**CURRICULUM VITAE**

Apply for Position: Instrument / Electrical, Comp Ex Inspector/

Construction Engineer/ QC Engineer/FAT team/E& I Senior Technician

**Expected Salary : NEGOTIABLE**

1. **PERSONAL DETAILS**

|  |  |
| --- | --- |
| Name | **Muhammad Syamsuri, ST** |
| Date of Birth | Sragen (Indonesia), 28 June 1980 |
| Passport No. | A 7397210 (DOE: March 7, 2019). |
| Resident Address | Perum Bukit Palem Permai Blok O-04 no 10, BATAM CENTRE, KEPULAUAN RIAU, INDONESIA |
| Mobile Phone | (+62) 81276890044 or (+62) 8117717122 |
| Sex | Male |
| Marital Status | Married, 3 Children |
| Hobbies | Cycling, Traveling, Reading ,and Trouble shooting |
| E-Mail | [syamsuri.ahb1980@gmail.com](mailto:syamsuri.ahb1980@gmail.com) |

# **SUMMARY OF ACCOMPLISHMENT**

# Having Professional Experiences in Oil & Gas Projects and more than 14 years in active and progressive experience in Electrical & Instrument Engineering practices ranging from engineering, fabrication, installation, inspection, and commissioning of the project onshore and offshore with emphasis on oil and gas platform, FPSO topside module, Central Process Platform (CPP), Central Process Facility (CPF), Extensions Platform, E-House, Well Head Control Panel (WHCP), Power Plant and Engineering in Manufacturing Company. Pro-active for the safety awareness by involving directly in PTW, JRA, Daily Tool Box, HAZOP & HAZID review, Safety Walkthrough, attending safety trainings.

# Certified Inspection in E &I Installation on Hazardous Area (Comp-Ex) and having experienced jobs as Comp-Ex Inspector, E&I Inspector, QA/QC Engineer, Mechanical Completion Team, Vendor Inspector, SAT/FAT team on the various EPC Company with several project.

# Having experienced in project completion stage about creating, compiling, and arranging of manufacturing data record (MDR) E&I vendors equipment and bulk/miscellaneous materials, Material Receiving Inspection Report (MRIR), Request for Inspection (RFI), Inspection Test Report (ITR), Construction Surveillance Program (CSP), Construction Action Request (CAR), Non Conformity Report (NCR), Specification Deviation Request (SDR), Project Query (PQ)/Technical Query (TQ), Technical Deviation (TD), Management of Change (MOC), Standard Operation Procedure (SOP), Hand Over Check List, Punch List Management.

# Familiar with DNV, AS/NZS standards, UK & IEC standard related flammable atmosphere and electrical standards of installation & maintenance in potentially explosive atmospheres.

# Having good knowledge in international standard and codes such us API, ISA, NEMA, NETA, NEC, IEC, IEEE, NFPA etc.

# **PROFESSIONAL TRAININGS CERTIFICATION**

**OVERSEAS TRAININGS**

**I&E Comp-Ex Competence based in Hazardous Area**, *K2Velosi*, Singapore, 2015. Certified No.51800

**LOCAL TRAININGS**

* **Working Management System (WMS)**, *Exxon Mobil Cepu Ltd*, Bojonegoro, 2015.
* **H2S Awareness Level 1**, *Tripatra& Samsung Consortium*, Bojonegoro, 2015.
* **Working at Height**, *Tripatra& Samsung Consortium*, Bojonegoro, 2015.
* **Working in Confined Space**, *Tripatra& Samsung Consortium*, Bojonegoro, 2015.
* **PTW Construction & Commissioning***, Tripatra&Samsung Consortium***,** Bojonegoro, 2015.
* **MPI, Cyber Security, Data Privacy & Bomb Threat,** *Exxon Mobil Cepu Ltd.***,** Bojonegoro, 2015.
* **Oil & Gas Instrument Inspector (COGII) Certified**

(Maritime and Offshore Vocational School and Training Ikbal M Yos, Batam – Indonesia

Certificate No. 283/inst.-xvii/xii/2012)

* **Awareness UL Electrical Equipment Hazardous Classification Area Training**

(Conducted by Trisakti Education Centre, Batam – Indonesia, 2012)

**FORMAL EDUCATION**

* **UMRAH University, Tanjung Pinang - Indonesia**

Bachelor of Electrical Engineering (Extensión Class) 2010-2012

* **UGM University, Jogjakarta - Indonesia**

Diploma of Electrical Engineering 1998 – 2001

## **CAREER HISTORY**

**1. TPP3 PROJECT**

Position : E&I Vendor Inspector, COMPEX Inspector

Employer : TUV NORD INCOK on behalf of Lotte E&C, reg ID.321

Period : 01 Oct 2017 – Present

Project : TPP3 Titan Chemical Project

Location : Malaysia – Singapore

Vendor : Emerson Process Management Pte Ltd , DFI engineering Pte Ltd

Rexel Industries Pte Ltd

Description of Duties :

1. Performing visual inspection of electrical/control component and assembly at the panel refers with schematic and single line drawing.
2. Performing details visual inspection of Electrical Equipment Hazardous Area (EEHA) installation is comply with zone area, type of protection level, equipment level, and hazardous inspection standard.
3. Witness every step of performance testing & functional testing (Analog signal reading, digital signal reading) using simulator kits refers on range acceptance criteria.
4. Review of vendor documents, SIL certification, Explosion certification of equipment and Test Report.
5. Created and issued of non-conformal report (NCR) and punch list.
6. Raising Final Inspection Report to TPI Coordinator.

**2. RAPID 6 & 11 PROJECT**

Position : E/I Vendor Inspector

Employer : TUV NORD INCOK on behalf of Samsung E&C, reg ID.321

Period : 01 August 2017 – Jan 2018

Project : Rapid Package No. 6A LLDPE & RAPID 11

Location : Malaysia – Singapore

Vendor : ABB Pte Ltd , Emerson Pte Ltd, Vector Infotech Pte Ltd , Benning Power Electronics Pte Ltd

**Involved in FAT packaged:**

1. Fuel Gas Electric Heater Control Panel, Power 769kW.
2. Fuel Gas Electric Heater Bundle, Power 769 KW
3. ABB Power Distribution Transformer 11/0.42KV, 0.4 MVA, 0.8 MVA, 2MVA, Dyn11 Z=6.25% (TR-320-CN-02A/B), 11/3.45KV 5.0MVA (TR-320-CD-02A/B).
4. Pressure, Control valve and Flow Transmitter (Emerson) Calibration and Loop Functionally Test, Model 3051SAM
5. 644H temperature Transmitter, 3051 Level Transmitter, Guided Wave Radar 5301 Level Transmitter
6. CCTV Cabinet Panel, and UPS System Cabinet

Description of Duties :

* Witness of simulation the performance test of power transformer as below:
  + Ratio and Voltage Vector Relationship Test
  + Separate Source Voltage Withstand Test
  + Measurement of No Load Loss and No Load Current
  + Induced Over-Voltage Withstand Test
  + Measurement of Winding Resistance
  + Measurement of Load Loss and Impedance Voltage
  + Insulation Resistance Measurement
* Witness every step of performance testing & functional testing (Analog signal reading, digital signal reading) using simulator kits refers on range acceptance criteria.
* Raising and close out of the punch list and non-conformal report.
* Review of MDR/vendor documents and certification of equipment.
* Raising Field Activity Report (FAR) report related Test Report during FAT and vendor visit

**3. TOTAL E&P KAOMBO PROJECT**

Position : E&I QC Inspector, COMPEX Inspector

Employer : SIEMENS PTE LTD

Period : 01 Oct 2016 – July 2017

Project : NORTH & SOUTH SEA WATER TREATMENT MODULE

Location : BATAM – KEPRIAU - INDONESIA

Description of Duties :

* Create and update Ex register list of equipment electrical refers on zone area, class, and type of protection.
* Ensuring all Ex Equipment located in Hazardous Areas Zones 0, 1 and 2 meet all international directives set out by ATEX International Standards.
* Performing details inspection of Electrical installation (ie. lighting fixtures, local control switch, socket outlet, electrical junction box HV/LV Motor, earthing system) is refers with AFC drawing installation, lay outs and project specification.
* Performing details inspection of Instrument and Fire & Gas installation (ie. transmitter, valves, orifice plate, Gauges, ESD, flame/gas detector, Instruments Junction Box, and PAGA ) is refers with AFC drawing installation, datasheet, process line & Instruments air hook up drawing, flow direction of P&ID drawing, lay out/GA drawing , process operation/maintenance and project specification.
* Performing details inspection of Electrical Equipment Hazardous Area installation (ie. Type of level equipment hazardous area of transmitter, solenoid valves, lighting fixtures, junction box, IECEX/ATEX certification numbers, details visual checking of amour on the cable gland, flameproof seal gasket, tightened bolting on the covers & terminal, and details cable termination) is refers details electrical hazardous inspection set out by ATEX International Standards and project specification.
* Create/issued non conformal report (NCR) and punch list related materials and E&I installation scope.
* Red lining all existing drawings (Datasheet, Lay outs, Schematic, SLD and GA drawing) on existing systems and lease to Design engineering for update.
* Create weekly report of E/I ICAPS Monitoring Installations/Inspection status into Completion Manager/Project Management Team.
* Compiling database ICAPS, and dossier of Mechanical Completion documents.
* Supervising the subcontractor regarding qa/qc documents, site inspection, and site issue.

**Involved in Construction & Inspection for critical system:**

1. Chemical Injection Skid ROS-Winston.
2. KSB & EMERSON Actuator Valves (Butterfly & Ball valves type).
3. SRU Feed Pump Motor 11KV, 1060KW Sulzer.
4. PH, DO, ORP and Turbidity Emerson Analyzer (Model 1066-P-HT-73).

**4. SLNG Phase 3 Expansion Project**

Position : E/I Vendor Inspector

Employer : TUV Rheinland on behalf of Samsung E&C, reg ID.2128

Period : 01 July 2016 – Oct 2016

Project : Singapore LNG Terminal Phase 3 Expansion project, Jurong Island

Location : Sunlight Siemens pte ltd Singapore

**Involved in Critical Inspection & FAT packaged:**

1. Power management System
2. Siemens MV switchgear 6.6 KV, and LV Switchgear 400 V (E33-TS2-LSB-A/B-05) type SIVACONS 8.
3. ABB MV and LV Switchgear panel, rate voltage 6.8KV/480V

Description of Duties :

* Review receiving & traceability all component part assembly, equipment/material supply from Vendor contractor related project implemented.
* Review engineering drawing before implemented into site construction, and feedback if any un-conformal with project specification, code of standard ISA & IEC, and class.
* Performing visual inspection of electrical/control component and assembly at the panel refers with schematic and single line drawing.
* Performing details visual inspection of Electrical Equipment Hazardous Area (EEHA) installation is comply with zone area, type of protection level, equipment level, and hazardous inspection standards.
* Witness of simulation the performance test of MV and LV switchgear as below:

1. Physically component check of the PLC and the network/wiring follow approved system architecture PLC.
2. Visual check all tightening of Bus-bar, termination, control wire on relay & fuses before applying 3 phase to the main switchboard, and check indicating lights for incoming &outgoing.
3. Witness all LV, MV cable, Bus-bar testing and details inspection of installation instrument packages, field instrument, and electrical equipment.
4. Witness of every step of field testing (Looping test, Continuity Test, Insulation Resistance Test (1000VDC), Primary & secondary Current Injection Test (4000 A), and High Voltage flash test (1.8/2.2 KV) follow with functional test procedural.
5. Witness every step of performance testing & functional testing (Analog signal reading, digital signal reading) using simulator kits refers on range acceptance criteria.
6. Witness simulation of panel over temperature trip test, thyristor fuse failure trip test, earth fault, common fault, lamp test, functionally of power meter, protection relay and operation load test.
7. Witness of link communication between PLC, Power Management System (PMS) & HMI is established.

**5. FPSO Karapan Armada Sterling III Bumiarmada**

Position : E&I QC Inspector, COMPEX Inspector

Employer : on behalf of Bumiarmada, under agency PT Srivijaya Indonesia

Period : Feb 2016 – July 2016

Project : FPSO Karapan Armada Sterling III Project

(Gas Treating Units, Gas Dehydrate Unit, Sulphur Removal Unit modules**)**

Location : Batam – Singapore

Description of Duties :

* Review engineering drawing before implemented into site construction, and feedback if any un-conformal with project specification, code of standard ISA & IEC, and class.
* Review receiving &traceability all equipment/material supply from contractor related project implemented.
* Supervising of main contractor, subcontractor regarding plan of EEHA &Installation inspection during stage pre completion and post completion stage.
* Performing details visual inspection of Electrical Equipment Hazardous Area (EEHA) installation is comply with zone area, type of protection level, equipment level, and hazardous inspection standards.
* Witness all LV, MV cable testing and details inspection of installation instrument packages, field instrument, electrical equipment, and chemical skid packages.
* Raising of punch list and non-conformal report about receiving equipment stage, installation device stage, and engineering design issue stage.
* Leasing to commissioning, design engineering, construction team and project management team related site issue to get solution and plan schedule of project.
* Advising to main contractor about site run issue installation if ie tubing route, cable tray route, field instrument location, penetration cable issue, and conduits system.
* Review completion document and details of hazardous inspection and filed installation.
* Weekly reporting to QC manager and construction manager regarding electrical/instrument activity and status of inspection refers on PIMS system.
* Walk down and walkthrough with 3rd party regarding sub system inspection and raise punch list.
* Closing and follow up punch list status.
* Review of vendor document related MDR documents.

**Involved in Construction &Inspection for critical system:**

1. ABB LV Switchgear 400 V.
2. Lighting System (normal/emergency), ABB Distribution Board& Receptacles.
3. Fire & Gas Detectors system (Smoke/Flame/Gas/Toxic).
4. Telecom System (onshore): Telephone, Paging & Alarms (PAEAS).
5. Fuel Gas Electric Heater Skid (GASCO).

**Achievements:**

1. Successfully Project with 3 ea module load out on schedule time.
2. No LTI during E&I construction by giving daily safety supervision to E&I constructors and subcontractors during Tool Box Meeting, Review JSA and PTW, and work supervision directly.

**6. ExxonMobil Cepu Ltd. (A Subsidiary of ExxonMobil Corporation)**

Position : E&I QC Inspector, COMPEX Inspector

Employer : on behalf of Exxon Mobil Cepu Ltd, under agency PT Java Velosi Indonesia

Period : July 2015 – Jan 2016 (7 months).

Project : Central Processing Facility, Utility System, and Well Head Platform

Location : Cepu-Bojonegoro – East Java Indonesia

Description of Duties :

* Performing daily toolbox meeting, attending daily construction meeting, and weekly safety meeting.
* Witnessing and sentencing of all site inspections as per quality plan, ITP, Project specification and standards.
* Coordinate all site inspections with the site subcontractors.
* Ensuring that all inspection reports are accurate and that all attached documents are current status which using Zenator database system.
* Ensuring all work is correctly prepared prior to any inspection being undertaken.
* Review all inspection reports for compliance.
* Assist the site QC manager in the organization, maintenance and control of the quality system.
* Liaising with the site construction engineers, designer Engineers and provides assistance when requested.
* Issue the construction surveillance plan before proceed to NCR & CAR.
* Reports to the site QC Coordinator & QC manager regarding construction quality activities.
* Prepare & the issuance of nonconformance reports to the QA manager and assist in developing corrective actions.
* Assist the QC manager and construction manager in resolving any discrepancies and ambiguities.
* Coordinate with the site subcontractors to ensure that communications exist and are maintained.
* Assist the site subcontractors in the resolution of drawing interpretation.
* Review work procedures and method statements for compliance with good work practices and the customers contract specializations.
* Verification Electrical & Instruments field punch list status and close out.
* Ensuring all activity inspections & construction works is compliance with the site's health and safety regulations.
* Witness visually & detailed inspection check of the Instrument/Electrical device Installation during final inspection stage, construction walk down and 3rd party walk down (with commissioning team & operation team).

**Involved in Construction &Inspection for critical system:**

1. SOLAR Gas Turbine Engine Titan-130 (Power =14.1 MW) which coupled to Generator ABB AMS 900LS and integrated with Heat Recovery Steam Generating Unit (HRSG).
2. CUMMINS Essential Diesel Generator (2160 kW) and Emergency Diesel Generator (400 kW)
3. ABB MV Switchgear 11kV & 6.6 kV and LV Switchgear 400V.
4. Lighting System (normal/emergency) & Receptacles.
5. Fire & Gas Detectors system (Smoke/Flame/Gas/Toxin/Heat).
6. Telecom System (onshore): Radio HF-SSB, VHF Marine, Inmarsat, aviation VHF-AM & NDB, CCTV, Telephone, Paging & Alarms (PAEAS), Automated Weather Observation System (AWOS).
7. HONEYWELL PKS c300 Monitoring System & HONEYWELL Safety Management.
8. PROSERV Well Head Control Panel & Hydraulic Power Unit for well pad- C, Model: HCP565301 till HCP565311
9. Bently Nevada Machine Monitoring System 3500 series.
10. ABB Electrical Control & Monitoring System (ECMS).
11. Grounding, Heat Tracing, Cathodic Protection, Lightning Protection, and Security Panel System.

**Achievements:**

1. No LTI during E&I construction by giving daily safety supervision to E&I constructors and subcontractors during Tool Box Meeting, Review JSA and PTW, and work supervision directly.
2. Solving pending inspection in 4 month of E/I ITR installation and ITR Hazardous inspection till ready for commissioning around 4000 tag ITR with properly arrangement team inspection and good manage all activities related to the E&I with the Contractor.

**7. PT GLOBAL PROCESS SYSTEM (A Subsidiary of Al Jabeer Corporation)**

Position : E&I QC Inspector, COMPEX Inspector, Field Construction Engineer

Employer : PT Global Process System (EPC maincontractor)

Period : July 2013 – July 2016

Location : Singapore- Batam Indonesia

Project :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Name of projects | Clients Name | Worked Period | Assign Job as |
| 1 | FPSO LAMSON PROJECT (M4, M6A, M6B, M7) | PTSC Vietnams | July 13 to Sept 13 | E/I Inspector, Comp Ex inspector |
| 2 | E-House ABB, Siakap North Petai Development EPCIC HI39998 Project | ABB Pte Ltd | July 13 to Dec 13 | E/I Inspector |
| 3 | CHEMICAL INJECTIONS SKID-CHEVRON BIBIYANA PROJECT | CHEVRON BANGLADESH | Nov 13 to 25 Dec 13 | E/I Inspector and FAT Team |
| 4 | SHELL MALAMPAYA PHASE-3 PROJECT | FLOUR PHILIPHINES LTD | Jan 14 to March 14 | Instrument Inspector and FAT Team |
| 5 | GAS DEHYDRATE UNITS (GDU) & GAS COMPRESSOR SKID | CHAIN ENERGY LIMITED | Dec 13 to 31 March 14 | Instruments Inspector &Field Engineer |
| 6 | FPSO BUKIT TUA PROJECT (M420, M140, AQ6500, M600, M220, M750, M200, M240, M210) | M3 ENERGY LTD | Oct 13 to Feb 14 | E/I Inspector |
| 7 | FPSO RATU NUSANTARA PROJECT | M3 ENERGY LTD, Location at KEPPEL SHIPYARD BENOI ROAD 15- SINGAPORE | 05 May 14 to August 14 | Instruments Inspector & Comp Ex inspector |
| 8 | BIG LAKE INLET SEPARATOR(V10005, V10006) PACKAGES | SANTOS ENERGY PTY LTD (AUSTRALIA) | March 14 to April 14 | E/I Inspector |
| 9 | FUEL GAS HEATER PACKAGES SHELL MALIKAI-PROJECT | TMJV SDN BHD ( MALAYSIA) | July 13 to Sept 19 | Instrument Inspector and FAT Team |
| 10 | CIEP STAGE 1 - INLET SEPARATORS GIDGE ALPHA (V424, V425, V426) | SANTOS ENERGY PTY LTD (AUSTRALIA) | Nov 14 to 15 Feb 15 | E/I Inspector |
| 11 | GAS COMPRESSORS SKIDS (Z-020, Z-021, Z-030, Z-040) | APACHE ENERGY LTD (AUSTRALIA) | July 14 to 18 June 15 | Field Engineer& Instruments Inspector |
| 12 | FPSO LP GAS COMPRESSORS SKID PROJECT (V-2310, V-2320 , V-2330) | MODEC TULLOW GHANA LIMITED | Dec 14 to July 15 | Instruments Inspector & Comp Ex inspector |

Description of Duties :

* Performing receiving inspection of E&I materials / equipment refers with project specification, datasheet, GA drawing, and details of installation drawings and update MIVR on the PCMS system.
* Performing details inspection of cable type refers with E&I Cable specification, Single line Diagram, looping diagram, cable schedule, and include performing continuity testing & insulated testing of electrical/instruments cable with refers with E&I testing specification.
* Create & issued non-conformal report related E&I materials and E&I installation not follow project specification, and hook up details installation into supplier or construction team.
* Review of details engineering drawing (ie. Details hook up, datasheet, lay out of cable tray/ladder, layout of instruments, cable schedule, and termination drawing) refers with project specification installation and testing specification.
* Performing details inspection of E&I fabrication supports (ie: lighting supports, instruments support, F&G-PAGA supports, Cable ladder supports) follow details of E&I support drawing.
* Performing details inspection of E&I installation (ie: cable trays, cable ladder, Electric/Instrument cable, clamp & bolting accessories) follow details installation drawing, lay outs and project specification.
* Performing details inspection of Electrical installation (ie. lighting fixtures, local control switch, socket outlet, electrical junction box, motors, heat tracing, earthing) is refers with AFC drawing installation, lay outs and project specification.
* Performing details inspection of Instrument and Fire & Gas installation (ie. transmitter, valves, orifice plate, Gauges, ESD, flame/gas detector, Instruments Junction Box, and PAGA ) is refers with AFC drawing installation, datasheet, process line & Instruments air hook up drawing, flow direction of P&ID drawing, lay out/GA drawing , process operation/maintenance and project specification.
* Performing details inspection of Electrical Equipment Hazardous Area installation (ie. Type of level equipment hazardous area of transmitter, solenoid valves, lighting fixtures, junction box, ESD, flame/gas detector, IECEX/ATEX certification numbers, details visual checking of amour on the cable gland, flameproof seal gasket, tightened bolting on the covers & terminal, and details cable termination) is refers details electrical hazardous inspection standards, and project specification.
* Create & issued non conformal report related E&I materials and E&I installation not follow project specification, and hook up details installation into supplier or construction team.
* Leasing with E&I Design Engineer, Client representative, Project Engineer and Construction Team related issue fabrication of E&I supports, location/layout, hook up installation of instruments, site run installation and details of termination.
* Leasing with Design Engineer & Project Engineering team related outstanding issue of E&I materials and equipment before mechanical completion stage.
* Creating & review as built drawing about changing of lay out instruments location, site run of cable tray/tubing, and changing details of termination drawing, and arrange database documents of as built drawing.
* Witness & coordination with technician/INE sub-contractor to performing cable testing, pneumatic testing, and create testing reports.
* Monitoring, review, and compiling of mechanical completion (ITR) documents follow actual site installation and create redline markup drawing.
* Notification & Leasing to Client for conduct Installation inspection/witness testing of cable/pneumatic test, which refers with engineering drawing on the ITR documents and project specification.
* Create & issued Final Punch list related E&I installation which not follow project specification, and hook up details installation into construction team.
* Follow up and update status E&I punch list from Client, and coordinate with construction teams to close out punch list.
* Creating, Preparing, and arrange of E&I Manufacturing Data Record (MDR) (ie. index register equipment & materials, vendors equipment’s documents drawing and bulk item raw materials) and submit to Client for review documents and get approval.

**Involved in Construction &Inspection for critical system:**

1. SOLAR Gas Turbine Engine Titan-130 (Power =14.1 MW) which coupled to Generator ABB AMS 900LS and integrated with Heat Recovery Steam Generating Unit (HRSG).
2. Emergency Diesel Generator
3. Lighting System (normal/emergency) & Receptacles.
4. Fire & Gas Detectors system (Flame/Gas/Toxin/Smoke/Heat).
5. Telecom System (onshore): Telephone, Paging & Alarms (PAEAS), Automated Weather Observation System (AWOS).
6. HONEYWELL PKS c300 Monitoring System & HONEYWELL Safety Management.
7. ABB Electrical Control & Monitoring System (ECMS).
8. Grounding, Heat Tracing, Cathodic Protection, Lightning Protection, and Security Panel System.
9. E-house HVAC Control Panel
10. ABB 400 V /11 KV Switchgear, Electrical Substation

**Achievements:**

1. Successfully completed delivered of Malampaya project on schedule
2. Good arrangement & communication related technical issue with engineering client regarding design changing after end of contract consultant at Apache Project, and successfully completed the project delivered.
3. Successfully completed delivered of Skid Module Santos project on schedule.
4. Can solved carry over work of FPSO Bukit Tua topside module until ready for commissioning in Keppel Marine Singapore with good arrangement team work construction, sub-contractor, quality and client for speed up project.

**8. PT ANGKASA ENGINEERING INDONESIA**

Position : E&I QC Inspector, COMPEX Inspector

Employer : PT AEI (E/I specialist Sub-contractor)

Period : Nov 2012 – July 2013 (9 months).

Location : Batam Indonesia

Project : Premier Oil–Well Head Platform Naga & Pelikan Project

Description of Duties :

* Make sure receiving materials E&I refers specification, Data sheet, MTO, and details GA drawing, and details of installation drawings.
* Coordination with main-contractor related E& I receiving materials, installation of E&I, loop checking /witness cable testing, and Completion stage.
* Review of electrical installation/details drawing, datasheet, and termination drawing refers on specification of electrical installation and testing specification.
* Checks installation of cable trays, cable ladder, clamp, bolting & items accessories of Insulation Material (dissimilar material) and to make sure installation is properly condition, easy access during operation and maintenance and refers with specification of electrical installation.
* Check physically of LV/MV Cable before/after pulling with refers Instrument/Electrical Cable schedule, and AFC LV/MV cable specification.
* Checks installation of lighting fixtures, LV/MV switchboard, local control switch, socket outlet, electrical junction box, heat tracing, earth connection is properly condition and refers with AFC vendors drawing, lay outs and also specification of electrical installation.
* Daily monitoring and update of status E/I inspection refers on PIMS database.
* Leasing and Conduct Inspection with Client about Installation of all Electrical equipment, Fire and gas Equipment and Instrumentation apparatus.
* Leasing with Design Engineer, Client, Supervisor E/I, Product Engineer, and Construction Teams related issue fabrication of E&I supports, location/layout, Hook up Installation and details of termination.

**9. PT MEGARON BATAM**

Position : E&I Construction Supervisor

Employer : PT Megaron Batam (E/I specialist Sub-contractor)

Period : August 2011– Oct 2012

Location : Batam Indonesia

Project : Exxon Mobil - "PNG LNG Project" LER (Local Electrical Room) A-House Onshore Packed Electrical Substation Building.

Description of Duties :

* Coordinate and supervising the electrical and instrumentation activities required to close the Package punch items.
* Provide guidance, assistance and advice to the Subcontractor on electrical and instrumentation matters related to the Packages Punch items.
* Check material preparation as per the Field Work Order requirements.
* Validate the resources (Manpower, Construction Equipment, Scaffolding…) planned by Subcontractors, to execute the Field Work Orders in accordance with the schedule.
* Provide constructability study and technical assistance to define the way to perform Packages Punch Items at Field work Order preparation stage.
* Coordinate interfaces with Company to ensure Company's acceptance of the Punch Items closure.
* Track and expedite resolutions of all Punch List items in close liaison with, whereas applicable, engineering and procurement teams as per the Field Work Orders content.
* Fill up the required MCCL and MCCR Check sheets as required
* Perform inspection of the works done as per ITPs.
* Ensure that CE Marking and ATEX compliance are fulfilled
* Prepare Vendor Drawings Mark-ups as required.
* Installation of Earth & Lightning system, PAGA System, Telecom System, Fire Protection System, Lighting System, Control System and Instrument System .
* Arrange work planning, work schedule, daily reports and progress as well as the order of material required for such work to the warehouse department, in order to obtain the desired target of the company.
* Supervising installation of 6.6 KV Switchgear (MV Panel), 33 KV Switchgear (HV Panel), 0.4 KV Switchgear (LV -Panel) DC Battery Supply, DC Charger, Essential DP, HVAC Control Panel, PAGA Amplifier / PAGA marshaling / LAN Panel , ECMS Panel,
* ESD Marshalling / IRP, Network, PCS Marshalling / IRP, PCS System ,Normal DP, AC UPS Telecom / ECMS / Battery for Telecom, BMS for AC UPS Telecom & ECMS,BMS for DC Battery, HVAC Units ,Access Control Board, Fire & Gas Junction Box, Fire Alarm Panel, Remote Monitoring System GTG, Master Control Panel for Common Essential Generator, GTG Panel etc. inside the Building Substation.
* Promote HSSE, Quality and robustness at Yard.

**10. PT PSECB INDONESIA**

Position : Test Engineer– Engineering

Employer : PT PSECB INDONESIA

Period : March 2004 – June 2011 (7 years).

Location : Batam Indonesia

Project : Power Supply Unit & Inverter of AVC project, Blue Ray Motor of AVC Project

Description of Duties :

* Performs required test correlation, evaluation, and test characterization on new product, and communicate to customer the test results or if any- test correlation issues and resolutions.
* Generate Test Setup Specification Document based on customer’s test requirements and Provide technical support to other departments on testing aspects.
* Modifies existing software to correct errors, to adapt it to new hardware or to upgrade interfaces and improve performance.
* Writing and debugging application software for any improvement activity or modified testing flow as issue Engineering Change Request (ECR).
* To perform Failure Analysis regarding product issue from the customer and liaise with the manufacturing engineers, MC team, QC Engineer to provide 8D reports.

**11. PT INEOS SILICAS INDONESIA**

Position : Instrument Technician

Employer : PT INEOS SILICAS INDONESIA (Chemical Company)

Period : Feb 2002 – Sept 2003 (1.7 years)

Location : Batam Indonesia

Project : Silicas Powder II Project

Description of Duties :

* To perform preventive, corrective and diagnostic maintenance on the process control systems and control loops.
* To remove, dismantle, overhaul/repair and install electric, pneumatic, electronic or hydraulic control system such as control valves and actuators, recorders, measuring and recording instruments in the field or in the workshop.
* To perform preventive and emergency maintenance on all equipment on site, as well as during machine scheduled or unscheduled shutdowns.
* To perform modification of control circuits and/or control loops as per the plant change requests and update all related plant drawings to reflect the actual changes.
* To perform upgrade and retrofitting of new control instruments to the existing panels in the field and main control room.
* To comply with all company Health, Safety and Environment as well as Work Permit, policies and procedures.
* To troubleshoot, repair, calibrate and test various types of process control instruments and relay logic, which include pneumatic, electrical and electronic instruments.
* To perform monitoring of performance signal on the Control room, and clarified on the field if any abnormality.

## **SKILL & KNOWLEDGE**

Having skill related Quality Inspection standards, IEC standards code, standards class, and completion project:

1. Having skill details inspection of Electrical Equipment Hazardous Area installation (ie. type of level equipment hazardous area of transmitter, solenoid valves, lighting fixtures, junction box, ESD, flame/gas detector, Analyzer kits, Equipment protection level and zone area, IECEX/ATEX certification numbers, details visual checking of armour /compound on the cable gland, flameproof seal gasket, tightened bolting on the covers & terminal, details inspection of cable termination, and calculate of power dissipation cable and type of terminals on the Junction Box).
2. Familiar with project completion database PCMS system, ICAPS System, PIMS system, and Zenator V3.3 System.
3. Familiar code with Australian AS/NZS 3000-2007 standard related wiring rule for electrical equipment installation in hazardous areas, and AS/NZS4761 Competency for working with electrical equipment for hazardous areas.
4. Familiar with DNV-OS-201 rules related electrical installation in offshore, DNV-OSS-102 Rules for Classification of Floating Production, Storage and Loading Units and DNV-OS-D202 rules related Automation, Safety, and Telecommunication Systems.
5. Familiar with UK standards related flammable atmosphere EEMUA 186 & BS EN 60079 about electrical standard of installation & maintenance in potentially explosive atmospheres.
6. Familiar with IEC 60079 standards about electrical installation in hazardous areas, explosive atmosphere, and electrical insulation.
7. Familiar with IEC 61439 standards about the LV switchgear assemblies, installation, test, and inspection.
8. Familiar with IEC 62271 International standards for the MV/HV switchgear assemblies, installation, test and inspection.
9. Familiar with IEC 60076 International standards for the Power transformer assemblies, installation, testing and inspection.
10. Familiar with IEC 61508 International standards for the unit must be properly designed into a safety instrumented function per the safety manual requirement & Safety instrumented systems for the process industry sector

Having skill related technical engineering & maintenance:

# Familiar with E/I engineering drawings, ie fabrication drawings, general arrangements, single line diagrams, block diagrams, interconnection diagrams, loop drawings, P&I Drawing, Isometric drawing.

1. Material Take off list and cost estimation of electrical system, automation control and instrumentation system.
2. Preparations of technical specifications such as Pressure Gauge, Pressure Switch, Pressure Transmitter, Level Controller, Level Indicator, Temperature Controller, Temperature Indicator, Temperature Transmitter, and Control Valves.
3. Preparation of cable scheduling, index list of instrument and details termination junction Box.
4. PLC programming such as Siemens(S7-300), NAIS(FP0-2) and PC Programming such as Microsoft Visual C#, Microsoft VB Dot NET, My SQL5.0 Database.
5. Having knowledge about sequenced flow chart and block programming for PLC SIEMENS S7 SERIES and HMI.
6. Having skill of troubleshoot, repair, looping test, calibrate and test various types of process control instruments and relay logic, which include pneumatic, electrical and electronic instruments.

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Having Professional Skilled:

1. Can manage multiple tasks simultaneously
2. Strong in Interpersonal Communication
3. Flexibility & Ability to Work in different circumstances
4. Focused on company objective and Approach to meet the Desired Results
5. Languages Known: English
6. Knowledge Computer Literacy: MS Excel / Word / Power point/Outlook/Access/ Auto-cad/ 3D Model/I-net/Project

## **RECOMMENDATIONS/REFERENCES**

1. BV Abudhabi, TECHNIP. MEDCO & BV Indonesia

Mr. Joko Susanto, Senior Electrical QC / Field Engineer BV (+6281364670848).

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1. PT INEOS Petrochemical

Mr. Asrofi, Plant Manager (+62811346782)

1. PT Exxon Mobile Cepu Ltd
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   2. Mr. Sabilul Hudaya, QA/QC Coordinator EMCL
   3. Mr. Harly Chandra, Instruments Inspector EMCL & Conoco Philips
   4. Mr. Nugroho Wicaksono, Electrical Designer Engineer MCL
   5. Mr. Evan Ady, QA/QC Coordinator EMCL
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   4. Craig Malt, Construction Manager.
   5. Kim Ho, Instrument Designer Engineer
   6. Imam Wijaya, QA/QC Manager Siemens pte ltd