

Malindo R Manullang

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PROFESSIONAL SUMMARY AND OBJECTIVE

**Over 12 years experience in the field of Electrical, Instrumentation & Telecom works on Oil & Gas sector for Construction (Fabrication, Installation, Precom & Commissioning).
Project Involved on CPP Platform, Jacket, Bridge, Riser Access Tower, Pipe Rack Module, LNG, E-House, Sea Water Treatment Module, Wellhead & FPSO.**

SPECIALITIES

- Electrical and Instrumentation Inspection / Engineering for – Construction, Precom and Commissioning
Oil & Gas both Onshore / Offshore
- Familiar with Electrical power system, generator, motor, Electrical and Instrument cabling, installation of
Lighting system, public address and general alarm system, fire and gas system, and heat tracing.
- Familiar with Installation of Electrical & Instrument drawing such a Single Line Diagram, Electrical & Instrument Wiring Diagram / Termination, P&ID and Hook Up,
- Familiar with Electrical Cable Testing such as: Insulation Resistant (Megger), Continuity Test & HI-POT
- Good ability to analyze Engineering problems, evaluates and recommends alternatives.
- Good knowledge of electrical and instrument codes and specifications.
- Good communication and interpersonal skills, capable of working independently or as part of a team.
- Familiar with Welding / NDT Inspection.

EDUCATION

Bachelor of **Electrical Engineering**, April 24th, 2004
Electronic Telecommunication Engineering
NOMMENSEN UNIVERSITY Medan, Indonesia
GPA: **3.26** (Scale: **4.00**)

EXPERIENCE

PT. Yinson Production

Ex - Inspector – Layang Field Development Project FPSO Helang

November 2018 - Now

PT. Schneider Electric France

E&I Inspector – Tengizchevroil for Future Growth Project Area & Gathering Substation

October 2018 – November 2018

PT. Saipem Indonesia Karimun Branch (SIKB)

E&I QC Supervisor – BP Tangguh Expansion Project (WDA & ROA) Project

March 2018 – July 2018

QC Inspector - Inter Pacific Technical Services Sdn Bhd on be half of SECL

Petronas Rapid Project Package 6A & Package 11

November 2017 – March 2018

Working as QC Inspector on be half of Samsung Engineering.Ltd (SECL) for Package 6A & 11. With job responsibilities witnessing Calibration for all Instrument Devices of HVAC with sub contractor Alam Dingin Air Conditioning Engineering (ADAE) at G-Calibration Ulutiram Johor. With total instrument Tested / calibrated : 127 devices such as Differential Pressure Transmitter, Humidity & Temperature Senso and Humidity & Temperature Controller.

PT. SAIPEM Indonesia

E&I Inspector – TOTAL E&P ANGOLA BLOK 32 Project

February 2016 – May 2017

Job Responsibilities:

- In accordance with the Quality Control Plan, execute the specific inspections on material, equipment
And construction/installation activities on site, following relevant specified procedures, issuing the relevant
Quality Records
- Issue the relevant Quality Records and, when necessary, write and send to QC Supervisor nonconformance Reports
- Inspection of Electrical Materials / Devices (Lighting System, Cable Ladder & Tray, Motor etc)
- Inspection of Instrument Materials (Transmitter, Valve, Switch, etc)
- Inspection of Telecom Materials (Telephone, Sounder, Speaker etc)
- Inspection of Fire & Gas System Devices such as:
 - Hydrogen Point Gas Detector (GDHC)
 - Fixed Oxygen Detectors (GDO)
 - Infra-Red Point Gas Detector (GDIR)
 - Infra-Red Open Path Gas Detector (GDB)
 - Ultrasonic Gas Detector (GDU)
 - Heat Detector – Thermostatic (RDH)
 - Pneumatic Fusible Plug (RDFP)
 - Flame Detector

- Smoke Detector
- High Sensitive Smoke Detector (HSSD)
- Manual Alarm Call Point (RMAC)
- Inspection perform for Electrical Panel LV/MV Switchgear, HVAC and UPS Panel
- Inspection perform for Instrument and Telecom Panel – SIS / PCS and Fire and Gas Panel.
- Inspection perform for Fire Extinguisher panel
- Check cable laying and cable identification for Electric, Instrument and Telecom Cable
- Check and test in accordance to the Inspection and Test Plan the installation for electrical equipment
Such as but not limited to: power transformers, switchboard, accumulator battery, sockets outlet, lighting System, etc.
- Perform visual inspections, dimensional test, check rating and material for connection
- Perform tests of cable connection – continuity and insulation resistance
- Check installation of material
- Perform functional tests
- Verify special processes and the relevant workers qualifications
- Witness the tests, controls and inspections carried out
- Check conformity with the Quality Control Plan, obtain the relevant documentation, check procedures
And equipment to be used in tests, controls and inspections, manage documents certifying tests, control
And inspections
- Ensure the correct implementation of the approved Inspection Test Plans
- Orderly collect and manage/check documents certifying test, controls and inspection documents, Ensuring that all electrical & Instrument testing related records are properly retrievable within the final As-Built dossier
- In Case of subcontractor activities, ensure the correct implementation of the approved Quality Control Plans/ Inspection

PT. CHEVRON Indonesia

E&I Inspector Bangka Topside FEED Project Indonesia (Chevron IDD)

December 2015 – February 2016

Job Responsibilities:

- Inspection of Electrical Materials / Devices (Lighting System, Cable Ladder & Tray, Motor etc)
- Inspection of Instrument Materials (Transmitter, Valve, Switch, etc)
- Inspection of Fire & Gas System Materials such as:
 - Infra-Red Point Gas Detector (GDIR)
 - Infra-Red Open Path Gas Detector (GDB)
 - Heat Detector – Thermostatic (RDH)
 - Smoke Detector
 - High Sensitive Smoke Detector (HSSD)
 - Manual Alarm Call Point (RMAC)

All Devices inspected for any physical defect or damage, and shall meet specification requirements.

Inspection shall mainly include:

A checking for: quantity, tag number plate/markings, compliance material, dimensional, electric connections, range, power supply, output signal, etc.

10 % random test for: calibration/accuracy, linearity, response time, repeatability, electrical isolation, power supply variation, output zero, output full scale, output 50% range.

Checking for all necessary documents such as : material Certificate, Calibration Certificate, Performance Test etc.

PT. Siemens Indonesia

Lead E&I MC Inspector – YAMAL LNG Project Batch 1 – Batam Indonesia

June 2015 – September 2015

Job Responsibilities:

Directly reporting to the Commissioning Manager and is responsible for the resolution of all engineering,

And technical issues.

Duties and Responsibility

- Conduct interface punch listing of the Deck with Production Engineer to identify Outstanding work.

- Coordinate the immediate solution for any Engineering, Construction and other technical Issues with the discipline hook up Engineer.

- Coordinate with other departments and ensure that all engineering and construction Issues are resolved prior hook up execution offshore.

- Ensure that Punch List items are minimized or rectified/completed as required on Schedule.

- Liaise Closely with QA/QC Team and Construction Team in Completion of Check sheet / Inspection Test Report (ITR)

- Assures That All Necessary Documentation (ITR & Dossier) Is Provided Project Team Turnover in a Timely Manner.

- Routinely Auditing the Turnover Process and Documentation to Demonstrate Compliance to Project Requirements.

- Participates as Necessary All Daily/Weekly System Status and Turnover Punch List Meetings.

- Ensure preparation and completion of Red Line As-built drawing.

PT. McDermott Indonesia

Electrical Commissioning – PETRONAS Kepodang Development Project Muriah PSC - Indonesia (CPP)

April 2014 – October 2014

Job Responsibilities:

Reported and assist Commissioning Engineer in supervising the Project from onshore up to offshore, Specifically, in organization the Electrical Pre-Commissioning & Commissioning teams and subcontractors

of the above-mentioned projects. Oversee the preparation of procedure, project cost, Engineering, contracts, schedule, manpower, offshore safety, QA/QC Inspection, parameters and Technical of the company/client/sub-contractor commissioning implementation activities.

Duties and Responsibility:

- Responsible for daily supervision of Electrical Pre-Commissioning and Commissioning Activities of the project.

- Supervision of commissioning activities for 3 nos. of 1000 kW Gas Turbine Generators

(SOLAR) in line with project schedule ensured the mechanical completion without any Important punch lists.

- Supervision of Sub-contractors, involved in Electrical Pre-Commissioning and Commissioning activities Onshore and Offshore.
- Ensuring the electrical commissioning on the work-face operates within the guidelines of the HSES policies and adheres to the PTW system rules and regulations.
- Reviewed drawing and detail design as per related codes such as NEC, API, IEC, etc, Vendor drawings and project standards compare with the actual installation then issue as built drawing for any discrepancies.
- Monitored and reported the project commissioning progress with relation to Electrical Discipline
- Coordinated with client to ensure the job intend is meet the requirements.

PT. McDermott Indonesia

E&I Mechanical Completion Engineer Gorgon LNG Plant Project

October 2013 – April 2014

Job Responsibilities:

Directly reporting to the Senior Hook Up Engineer and is a responsible for the resolution of all Engineering, and technical issues Offshore.

Duties and Responsibility:

- Attends coordination meeting with PMT, Fabrication Operations, Engineering and Offshore Operations to ensure understanding of responsibility and interface between Different departments.
- Conduct pre-construction survey and preparation of survey reports as required.
- Responsible for tracking of all incoming and issuance of hook up materials.
- Assist in preparation of hook up schedule and charts to optimize off shore hook up execution i.e. Task Sheet (PIMS), AFC Drawings, Vendor Document, Project Specification, Contract document, etc.
- Conduct interface punch listing of the Deck with Production Engineer to identify outstanding work.
- Coordinate the immediate solution for any Engineering, Construction and other technical issues with the discipline hook up Engineer.
- Coordinate with other departments and ensure that all engineering and construction issues are resolved prior hook up execution offshore.
- Ensure that Punch List items are minimized or rectified/completed as required on Schedule.
- Liaise Closely With QA/QC Team and Construction Team in Completion of Check sheet / Inspection Test Report (ITR)
- Assures That All Necessary Documentation (ITR & Dossier) Is Provided Project Team Turnover in a Timely Manner.
- Routinely Auditing the Turnover Process and Documentation to Demonstrate Compliance to Project Requirements.
- Participates as Necessary All Daily/Weekly System Status and Turnover Punch List Meetings.
- Ensure preparation and completion of Red Line As-built drawing.

PT. McDermott Indonesia

Electrical Engineer for Gorgon LNG Plant Project

October 2011 – October 2013

Job Responsibilities:

- Review all Electrical & Instrument Design Drawing and Project Specification
- Monitor construction activities to ensure material, fabrication and installation are in Accordance with the design drawing, Project Specification and in compliance with Australian Standard.
- Monitor status of Engineering and procurement deliverables to ensure established site need dates are met. Identify and address project expectation.
- Inspection of Electrical Materials / Devices (Lighting System, Cable Ladder & Tray, Motor etc)
- Inspection of Instrument Materials (Transmitter, Valve, Switch, etc)
- Inspection of Fire & Gas System Materials such as:
 - Infra-Red Point Gas Detector (GDIR)
 - Infra-Red Open Path Gas Detector (GDB)
 - Heat Detector – Thermostatic (RDH)
 - Smoke Detector
 - High Sensitive Smoke Detector (HSSD)
 - Manual Alarm Call Point (RMAC)

All Devices inspected for any physical defect or damage, and shall meet specification requirements. Inspection shall mainly include:

A checking for: quantity, tag number plate/markings, compliance material, dimensional, electric connections, range, power supply, output signal, etc

10 % random test for: calibration/accuracy, linearity, response time, repeatability, electrical isolation, power supply variation, output zero, output full scale, output 50% range.

- Raise RFI (Request for Information) & Revision order to Company for any technical/design issues, for undefined scope of work and or conflicting of project requirement.
- Provide input and review the Fabrication and Installation work phase schedule based on project plan and or mechanical completion priority list.
- Prepare Work Packs Index and generates the work packs for Fabrication and Installation Works.
- Liaise between client and sub contractor to help sort out other discipline clashes and technical difficulties.
- Ensure relative discipline work is completed in complete compliance with project safety policies and procedure.
- Review and approve shop drawings for Fabrication & Installation.
- Manage Reporting progress for issue to Project Planner
- Prepare and monitor clearing of punch list
- Assist in the performance of any testing is required
- Review drawing, MTO and requisition and highlight any shortage to project management.

PT. McDermott Indonesia

E&I Mechanical Completion Engineer CHEVRON PLATONG GAS II PROJECTS

Offshore Gulf of Thailand

August 2011 – September 2011

Job Responsibilities:

Directly reporting to the Senior Hook Up Engineer and is responsible for the resolution of all engineering, and technical issues Offshore.

Duties and Responsibility:

- Attends coordination meeting with PMT, Fabrication Operations, Engineering and

Offshore Operations to ensure understanding of responsibility and interface between different departments.

- Conduct pre-construction survey and preparation of survey reports as required.
- Ensure that Task Sheet and Change orders are generated per latest AFC drawings.
- Coordinate with Material Controller for any material shortages or additional hook up materials requirements.
- Responsible for tracking of all incoming and issuance of hook up materials, tools and equipments through MCS and SPORTS.
- Assist in preparation of hook up schedule and charts to optimize off shore hook up execution i.e. Task Sheet (PIMS), AFC Drawings, Vendor Document, Project Specification, Contract document, etc.
- Conduct interface punch listing of the Deck with Production Engineer to identify outstanding work.
- Coordinate the immediate solution for any Engineering, Construction and other technical issues with the discipline hook up Engineer.
- Coordinate with other departments and ensure that all engineering and construction issues are resolved prior hook up execution offshore.
- Ensure that Punch List items are minimized or rectified/completed as required on schedule.
- Ensure preparation and completion of Red Line As-built.

PT. McDermott Indonesia

E&I Mechanical Completion Engineer ESSO PROJECTS

December 2010 – August 2011

Job Responsibilities:

- Execute the specific inspections on materials, equipment and construction / installation activities on site.
- Issue the relevant QAN-Quality Advise Note and send to QC for update the corrective action progress by weekly.
- Work with E&I construction to rectify Client Site Issue, update the progress by weekly.
- Check Cable pulling, laying routing, bending radius, spacing between Instrument cable, power cable (Low Voltage, Medium Voltage, High Voltage), tie wrapping, Physical damage, and cable identification, tagging, Marking, Numbering as per Spec, and AFC drawing and Cable schedule.
- Check Cable Glanding, follow gland specification.
- Witnessing wiring termination, correct ferruling/cable lug types and sizing, relevant loop checks, based on AFC-wiring, layout drawing.
- Witness cable cores Continuity Test, Insulation Test/Meggering.
- Perform punch-listing operation while performing MC-ITR (Mechanical Completion – Inspection Test Records)
- Check power transformer, switchboard, accumulator battery, socket outlet, lighting system, Turbine Generator, Compressor.
- Visual inspection, dimensional test, checks rating and material for connection.
- Perform Test Continuity, Insulation Resistance for above ground cabling underground cabling.
- Perform Calibration of Safety Valve, Shutdown Valve.
- Perform Calibration of Instrument Device (Transmitter, Pressure Gauge, etc.)

- Check installation of Instruments, Wiring, and Lay Out based on AFC-Wiring, Layout drawing.
- Perform Test Functional Instruments Device.
- Ensure Installation of Electrical Apparatus, Instruments are complying with Hazardous Area Classification.
- Constant coordinate with other engineering units, Process Engineer, and all relevant departments involved specially, structure, piping department for relocation need.

PT. McDermott Indonesia

Electrical & Instrument Engineer for Chevron Project (Central Processing Platform - CPP2)

July 2008 – May 2011

Job Responsibilities:

- Review all relevant drawing and specification
- Review and approve relevant shop drawings
- Prepare field instruction / Work Pack
- Prepare material purchase list for RFQ
- Work with yard personnel, Customer, Engineering, etc
- Resolve any fabrication problem
- Ensure the yard is supplied with the correct material and drawings to meet the schedule requirement.
- Raise revision order and provide job number to the yard personnel for any Works performed which are outside of the original scope of work.
- Ensure materials, fabrication and installation in accordance with the drawing And specification.
- Monitor and report progress
- Prepare and monitor clearing of punch list
- Co-ordinate with the shop floor planning to ensure compliance with the overall Plan.
- Assist in the performance of any testing is required
- Make Instrument Equipment installation planning, coordinate with other engineering segment to meet the target and schedule.
- Review all Instrument Drawings (Instrument Support Drawing, P&ID, Instrument Hook Up, Instrument Lay Out, etc) and specification.
- Doing calibration, FAT (Factory Acceptance Test) for Instrument devices
- Review drawing, MTO and requisition and highlight any shortage to project management.
- Check that material on order comply with drawing and specification
- Inspection of Electrical Materials / Devices (Lighting System, Cable Ladder & Tray, Motor etc)
- Inspection of Instrument Materials (Transmitter, Valve, Switch, etc)
- Inspection of Fire & Gas System Materials such as:
 - Infra-Red Point Gas Detector (GDIR)
 - Infra-Red Open Path Gas Detector (GDB)
 - Heat Detector – Thermostatic (RDH)
 - Smoke Detector
 - High Sensitive Smoke Detector (HSSD)
 - Manual Alarm Call Point (RMAC)

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A checking for: quantity, tag number plate/markings, compliance material, dimensional, electric connections, range, power supply, output signal, etc
10 % random test for: calibration/accuracy, linearity, response time, repeatability, electrical isolation, power supply variation, output zero, output full scale, output 50% range.

- Expedite material issue within the yard and ensure materials are delivered to proper location in a timely manner.

PT. McDermott Indonesia

YARD PLANNER

July 2007 – July 2008

Job Responsibilities:

- To assist in the preparation of the Planning Package, the setting up of project monitoring tools and the preparation of reports on project progress, the schedule for consideration by senior colleagues and users.
- Assists with Planning Package preparation.
- Understands project-planning logic / estimation.
- Uses the planning package for project monitoring and production control.
- Issues the Document Control Format.
- Regular site visits.
- Processes and analyses data.
- Compliance in accordance with HSE Standard.
- Shop Integrated Schedule in Shop use PRIMAVERA Version - 3.0

PT. McDermott Indonesia

Maintenance Electrical Technician

July 2006 – January 2007

Job Responsibility:

- Repair and Test PC Board (Control – Firing) and Wire Feeder for Automatic Welding Machine (LINCOLN, ESAB, HOBART, MILLER, etc).
- Calibration Welding Machine and Wire Feeder (for Automatic Welding Machine) on Yard PT. McDermott.
- Calibrate Welding Machine for Derrick Barge - DB (DB 30, 26, and KP-1).

PT. Panasonic Devices Electronic

PRODUCTION ASSISTANT

August 2005 – August 2006

Job Responsibility:

- Planning and arrange Material, Operator and Machine for Production.
- Daily Monitoring of Production out – put, according to the plan had made and machine Capacity.
- Delivery Control base on Schedule and Customer Request.

TRAINING / COURSE:

- ▶ **Hazardous Area Training – CompEx with Certificate No. 52404** (2015)
- ▶ **Travel Safety by Boat and Sea Survival (TSbB)**
- Opito Approved Training – Batam August 2011** Certificate No: **93925605010811003**
- ▶ **Cable Gland – CMP** (In House) From Vendor - CMP (2010)
- ▶ **Training Permit to Work** (In House) PT. McDermott Indonesia (2009)
- ▶ **PDMS – Review Training** (In House) PT. McDermott Indonesia (2009)
- ▶ **NDT TRAINING for MT / PT (Magnetic Test and Penetrant Test)**
Universal Institute NDT Batam (2008)
- ▶ **PRIMAVERA 5.0 TRAINING**, PT. McDermott Indonesia (2007)
- ▶ **WELDING INSPECTOR** on **IKBAL-M-YOS “Professional Maritime School**
- ▶ **PLANNING ESSENTIAL TRAINING**, PT. McDermott Indonesia (2007)
- ▶ **QUALITY AWARENESS LEVEL II**, PT. McDermott Indonesia (2007).