures are implemented accordingly.
- Develop Action and Recovery plans to support program delivery on time.

## **Commissioning and Maintenance management.**

- Establish and coordinate the maintenance and safety procedures, service schedule, and supply of materials required to maintain Electrical ,mechanical machines and equipment in the prescribed condition,
- Prepared design modifications to eliminate system malfunctions,
- Participates in walk downs to supervise commissioning and testing for all major electrical mechanical ,ELV systems and oversees daily to creation of punch lists and liaised with Sub contractors Specialized work to ensure workforce is trained in the proper operation of the of the systems,

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- Leads engineers and manage the maintenance team of the service providers with view to develop business and people to meet internal KPIs and exceed expectations of end-users and ensures quality of work to the satisfaction of end-users with view to optimally enhance the comfort, safety and energy-efficiency for property.
- Ensured personnel implements operating procedures to resolve system malfunctions.
- Providing technical information; investigate equipment failures and difficulties to diagnose faulty operation, and make recommendations to maintenance crew.
- Designs maintenance strategies, procedures and methods for the MEP Systems. Organizes, prioritize and assign Work Orders to workforce using computerized maintenance management system..
- In charge of monitoring and controlling maintenance costs for Electrical, Mechanical Systems, managing the budget and reporting on any monthly variation between actual and budget.
- Contributes to the creation of Technical Services Department's Work Procedures, preparing all those related to equipment/systems related to his field based on Health and Safety procedures, good engineering practices, and manufacturer's O&M manuals.
- Initiating and adopting Energy Conservation measures to curb the facility power and water consumption
- Maintains and improve knowledge of power system apparatus, protective devices and applicable products.
- Working with other professionals, within and outside the engineering specialism

## **Maintenance Knowledge in Electrical, ELV System,**

- Carrying out protection testing to various relays.
- Carrying out testing including thermal imaging on all HV and LV systems.
- Periodic testing of LV generator Synchronize systems.
- Periodic to MDB, SMDB, ATS, MCC and UPS, AC DC rectifier and atteries maintenance.
- Bus Bar maintenance and defective bus bar replacement.
- Periodic maintenance to lighting control systems.  
Checking and operating. ELCBs, MCB, MCCB, ACB, Vacuum Circuit Breakers,
- Periodic maintenance to Fire alarm, public addressable and central battery system.
- Attending Emergency power failure problem solved and trouble shooter.
- Event show light and AV system arrangement.
- Periodic to maintenance essential power system of UPS , generator power equipment,
- Managed and follow upped building Network system of IDF, MDF, BMS FTR, DATA and SECURITY SERVER room.

## **Maintenance Knowledge in Mechanical System,**

- Periodic maintenance to Firefighting, sump pump, and Booster, chilled water pump.
- Periodic maintenance to Main water flow Valve and over flow valve function.
- Periodic Maintenance cooling modulation and Motorized valve.
- Periodic maintenance to water heater and Heat Exchanger.

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- Periodic maintenance to AHU, FAHU and FCU Air compressor, pumps filters and strainer. Periodic maintenance to fire protection system of smoke exhaust Fan and stair pressurization fan operating.
- Periodic Maintenances building roof rain water cutter and water proofing.
- HAVC, DX AND Split AC. installation commissioning and maintaining.
- Maintenance District cooling Tower Chiller plant and ETS plant
- Attending unexpected water leakages problem trouble shooter.
- Cooling management installation and maintenance cold storage room and chiller plant
- Kitchen equipment maintenance and operation, freezer oven and grease trapping.

### **Professional History of Major projects Handled in UAE from current employer**

Ongoing Project:	<b>DUBAI HILL MALL PROJECT since 2018.</b>
Client:	EMAAR
Design Consultant:	ARCADES.
Main Contractor:	Alec building Cont. LLC.
<b><u>Responsibility:</u></b> Involved to overall project installation of Bus bar, Generators sync system, MDBs, DEWA MV system, roof top solar grid 40MW UPS ELV and Mechanical plant room's equipment, in orderly Engineering review and procurements.in	
<b>Project:</b>	<b>DUBAI AIRPORT EXTENSTION DWC 2016-2018</b>
Client:	DUBAI AIRPORT AUTHORITY
Consultant:	Dar Al Handasha Share and Partners
Main Contractor:	Alec building Cont. LLC.
<b><u>Responsibility:</u></b> Involved MV LV, power distribution 80 megawatt 132/ 11KV Switchgear, transformer installation relevant 14 substation RMU underground cabling installation and commissioning. Over all MEP system DLP maintenance and coordinated to client FM team.	
<b>Project:</b>	<b>DUBAI LEGOLAND THEME PARK 2014 -2016.</b>
Client:	DUBAI PARK AND RESORT
Project Manager:	SAMSUNG, HILL INTERNATIONAL
Consultant:	KLINC
Main Contractor:	BE Six Building Contractor LLC.
<b><u>Responsibility:</u></b> Involved overall Electrical and ELV system project engineering, procurement, construction, commissioning, and interaction consultant client representative and DEWA, DCD undertaken to whole project MEP DLP maintenance handing over and takeover process.	
<b>Project:</b>	<b>GF, 4B+40 FLR 5 STAR HOTEL IN ABU DHABI 2013-2014</b>
Client:	EMROC
Consultant:	Surbana Singapore
Main Contractor:	Nurol building contractor LLC Abu Dhabi.

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**Responsibility:** Involved MEP, LV MV power distribution system installing, 80 megawatt 11KV Switchgear, 9 numbers of transformers, HVAC 11KV MCC installation Generator ATS, Relevant cable laying termination and Chiller plant, cooling tower installation ,commissioning maintenance

**Project: 856 No's Villas in Jumierah Village Zone-1, 2011-2013**

Client: Nakheel Properties

Consultant: Dar Al Handasha share and Partners

Main Contractor: Nurol building contractor LLC, Dubai

**Responsibility** Involved overall MEP system project engineering, procurement, construction and commissioning, interaction with consultant client representative and DEWA, undertaken to overall project MEP system handing over takeover processed and DLP closeout 856 villas

## **PREVIOUS EMPLOYMENT HISTRY CONCORDIA FACILITY MANAGEMENT**

Job role: MEP General maintenance engineer

Client: DMCC ,IN DUBAI JLT

**Responsibility:** Maintained commercial & Residential Buildings, Supervised building maintenance team, Cleaning staffs & Security Guards, Cooperated with sub-contractors (Projects- JLD GOLD AND SILVER TOWER and DIMAOND TOWER) · Supervise custodial staff, Log, store and retrieve all financial documents and records, I am Involved with building security and the employee's safety. · Control the staffs look like AC technicians, Electricians, Plumbers, Fire fitters, Masons, Carpenters, Helpers, Cleaners & Security guards.

·Responsible for general maintenance of plumbing, , electrical & HVAC equipment,  
Responsible for planning preventive maintenance, Reactive maintenance for various projects

## **ETA Power project division L.L.C Dubai, (October 1999 – 2003)**

**Job role:** Electrical Site construction and maintenance Engineer.

### **Projects involved,**

1. AL BARAKA 33KV/11KV 80MW Substation project.
2. ENOC fuel filling station.in Al Qusais.
3. Port Saeed Etisalat Data center in Dubai.
4. 11 KV Transformer Renovation and development to exchange power systems in Al Aweer Etisalat main Store.
5. Jabel Ali Etisalat satellite control Earth station.
6. Diera Dubai Etisalat Main exchange Data center.

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## **Academic credentials.**

- Bachelor of Electrical & Electronic Engineering passed from Dr.BR. Ambedkar University Agra India (Attested)
- Diploma in Electrical Engineering Passed from JRN University in Chennai 1996(attested).
- Higher secondary school Passed from State Board, of Chennai. In 1994.

## **Course certification and IT Skills**

- PROJECT MANAGEMENT PROVISIONAL (PMP) TRAINING PROGRAM from Dubai Chicago management institute on August 2011 October.
- TNEB Supervisory 'C' competency certificate 1996.
- AUTO CAD 2D drafting course in Cad center.
- Quantity Survey training attended ETA stare coaching center.
- MS Office, PowerPoint presentation and Microsoft team creator.

## **Additional Informations**

- Name : Pandi
- Date of Birth: 05 the- June 1974
- Marital Status: Married
- Driving License: Valid UAE light vehicle, Indian light vehicle.
- Nationality: Indian
- Languages: English, Tamil Hindi, Malayalam

I hereby certify that the above mentioned are true and correct to the best of my knowledge and belief.

Sincerely  
PANDI