

# Thomas John

MEP Engineer

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- Profile** Qualified Diploma in Electrical & Electronics Engineering with 18 years of experience in UAE for Electrical Designing, Estimation, Project supervision, Production Support and Material Management. Capable to lead all produce all types of Electrical drawings, Cable routings, SLD, layouts, Schematics & Data centre management.
- Personality** A dedicated team leader, who can bring to your business: additional professionalism, passion, productive ideas, enthusiasm and out of the box thinking packed with practical work experience. Also a trustworthy colleague capable of dealing with constant challenges and leading change.

## Education

**Diploma in Electrical Engineering** - First Class with honours **73%** **2000-2003**

Nural Islam Collage Of Engineering, Anna University,  
Chennai, India

- **Design Software** : AutoCAD 2018, PDMS, ETAP, Marine Drafting, Naviswork3D Model Review  
PC Schematic and CGLux / Dialux for Lux level Calculations.
- **System Software** : Proficient in M S Office (Word, Excel and Power point), M.S. Projects
- **Software Skills & Standards** : Working Knowledge of NEC, CEC, BS and IEC Standards and International Codes. Good communication skills for both verbally and in writing.

## Career Progression

<b>MEP Engineer</b> Green Tech GM LLC, Abudhabi, UAE	<b>Oct 2nd 2019 – Till</b>
<b>Project Engineer</b> Laith Electromechanical Abudhabi	<b>Feb 22 2018 – Sept 20<sup>th</sup> 2019</b>
<b>E&amp;I Engineer</b> Arab Heavy Industries, Ajman, UAE	<b>May20 2016 – Jan. 22<sup>nd</sup> 2018</b>
<b>Electrical Designer</b> Lamprell Energy Ltd, Dubai, UAE	<b>25<sup>th</sup> Feb 2011 – 4<sup>th</sup> May 2016</b>
<b>Electrical Engineer</b> Diplomat Engineering LLC, Sharjah, UAE	<b>26<sup>th</sup> April 2005 – 25 Feb 2011</b>
<b>Electrical Designer</b> Konstelec Engineers Pvt Ltd, Mumbai, India	<b>24<sup>th</sup> March 2003 – 22<sup>nd</sup> March 2005</b>

## Proven Job Role

- MEP Engineer**
- Preparation of Load schedule, Cable Sizing, Selection of Breaker's/Incomers, Voltage drop calculation, Capacitor Bank Selection according to the requirement of the authorities. Site survey, making site reports to client.
  - Preparation of all types of Electrical drawings, Cable routings, SLD, layouts & Schematics, design drawing checking, Material take off & Capable to do Offshore survey and reporting.
  - Preparation of all project related design, engineering documents (material submittal, method of statement, functional design specification)..
  - Preparation of all project related design, engineering documents (material submittal, method of statement, functional design specification).
  - Taking quantities for all electrical services, sending enquires & follow up for getting latest quotation from suppliers to estimate the projects.
  - Co-ordination with clients, consultants, contractors, vendors.
  - Provide technical solution for design related and site related works.
  - preparing quotations, consult with engineers, Interior designers, managing logistics

- Planning and coordinating at the site to complete the work on schedule.
- Supervise the site installation works & coordinate with vendor to complete the work.
- Carried out installation, supports commissioning of electrical lighting, power and fire alarm, extra low voltage systems, bus duct, cable tray & trunking.
- Street Light Design & Cable Laying for HV/LV - Infrastructure Projects.

#### **Design Skills & Working Knowledge**

- Preparation of LV and MV electrical distribution systems facilities and plans by using industry standards and specifications.
- Preparation of system calculations and studies for electrical power systems – load flow, voltage drop, motor starting and short circuit studies. cable sizes, cable tray fill/loading, HVAC requirement, UPS loads.
- Review and check all assigned project electrical installation drawings for compliance with all company and project instructions (Single line diagrams, motor schematics, electrical equipment location drawings, hazardous area drawings, installation details, lighting schematics, wiring diagrams, ladder tray layouts, earthing layouts, lighting layouts, etc.) for installation requirements.
- Develop Single Line Diagrams, Load Schedule documents for electrical distribution systems, lighting, cable and tray etc.

#### **Projects:**

**New York University 2018-Till date**

#### **Operational and Life cycle Projects**

**Operational Project Details:** - Fitout works includes MEP and civil work for class room/ labs conversions, Additional MEP services requirement.

#### **Life cycle Project Details: -**

Replacement and refurbishment of MEP services like,

- Replacement of DRV's.
- Replacement of CHW/ Portable Water Isolation valves.
- FCU up gradation as per additional load requirement.
- CAV, VAV Installation.
- Drainage Line issues rectification.
- Plumbing line leak arresting.
- Electrical Distribution Board up gradation (MCB to RCBO).

#### **Projects:**

**Zayed University 2018-Till date**

#### **Operational and Life cycle Projects**

**Operational Project Details:** - Fitout works includes MEP and civil works for class room/ labs conversions.

#### **Life cycle Project Details: -**

Replacement and refurbishment of MEP services like

- Replacement of CHW Line insulation
- CHW/ Portable water line Isolating valves replacement.
- Replacement of street light cables, damaged lights.
- Replacement of Ventilation ducts.
- New Manhole fabrication for additional Isolation valve installation.
- Refurbishment of circulation pump/pump fittings.
- Replacement of Circulation/ booster pumps.
- FCU units, Ducting, Plumbing line leak arresting.
- Electrical Distribution Board up gradation.
- Capacitor Bank replacement.
- ATS Panel replacement.

#### **Projects:**

**National rehabilitation centre -  
2020 Feb to 2020 March**

#### **Isolation Room for Airborne Disease**

**Project Details:** - Conversion of Patient room to Isolation Room as per HAAD Standards. Involving MEP and civil modifications.

#### **Projects:**

**Burjeel Medical City Abudhabi -  
2019 Feb to 2021 March**

#### **Isolation Room for Airborne Disease**

**Project Details:** - Conversion of Patient room to Isolation Room as per HAAD Standards. Involving MEP and civil modifications..72Nos

### **Response Plus Medical Staff Office (RPM)**

**Project Details:** Fit out works with all MEP & low current services for 32 offices & 74 Work Stations as per ADDC & HAAD Standard.

## **Projects – Oil & Gas 2011-2018**

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### **Arab Heavy Industries PJC**

**Project Name:** - Mtcc Marine Control centre (Kuwait Navy)  
Accommodation Barge ( May 2016 to Jan 2018 )

### **Lamprell Energy LTD**

#### **Offshore and onshore rigs**

**Project Name:** - Fed. Oslen Wind carrier Offshore Installation vessel (Norway)  
Self elevating wind turbine installation vessel

1. Wind Carrier Self Propelled Jack Up Unit 1 - Fred Olsen
2. Wind Carrier Self Propelled Jack Up Unit 2 - Fred Olsen
3. Seajacks Hydra wind turbine installation offshore vessel
4. Seajacks Zeratan wind turbine installation offshore vessel
5. Shelf drilling company Rig 116E
6. Jindal pioneer Rig 116E
7. Great Ship- Dev- Drilling 116e
8. NDC Abudhabi NDC7,8,9,10

#### **Brownfield projects**

1. NDC 1 & 2 Referb for Engine Room and Accommodation
2. Jindal 3&4 Accommodation Deck Referb

#### **Self propelled jack-up Life boats**

9. Client: Seajacks International Ltd, Projects: Seajacks zaratan, Seajacks Hydra

#### **Offshore fixed structure**

Client: Jasmine ConocoPhillips - platforms, control buildings and process modules.

### **DP2 Jack up vessels (NG9000C-HPE & NG2500X)**

- Construction and mechanical completion of self-propelling DP2 Jack up vessel Bold tern for Fred Olsen (<http://www.windcarrier.com/bold-tern>)
- Construction and mechanical completion of self-propelling DP2 Jack up vessel Brave tern for Fred Olsen (<http://www.windcarrier.com/bold-tern>)
- Construction and mechanical completion of self-propelling DP2 Jack up vessel Hydra for seajack (<http://www.seajacks.com>)

## **MEP Projects – 2005 - 2011**

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### **Diplomat Engineering LLC**

#### **Designing & Drafting**

- Detail Design of Lighting, Small power, Equipment power with refer from Data sheets and specification, preparation of DB load schedule, cable sizing incoming breaker selection, cable selection & voltage drop calculation consultant/client requirement.
- Co-ordinate with ELV systems like Telephone, Data, CCTV, Fire Alarm, Voice Systems and containment for miscellaneous services.
- Checking Load schedule, Single line diagrams, Voltage drop calculation according to the requirement of the authorities.
- Good experience in Commercial, Industrial **Design Built** & Turnkey projects.
- Design & develop the project to obtain building permit (in-house / subcontractor)
- Good Knowledge of regulations of the authorities (Electrical, Telephone & Low Current Systems).
- Getting the approval of the Design drawing and Shop drawings from the Consultant / Client / Authority.

#### **Co-ordination**

- Review the tender documents, correspondence & raise RFI to sales department for clarification, if any.
- Prepare drawings (with draftsman) & documents for applying temporary power, water & telephone for the site works & site Offices.
- Compile & float tender documents to get pricing from the MEP contractors
- Estimate the Electrical and Low voltage works for internal cost control & evaluate the Electrical contractors offer.
- Prepare RFI to the consultant / client to get detailing
- Identify deviation from the specification / requirement (estimate the cost savings to the contractor if that material gets approved)
- Assuring quality of works

- Taking approval of MEP subcontractor prior to casting concrete / floor slab / columns / interlock / landscaping & irrigation works etc
- Providing updated planned program to subcontractors (progress plans, logistics plan etc)

#### **MEP Site Engineer**

- Responsible for Power, lighting containment and low current system works.
- Responsible for installation work of Fire fighting works like fire pump, sprinklers, smoke detectors, heat detectors, break glasses etc.
- Monitoring day to day site installation operations and solving problems during installation of works.
- Recording billing of materials, material used, material purchased and sending reports to Main contractor about daily, weekly and monthly progress.
- Coordinate with consultant and ensuring him about the daily work progress according to standard and as per approved design.

#### **Calculations**

- Calculations for Electrical Services according to the authority requirements
- Electrical Load Schedule, Lux level using software, Voltage Drop, Capacitor Bank, Generator Selection
- Selection of MCB, MCCB, ACB & Isolators

#### **Close Out**

- Preparation of **Variation** for MEP Services.
- Preparation of Material Submittals
- Preparation of O&M manuals.

Review guarantee certificates, as built drawings, O & M manuals etc.

#### **DIPLOMAT ENGINEERING LLC SHARJAH**

##### **Industrial / Ware House Projects :**

- Electrical works, PWC Warehouse in Dubai Investment Park, Dubai.
- ASIA BOLT INDUSTRIES HOUSE AT DIP
- TRADE ARABIA WAREHOUSE JAFZA

##### **Commercial/Residential Projects:**

- Carrefour at Dubai City Centre
- 28Floor Twin tower for Emirates Staff Accommodation - Al Barsha
- Home Center @ Sharjah Sahara center
- Center Point @ Mall of Emirates, Oasis Center Dubai
- Carrefour at Mirdiff City Centre
- Carrefour at Abudhabi Albawath Al Sharaq City Centre
- Carrefour at Abudhabi Marina Mall
- Carrefour at Alain
- Carrefour at Dubai Mall
- Carrefour at Century Mall Dubai

#### **KONSTELEC ENGINEERS PVT LTD**

##### **Commercial/Residential Projects:**

##### **Design & Drafting**

- Detail Design & Engineering for Commercial Building in Mumbai-India.  
Toyo Engineering India Ltd (Client)
- Ink offset factory in Gujarat with Sakata Inx (India) Ltd.
- Design & Drafting works for Refinery at kandla in Gujarat with Param Industries Ltd (Client).
- Tyre factory in Pune, Machelin Apollo Tyre Ltd (Client), Gherzi Eastern Ltd (Main Consultant)
- **Coen Barath Ltd**, Mumbai piping and instrumentation for M/s **Hyper them**, Mumbai,

##### **Additional Qualification**

- Diploma in AutoCAD 2018
- CG Lux, Dialux lighting designing software.
- Knowledge in ETAP
- Implant Training in Kerala State Electricity Board Kerala India.
- Industrial Training Centre Certificate in Electrical

##### **Personal Details**

Nationality : Indian

Date of Birth : 30<sup>th</sup> May 1979

Marital Status : Married

Passport Number : L-6684435

Language Known : English, Hindi, Tamil & Malayalam.

**Driving Licence : Valid UAE Licence**