RAMASAMY PRABHAKARAN

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**Singapore Status :Permanent Residen**t

# Objective

“To pursue a challenging career where I can maximize my multilayer management and business development skills, quality assurance and training experiences to make a positive organizational contribution”

# Experience Summary

* Inspect and Installation of all hazardous area E&I Equipment as per IEC standards
* Basic and detailed engineering, testing, installation, Construction supervision, and start-up activities
* Commissioning Procedure development
* Fire & gas system testing
* DCS, PLC and ESD logic testing
* Involved in installation and commissioning of electrical and instruments.
* Prepared project related documents.
* Communication skills and Onsite Coordination skills.
* Monitored the performance of Equipment’s using production stream.
* Prepared regular maintenance and service schedules.
* Knowledge in Instrument and hydraulic Tubing installation, testing and inspection
* Attend break down & trouble shooting of plant equipment
* Boiler and flare system maintenance.

**Other Skills/Certifications**

* Certified course in **Comp Ex** - Hazardous Areas Comp Ex Competence course (ATEX) **Certificate no: 36990**
* Certified course in RAIMTI **4761 Australian standards as well as IEC standards for Electrical Equipment in Hazardous Area Installations**.
* Certified course in **IEC Ex 001** – Principles of protection in explosive atmospheres.(**IEC Ex CP BAS14.0010**)(Exp)
* Well verse in use of Arnlea software for hazardous area inspection (Ecom Instruments)
* Well verse in use of Transform software for hazardous area inspection
* Certified course in Oil Petro Chemical Safety Supervisor Course (**OPCSS – Supervisor**).
* Certified course in Ship Yard Safety Supervisor Course (**SSSC – Supervisor**).
* Certified course in SIMATIC 400 (Programming) SIEMENS PLC from Siemens Singapore.
* Well verse in use of calibration/Troubleshooting hardware: HART Communicator (475), TMRSC300E, Vega MINI Hart & Enraf PET
* Good exposure to PLC/DCS/SCADA software: ABB Freelance 2000, Yokogawa blue star, DigiTool diagnostics for DCS, Wounderware In touch, Allan Bradley micrologix/1200 & Modicon PLC, SIEMENS SIMATIC 400 (Programming)
* Non – Destructive testing ASNT Level II Certification in Radiographic Testing, Ultrasonic Testing, Liquid Penetrant Testing Magnetic Particle Testing from American Society
* **BOSIET** Basic offshore safety induction & Emergency training including additional Norwegian oil and gas modules and travel safely by boat (OPITO Approved Coerce code :5707) Certificate no: 00645707300414200216. Exp: 29-04-18

**Project Involved**

* **Dron and Dickson pte ltd** [July2016- July 2017]

Position : Ex Inspector

Client : BWO

Project : Catcher

Location : Keppel ship Yard, Singapore

* **Atec Moxi pte ltd** [Dec2015- June 2016]

Position : Ex Inspector

Client : MODEC

Project : MODEC TEN

Location : JSL, Mega Yard, Singapore, Ghana

* **Specer Ogden pte ltd** [Sep2015- Nov2015]

Position : Ex Inspector

Client : Global Process System

Project : MODECTEN

Location : JSL, Singapore

* **Atec Moxi pte ltd** [Aug 2015- Sep 2015]

Position : Ex Inspector

Client : Sea drill

Project : West Rigel

Location : JSL, Singapore

* **Asia Pac pte ltd** [June 2015- July 2015]

Position : E&I Inspector(Telecom)

Client : SBM Offshore

Project : CDM

Location : China

* **Awargo pte ltd** [April 2015- June-2015]

Position : Ex Inspector(Lead)

Client : BW Offshore

Project : AZURITE

Location : Indonesia (Offshore)

* **Atec Moxi pte ltd** [Sept 2014- Mar 2015]

Position : E&I Inspector

Client : Daewoo international

Project : SHWE & OGT (Offshore)

Location : Myanmar

* **System Engineering pte ltd** [April 2014- Aug 2014]

Position : E&I Engineer

Client : Novenco

Project : Maersk Drilling

Location : Keppel Fels – Singapore

* **Awargo Pte Ltd** [Sept 2013- April 2014]

Position : Ex Inspector

Client : Bumi Armada

Project : Armada Claire

Location : Keppel Shipyard Tuas – Singapore

* **Asia Pac Commissioning pte ltd** [July 2013- Aug 2013]

Position : E&I Tech

Project : **Zwatica**

Location : SMOE – Singapore

* **Siemens** [March 2013-July 2013]

Position : E&I Inspector

Client : SHELL

Project : BSP Champion 7 Power Generation

Location : **Dynamac west yard**

* **Stepan Asia Pte Ltd** [Apr 2011 - Feb 2013]

Position: E&I Specialist.

Project : SJIS Phase 1

Location: Jurong Shipyard.

* **Oil tanking Odfjell Singapore Terminals Pte Ltd** [Nov 2007- Mar 2011]

Position : E &I Engineer

Project : Chem 5 and 6

Location: Jurong Island.

* **G & W pte Ltd., Singapore**  [Oct 2004- Oct 2006]

Position : E&I Supervisor

Location: Kaki Bukit, Singapore.

* **Madras Switchgears and flameproof equipment’s (P) Ltd** [Jun 1999- Sep 2004]

Position : E&I Supervisor

Location: Chennai, India

# Professional Experience

Field of Management Activity:

* Planning, Scheduling & monitoring of activities on daily, weekly and monthly basis and preparation of the reports.
* Planning & coordinating with the contractor, consultants and client for timely completion of all activities.
* Coordinating with the contractors, consultants and client for any variation as per the drawing and specifications.

Jobs Responsibilities of Ex Inspector and E&I Inspector

* Inspect hazardous areas, where classified as zones, class/division, groups/subgroups and its requirements of equipment protection levels by ATEX category, AS/NZS and IEC EPL. Inspection of protection methods for electrical equipment’s, and intrinsically safe installations as entity concept, according to area classification and its integrity after installation, at different stages like initial, commissioning and periodic maintenance.
* Coordinate with the construction and mechanical completion, safety and other concerned departments for QA/QC inspection activities. Responsible for punch list clearing to ensure that the installation of Electrical instruments are complete and accepted by the client. Responsible for the preparation of all inspection report prior for the acceptance of the client. Daily monitoring the testing and quality inspection activity, Tubing visual inspection and pressure test based on project specification.

**Jobs Responsibilities of Electrical and Instrumentation**

* Experience in the field of Electrical & Instrumentation Control related to the field of basic and detailed engineering, procurement, testing, installation, Construction supervision, and start-up in the major Oil rigs & Platforms, FPSO, marine and topside Strong knowledge in Electrical &Instrumentation Installation and commissioning.
* knowledge in Instrument and hydraulic tubing preparation, Tube handling, Visual Inspection of tubing, Instrument tubing for hazardous gas service, Tube bending, Fitting preparations, Tubing Installation , Supporting of tubing , verify with tubing data Chart
* To review E&I engineering documents which includes Instrument/Electrical Cable Schedule/Cable Block diagram, Instrument data sheets, IO Schedule, Alarm Schedule, Cause & Effect Matrix, System Cabinet drawings, Marshaling Cabinet drawings, Installation procedures, Material data records, Interconnection drawings, Equipment specifications, FAT Procedures
* Installation, testing and pre commissioning & commissioning of the Instrumentation equipment in according to Instrument specification.
* Safety Equipment’s Smoke detectors –MCP, flame detectors-open path Gas Detectors.
* Installation, Calibration and Testing of all type of field instruments like Pressure Transmitters, Temperature Transmitters, Temperature Gauges, Flow Transmitters, Flow switches, Pressure switches, Level Transmitters, Level switches and sum art I/P converters, Servo motor control valves, Solenoid operated valves, etc.
* Loop checking from field Fieldbus Devices to the monitoring device and simulation through Hart Communicator 475 for DCS system.
* Carry out all Electrical Commissioning works on all electrical equipment such as MV/LV Switchgear, Emergency diesel generator, STEAM Turbine Generators, Compression Gas Turbines, Water Injection, UPS System, Navigational Aids System, Lighting System and Small Power Distribution Boards.
* Top side electrical powers system for process module inspection and testing
* Maintenance and calibration of the control valves (Pneumatic,, MOV, ..... )
* Experienced in flow meters configuring (electromagnetic, orifice plate, ultrasonic, turbine) of ABB, Rosemount, Krohne, GF+,.....
* Review of control philosophy, P&I diagrams, cause & effect diagrams, instruments list, flow chart
* PAGA systems, CCTV systems, Entertainment systems, Door Access Control system and Telephone system, Weather Monitoring System and Radar System, Radio systems(VHF and UHF Radio).,Telephone System(PAPX)

# Academic Qualifications

**1996-1999**

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| **Diploma** | : | Electrical and Electronics Engineering |

**2017**

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| **Degree** | : | Electrical Engineering |
| **Result** | : | On Going |

**Driving profile**

* Class 3 and 2B
* Fork lift (PSA Institute)

**Area of interest**

Keen in developing more knowledge in field of instrumentation and Control, Electrical, Electronics, Inspection and installation.

# Computer Proficiency

Window XP, Windows 7, Windows 8, MS Office

**Personal**

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| **DOB** | : | 30-May-1981 |
| **Nationality** | : | Indian |
| **Marital Status** | : | Married |
| **NRIC No.** | : | S8166676H |