



CURRICULUM VITAE

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Date of Birth : 25-10-1975

Nationality : MALAYSIAN

Qualification : DIPLOMA ELECTRICAL & ELECTRONIC ENGINEERING

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Competency : IECEx unit 001,003,007,008, Shell IMS5 Competent Supervisor

WORKING EXPERIENCE

August 2013 till Present : **Exim Integrated Solutions Sdn Bhd**

DURATION : JUNE 2016 TILL PRESENT

CLIENT: ULTRA SUPER CRITICAL COAL FIRED POWER PLANT MANJUNG 5

POSITION : FREELANCE VENDOR E&I and Ex INSPECTOR

RESPONSIBILITIES / SCOPE OF WORK:

- Conduct Electrical and instrument equipment inspections as directed by QC Manager for major equipment such as Switchboard, MCC, Analyzer Skid, Power Generator module, Control Valve, MOV and ETC.

- ▶ Generate inspections test report for all plant facilities equipment such as Boiler, Steam turbine system, PJFF, Chemical Polishing Plant, Electro Chlorination Plant, Condensate System and Etc.
- ▶ Compile all drawing consist of P&ID, SLD, HAC diagram, Instrument Index, Cable Schedule and mark-up drawing during inspections finding and compile into final inspection dossier.
- ▶ Ensure all equipment installation is according design specification and standard requirement.
- ▶ Consult or advise on technical issue on site such as system trouble shooting during pre-commissioning such instrument loop check and Cause & Effect problem, vibration on electrical rotating equipment, low insulation and Etc
- ▶ Audit Ex equipment physical information on hazardous area compare to data sheet, HAC, Zoning versus actual installation on site according to IEC standards and ATEX requirement
- ▶ Generate report of detail nonconformance, summary of inspection finding and submit to Client.
- ▶ Register punchlist for mechanical completion and follow-up punchlist closing

DURATION : AUGUST 2013 TILL MAY 2016

CLIENT: PETRONAS CARIGALI, PETROFAC, MURPHY OIL, SABAH SHELL, SYNTHOMER
BUMI ARMADA, EnI ANGOLA S.pa., GLOBAL PETRO SOLUTIONS, HESS CORP.

POSITION : FREELANCE VENDOR E&I, IECEX INSPECTION ENGINEER, AUDITOR AND
TRAINER

RESPONSIBILITIES / SCOPE OF WORK:

- ▶ Conduct Electrical and instrument equipment FAT as third party vendor inspections as directed by QC Manager for major fabricator of Switchboard, MCC, Analyzer Skid, Power Generator module, Control Valve, MOV and ETC.
- ▶ Manage E & I hazardous area equipment installation, inspections and maintenance project for Offshore and On shore facilities.
- ▶ Compile all drawing consist of P&ID, SLD, HAC diagram, Instrument Index, Cable Schedule to identify E & I Ex equipment Installation as per Hazardous area classifications on each module and facilities.
- ▶ Key in equipment tag identifications and data sheet into Software tools such as Arnlea and ExVeritas on data base server
- ▶ Manage pool of competence inspector to maximize their work output.
- ▶ Audit Ex equipment physical information on hazardous area compare to data sheet, HAC,SLD,P&ID, Vendor document and update into Inspect Ex data base.
- ▶ Do hazardous are equipment 'Ex' inspection on site and fill up check sheet according IEC 60079-17 and IEC 60079-14 standards for various Ex equipment such as Ex d, Ex e, Ex i, Ex n, Ex m , ATEX, NEC requirement and etc.
- ▶ Generate report of detail non conformance, summary of inspection finding and submit to Client.
- ▶ Register punchlist for mechanical completion and follow-up punchlist closing
- ▶ Compile inspection and audit verification dossier and generate noncompliance or compliance report.
- ▶ Consult and coaching client on proposal to close up all non-conformance issue.
- ▶ Perform repair or maintenance work on Explosion proof Electrical and Instrument equipment to ensure safe operation in hazardous area
- ▶ Conduct an IECEX training in order to develop Ex and Hazardous Area classification awareness

PROJECT INVOLVED :

1. REMOTE WELLHEAD PLATFORM BERGADING C (HESS Corporation)
2. REMOTE WELLHEAD PLATFORM BERGADING D (HESS Corporation)
3. REMOTE WELLHEAD PLATFORM BERGADING KESUMBA A (HESS Corporation)
4. FPSO ANGOLA BLOCK 15/06 EAST HUB- Oil Water Analyzer Skid Package (Bumi Armada Berhad)
5. FPSO ANGOLA BLOCK 15/06 EAST HUB- Hydrogen Analyzer Skid Package (EnI ANGOLA S.p.a)
6. WEST LUTONG OFFSHORE PLATFORM (PETRONAS CARIGALI)
7. WEST DESARU OFFSHORE MOPU (PETROFAC)
8. CENDOR OFFSHORE FPSO (PETROFAC)
9. CENDOR A,B&C WELLHEAD PLATFORM (PETROFAC)
10. E11 OFFSHORE PLATFORM (PETRONAS CARIGALI & SHELL)
11. E11RC REMOTE GAS MANIFOLD PLATFORM (PETRONAS CARIGALI)
12. MONOMER CHEMICAL PLANT INTEGRITY INSPECTION ONSHORE (SYNTHOMER)

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13. BINTULU CRUDE OIL TERMINAL ONSHORE (PETRONAS CARIGALI)
 14. IECE_x COMPETENCY TRAINING (INSTRUCTOR FOR MURPHY OIL CORP ,SABAH SHELL, GPS)

October 2012 till August 2013 : **BRUNEI SHELL PETROLEUM**

DURATION : OCTOBER 2012 TILL AUGUST 2013

CLIENT : BRUNEI SHELL PETROLEUM

PROJECT : AMPA-9 GAS COMPRESSION MODULE PROJECT (OFFSHORE BRUNEI)

POSITION : HUC & COMMISSIONING LEAD

RESPONSIBILITIES / SCOPE OF WORK:

- ▶ Prepare and develop onshore and offshore commissioning, safety and preservation procedure.
- ▶ Participated and giving input on Commissioning and startup (CSU) procedure development for all major equipment such as Gas Turbine Compressor, Nitrogen Generating Plant, Fuel Gas Plant, Suction Scrubber, HVAC and Etc
- ▶ Participated and giving input on operation manual and system spare part list for 2 year interchangeability (SPIR)
- ▶ Managing and ensure all essential document are well compile and hand over to client to meet operational readiness requirement.
- ▶ Prepare execution plan, hook up and commissioning schedule using planning tools i.e. Microsoft Project.
- ▶ To plan manpower and resources such as vendor mobilization, procurement plan, test equipment rental and third party services in accordance to details testing and commissioning schedule
- ▶ Prepare the total commissioning package work pack including activities sequencing, manpower allocations, test equipment list, third party services, material and spare list
- ▶ Compiling the commissioning tools and equipment list, calibration certificate, MSDS, consumable, spares, and manpower data in work pack compilation.
- ▶ Manage the commissioning campaign deliverable and ensure all execution plan are completed within planned schedule, budgeted cost, design specification and meet the client standard.
- ▶ Report to Project Manager and to project master planner on commissioning progress status and update the S curve into the plan progress versus actual progress.
- ▶ Prepare and update skyline diagram to simplify reporting on project mechanical completions deliverable, project completion package KPI for commissioning activities.
- ▶ Audit and do line walk to verify MC and PC package certificate to ensure system readiness.
- ▶ To ensure all relevant document flow for MC package and PC package ITR are well compile and organize in CCMS system
- ▶ To ensure and monitor data management system in accordance to ISO 9000 standard.
- ▶ Review and verify testing & commissioning procedure such as module power energizing plan, DCS/SIS/F&G integration, turbine crank test, process equipment prior to introducing hydrocarbon and other specific system equipment and test package.
- ▶ Conduct coordination meeting on daily basis with all discipline commissioning engineer, vendor and client rep. for testing & commissioning activities update such as PTW, progress update, technical and safety issues and mitigation plan
- ▶ Ensure all commissioning activities are done on safety manner by toolbox talk and PTW coordination
- ▶ Monitor and control all commissioning package activities constraint and bad lock on each test package to ensure the final deliverable with minimum outstanding work list and punch list.
- ▶ Compiling all ITR, Check sheet, Punch list, P&ID Mark up drawing, performance testing report and PC pack completion certificate and other relevant document prior submission to client or third party for final as built document
- ▶ Ensure hook up and commissioning campaign flawless by regularly inspect the construction installation requirement including Ex equipment such as IEC, ATEX, NEC and AUS requirement for Ex d, Ex e, Ex i, Ex n, Ex m and etc.
- ▶ To comply with the HSE policy and objectives and leadership and commitment towards HSE and environment obligation.
- ▶ Assist client during offshore hook up and commissioning startup campaign

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- ▶ Managing resource logistic during offshore hook up and commissioning startup campaign
 - ▶ Report to HOD on progress tracking on daily operations.
 - ▶ Prepare the equipment preservation plan schedule after completion of commissioning activities completed and compiling preservation record checklist according to project requirement.
 - ▶ Communicate and meet client regularly and do walkabout with client for commissioning package site readiness and completion assessment.

Feb 2008 - Sep 2011 : **MALAYSIA MARINE HEAVY ENGINEERING SDN BHD**

DURATION : Sept 2011 - Sept 2012

CLIENT : MODEC, PETROFAC

PROJECT : FPSO PYRENESS, MOPU OCEAN LEGEND

POSITION : CONSTRUCTION MANAGER

RESPONSIBILITIES / SCOPE OF WORK

- Provide technical input in the MTO and resource planning as required by the clients and others contractors in the development of the design and detailed engineering.
- Review the detailed engineering schedule of work to ensure completeness, proper organization of work activities, and reasonableness of time frames and ensure that the associated planning is able to meet the project requirements.
- Monitor contractors' performance in accordance with the detailed engineering schedule and ensure that where needed corrective actions are taken to deliver the work in accordance with the project schedule requirements.
- Review and approve the list of work pack deliverables, and monitor and ensure the timely submission of these deliverables by the EPC contractor.
- Ensure that all work package deliverables are reviewed and comments/approvals issued in accordance with the specified time frames and other provisions of the EPC contract.
- Ensure all Ex equipment installation requirement is follow as per specific requirement for as per IEC, ATEX, NEC requirement.
- Follow up with the EPC contractor the construction planning and progress on daily basis.
- Reviews constructions clashing for design deviations and make appropriate Technical queries and recommendations to the clients.
- Monitor and bring to the client's attention any conflicts between specified codes and standards and provide recommendations to resolve conflicts.
- Ensure that technical reviews of EPC Contractor's EPC Contractor's entire work package are carried out in a timely and complete manner.
- Participate in the review and approve for award recommendation of the purchase orders for equipment issued by the vendor.
- Fully understand the company HSE policy, procedures, regulations and objectives as they relate to area of responsibility. Ensures that work under control is performed in a safe and environmentally sound manner.
- Meet regularly and maintain good working relationships with the clients in the EPC Contractor organizations.
- Audit installations during construction, witness Factory and Site Acceptance Tests, pre-commissioning and commissioning of equipment / systems and assures that the installation / performance are in accordance with specifications.
- Witness and approve the FAT (Factory Acceptance Test) for major vendor equipment of Switchboard, MCC, Analyzer Skid, Power Generator module, E house, Glycol Skid, Control Valve, MOV and ETC.
- Support the effort of resolving the pending and punched items during project stages.
- Follow up with the EPC contractor construction planning and progress on daily basis.
- Provide on-site technical engineering consultation during construction, pre-commissioning & commissioning stage.
- Compile and verified bill of material and work done report.
- Operating as the Senior Authorize person for to Permit Work issuance, provision of formal authorization relating to Permits-to-Work, including boundaries ensuring examination for mutual compatibility to avoid conflict within inter discipline constructions concern
- Following-up the revalidation process to ensure permits are revalidated at the end of each shift prior to next shift activity commencement, that is twice a day and without delay;

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- Monitoring open flame and hot work activities in the operational area in confined and open space and checking all PTW are follow
 - Coordinating daily audits on mechanical / electrical equipments to ensure Lock Out Tag Out (LOTO) and other safety procedures are followed and complied.
 - Overseeing the daily, random reviewing of PTW to verify compliance on site and implement the corrective action to the non-complied permit instantly;
 - Interfacing and coordinating all Permit-to-Work systems between the client and the subcontractors and facilitating the timely completion of ad-hoc administrative functions;
 - Updating and maintaining method statements and job safety analysis;
 - Ensure that all documentation related with the Permit is attached, like certificates, Punch list, marked up drawing or Piping and Instrument Drawing {P&ID}, Task Risk Assessment, Method statement or Site Instruction or work procedure, Job safety analysis, checklist, Data sheets {MSDS} as applicable to details and equipment/tools involves in the task.
 - Participating in weekly management safety walkthrough on site and Chair daily progress and Permit-to-Work meetings.
 - Successfully ensured all relevant documents and certificates were attached and completed with permit application according to Project safety policy;
 - Ensure and disseminates the display of all planned, procedures, open and suspended work permits on visual display in the permit to work office;
 - Administered and monitored the Permit to Work System in accordance with HSE procedures;
 - Identified anomalies in the system - taking the necessary immediate action to rectify promptly;
 - Interfaced and coordinated all Permit-to-Work system between the ongoing simultaneous projects and stakeholders;
 - Ensured accurate and timely availability of PTW - issuing accordingly;
 - Planned, monitored and completed PTW audits for compliance 100% every 1 months ensuring corrective action was implemented to the non-compliance permit during the audit;
 - Reported on PTW adherence identifying potential improvements where possible

DURATION : Feb 2008 - August 2011 (Malaysia Marine Heavy Engineering)

CLIENT : MISC, ALLSEAS, CPC, HYUNDAI, MODEC, BHP BILITON, PETROFAC

PROJECT : VARIOUS FPSO, FSO, MOPU, LNG VESSEL AND OIL & GAS PROJECT

POSITION : LEAD E & I ENGINEER CUM COMMISSIONING COORDINATOR

RESPONSIBILITIES / SCOPE OF WORK:

- Lead and coordination in providing services for new constructions, repair, and overhaul, upgrading, testing and commissioning majoring in FPSO, FSO, LNG Carrier Vessel and oil and gas facilities
 - Prepare level 3&4 micro schedule for E&I activities as per project specification and work scope using planning tool such as Microsoft Project.
 - Update and reporting the project progress to project master planner on percentage S curve planned versus actual and responsible to mitigate the variance.
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- Responsible day to day planning and integrations coordination on all work package and discipline to meet design specification within timeline and cost.
 - Provide technical input in the area of electrical and instrumentations design as required by the EPC/EPCC contractor and others in the development of the design and detailed engineering.
 - Review the detailed engineering schedule of work package to ensure completeness, proper organization of work activities, and reasonableness of time frames and ensure that the associated planning is able to meet the project requirements.
 - Monitor contractors' and vendor performance in accordance with the detailed engineering schedule and ensure that where needed corrective actions are taken to deliver the work in accordance with the project schedule requirements.
 - Review and approve the list of construction and commissioning work package deliverables, and monitor and ensure the timely submission of these deliverables by the EPC/EPCC contractor.
 - Ensure that all work package deliverables are reviewed and comments/approvals issued in accordance with the specified time frames and other provisions of the EPC/EPCC contract.
 - Ensure all electrical and instrument design aspects are as per the company's and standards specification.
 - Follow up with the subcontractor the construction planning and progress on daily basis.
 - Review TQ (technical queries) for design deviations and make appropriate recommendations to the engineering manager.
 - Prepare and develop quality test plan, commissioning procedure and ensure the implementation are done accordingly during work executions
 - Monitor and bring to the engineering manager's attention any conflicts between specified codes and standards and provide recommendations to resolve conflicts.
 - Ensure that technical reviews of all work packages are carried out in a timely and complete manner.
 - Participate in the review and approve for award recommendation (TBE) of the purchase orders for equipment issued by the EPC/EPCC contractor
 - Fully understand and implement the company HSE policy, procedures, regulations and objectives as they relate to area of responsibility. Ensures that work under control is performed in a safe and environmentally sound manner.
 - Meet regularly and maintain good working relationships with all discipline Engineer in the EPC Contractor organizations.
 - Audit installations during construction, witness Factory and Site Acceptance Tests, pre-commissioning and commissioning of equipment / systems and assures that the installation / performance are in accordance with design specifications.
 - Witness and approve the FAT (Factory Acceptance Test) for major vendor equipment of Switchboard, MCC, Analyzer Skid, Power Generator module, E house, Glycol Skid, Control Valve, MOV and ETC.
 - Ensure all Ex equipment installation requirement is follow as per specific requirement for as per IEC, ATEX, NEC requirement.
 - Manage for department cost control expenditure for maximize CAPEX and OPEX
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Jan 1997 - Jan 2008 : **BOUSTEAD NAVAL SHIPYARD SDN BHD**

DURATION : Jan 2005 - Jan 2008

CLIENT : VARIOUS CLIENT

PROJECT : VARIOUS MARINE AND OFFSHORE PROJECT

POSITION : PROJECT MANAGER

RESPONSIBILITIES / SCOPE OF WORK:

- Lead the project to adhere a safety, and regulatory compliance of the work.
- Develop total project work pack including budgeted cost, planning and scheduling, manpower and resource and also risk assessment.
- Responsible for insuring that Management of Change (MOC) process is performed in accordance with established procedures, and works with the Business Unit to ensure MOC adequately documents rational.
- Evaluate / comment work performed by the Contractor and sub-contractors to insure that the work is being executed in accordance with project specifications, COMPANY standards, clients and regulatory requirements. Includes revise design drawings, documents, and specifications.
- Identify and assess deviations to Contract Technical Specifications and regulatory requirements; ensure that such deviations will be processed according to project procedures and maintains Deviation Control Log.
- Facilitate engineering queries issue from the Clients and sub-contractors as well as technical information requests.
- Ensure to the development all of Project Report and protocols to ensure a successful GATE compliance review.
- Lead the kick-off meetings with the contractor and client to ensure common understanding of engineering requirements, including deliverables.
- Conduct project team member briefing sessions with respect to requirements and processes.
- Monitor all the project resource was adequate to ensure project on track.
- Lead Project billing activities to clients to ensure all resource cost is capture.

DURATION : JAN1997-DEC 2004

CLIENT : VARIOUS CLIENTS

PROJECT : VARIOUS MARINE & OFFSHORE PROJECT

POSITION : ELECTRICAL & INSTRUMENT ENGINEER

RESPONSIBILITIES / SCOPE OF WORK:

- Awareness of Code of Practice, Applicable Standards, Military standards, NATO standards and other similar standards
- Process design and electrical equipment specifications
- Manage and coordinated for design and constructions for Floating vessel power generation and switch gear, PLC, SCADA, Electrical area classification and process safety management
- Planning the man power and resources to smooth and gain up the productivities.
- Do quality control all the daily activities to ensure all SOP and military standards are follow.
- Do testing and commissioning at Workbench level until Sea acceptance Trial for total the system integration for acceptance by client.
- Undertake and solving or trouble shoot the daily technical problem occurred during overhauling and testing process.
- Annual updating of electrical infrastructure plan and maintenance improvement processes
- Assist in the development of Maintenance, operation, commissioning, and troubleshooting procedures for the electrical equipment, plant electrical power system.
- Interpretation, implementation, and compliance with the site and local electrical safety regulations
- Upgrading plant electrical safety standards
- Involvement with upgrading in house Weapon System procedures.
- Provide technical support to maintenance and operations.
- Review and enhance Electrical Device function testing procedures and programs.
- Perform internal program assessments.
- Participate in external assessments.
- Coordination with the external auditors for Electrical Safety Integrity Program