



Theeban Nadarajan

Contact Info

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Personal Particulars

Age : 30 years
Date of Birth : 11th September 1983
Nationality : Malaysian
Gender : Male
Marital Status : Engaged
IC Num. : 830911-08-6507
Permanent Residence : Malaysia

Educational Background

Bachelor's Degree

Field of Study : Manufacturing Engineering (8 semesters / 4 years)
Major : Process and System
Institute/University : Universiti Teknikal Malaysia Melaka (UTeM)
CGPA : 3.05/4.00
Graduation Date : August 2007

Higher Secondary/STPM/"A" Level/Pre-U

Field of Study : Science (STPM)
Institute/University : SMK Seafield, USJ 2/5, Subang Jaya, Malaysia
Grade : Pass/Non-gradable
Graduation Date : December 2002

Working Experience Summary

Total six (6+) plus years working experience in the oil and gas field with knowledge encompassing Subsea and Surface Engineering, Detailed Design Review and Front End Engineering Design (FEED), Fabrication, Project Management, Planning and Operations Management.

Professional Membership

Registered Member of the Board of Engineers Malaysia (BEM) - 80393A (Manufacturing)

Employment History

1. Bureau Veritas (M) Sdn. Bhd., Menara Dayabumi, Technical Centre Kuala Lumpur, Malaysia.

Position Title : Project Engineering Consultant (Senior Process Engineer)
Position Level : Exempt Staff
Specialization : Conformity Assessment and Certification Services Consultancy
Industry : Oil and Gas (Petroleum)
Duration : Aug 2012 – Current

Work Description (Process Engineering):

Responsibilities:

- Co-lead the process engineering team in the design review validation and verification of oil platform & subsea equipment's to timely completion.
- Perform Detailed Design Review and Front End Engineering Design (FEED) of process documents which encompasses of Process Flow Diagram (PFDs), Piping & Instrumentation Diagram (P&IDs), System Reports, Sizing Calculations, Datasheets for Onshore Gas Plant, wellhead / separation platforms and Living Quarter's platforms in order to assure the scope comply with the international codes and standards such as API RP.
- Perform design review of vendor packages comprehends of Glycol Dehydration & Regeneration and Chemical Injection in order to assure the scope comply with the international codes and standards such as API RP.
- Perform design review of surface or subsea equipment's such as Christmas trees which includes Process Flow Diagram (PFDs), Piping & Instrumentation Diagram (P&IDs) and Sizing Calculations.
- Create notification of comments (NOCs) upon verification of each particular document.
- Prepare complete technical report or co-write report as and when required upon completion of a particular project.

Projects Assigned and Achievements:

- Lam Son Joint Operating Company (LSJOC) of Thang Long Dong Do Field Development Project, Vietnam.
- SMOE Zawtika Development Project Phase 1A (EPCIC of the Zawtika Processing and Living Quarters Platform), Myanmar.
- Thang Long Joint Operating Company (TLJOC) HST Full Development & HSD Early Production System Development, Vietnam.
- Panyu Offshore Gas Field Development of MEG Module, China.
- CNOOC Liu-Hua 19-5 Subsea Systems, China.
- Diamond Development Vendor Package, PetroVietnam.

Work Description (Safety Engineering):

Responsibilities:

- Perform design review case studies on platforms which includes documents such as safety equipment and escape route layout drawings / reports, hazardous area layout classification, fire and gas detection systems and fire extinguishers datasheets / reports in order to assure the scope comply with the international codes and standards such as API RP, NFPA and SOLAS.
- Create notification of comments (NOCs) upon verification of each particular document.
- Prepare complete technical report or co-write report as and when required upon completion of a particular project.

Projects Assigned and Achievements:

- SMOE Zawtika Development Project Phase 1A (EPCIC of the Zawtika Processing and Living Quarters Platform), Myanmar.
- Thang Long Joint Operating Company (TLJOC) HST Full Development & HSD Early Production System Development, Vietnam.
- Petronas Carigali Flare Tower for Kayu Manis South East and Anjung Kecil Development, Malaysia.
- Vietsovpetro Diamond Development Project, Vietnam.
- BHP Biliton Macedon Onshore Gas Plant, Australia.

Work Description (Mechanical Engineering):

Responsibilities:

- Perform mechanical design review of design calculation report provided by manufacturer against specified design international codes and standards such as API RP.
- Create quotations and Internal Service Agreement (ISA) prior design review process.
- Create Independent Review Certificate (IRC) as a verification of equipment's design under the requirements of international codes and standards.
- Create draft invoices for billing purpose.

Manufacturers Assigned:

- RMZ Oilfield Engineering Pte. Ltd.
- Exwell Oilfield Engineering Pte. Ltd.

Achievements:

- Provided revenue of USD 44,840 for 4th Quarter year 2012.
- Provided revenue of USD 35,130 for 1st Quarter year 2013.
- Provided revenue of USD 38,430 for 2nd Quarter year 2013.
- Provided revenue of USD 39,430 for 3rd Quarter year 2013.
- Provided revenue of USD 38,080 for 4th Quarter year 2013.

**2. Aker Solutions Malaysia Sdn. Bhd., PKFZ Pulau Indah, Selangor, Malaysia.
(formerly known as Aker Kvaener Malaysia Sdn. Bhd.)**

Position Title : Process Engineer cum Production Planner (Fabrication)

Position Level : Exempt Staff

Specialization : Subsea

Industry : Manufacturing of Oil and Gas Equipments (Petroleum)

Duration : Nov 2009 – July 2012

Work Description:

Responsibilities:

- Interpret and evaluate Piping and Instrumentation diagrams (P&IDs) and Process Flow Diagrams (PFDs).
- Review the control systems together with respective instrument engineers so that the efficiency of the process is increased and ensure safety requirement is met.
- Participate in hazard and operability study (HAZOP) and hazard identification study (HAZID) design review as a mitigation plan to curb hazards which could lead to accidents.

- Advocate HSE requirement by the issuance of *WorkSafe* cards to acknowledge good practices and highlight bad practices to be curbed as well as initiate idea for improvements.
- Planning and monitoring fabrication processes of respective projects with production team to deliver on-time with the mindset of zero lost time incidence, LTI and good quality products.
- Being an interface between project team and production team to ensure fabrication processes done efficiently and effectively.
- Prepare production orders via SAP software with complete document package prior to production works. Prepare service orders / rework production orders via SAP software as and when needed.
- Evaluating the efficiency of production through subcontractor's manhours, manpower usage, workload capacity loading and quality aspects.
- Working closely with alongside with other departments such as supply chain material planners for raw materials and finished goods requirement and availability, warehouse & logistics personnel's for delivery/load out and other cross functional departments as and when needed.
- Working closely with higher management regarding to the planning and execution of current and future projects in regards to manhours, manpower loading and key performance index (KPI).

Projects Assigned and Achievements:

- Completed and delivered on-time all Transocean, Maersk 2 & 3, GSF, Sevan 1A & 1B, Frontier Noble 1 & 2, CNOOC 1 & CNOOC 1 extension, Grupo R1, R1 extension & Grupo R2, TMT 1, TMT 1 extension & TMT 2 and Atwood 1 & 2 projects fabricated riser main pipes and riser clamps.
- Completed and delivered on-time China's Dai Hung Christmas Tree system (1unit) fabricated structure, flowloops and counterweights.
- Completed and delivered on-time Petronas Carigali Kumang Kanowit Christmas Tree system (2units) fabricated structures inclusive flowloops, counterweights and spreader bar and frame.
- Completed fabrication works on Petronas Carigali Kumang Kanowit Manifold Module & SPS (1unit each), PLET Module & SPS (1unit each) and Subsea Accumulated Pig Launcher, SAPL (1unit) inclusive large bore piping, small bore piping and piping headers and spreader bar and frame.
- Completed and delivered on-time Murphy Kikeh Accelerated Suction anchors and PLET (2units), manifold tree tool (1unit), VCM hubs (6units) and jumpers (12units).
- Completed and delivered on-time China's Ya Cheng project comprising of Christmas trees system fabricated structures (3units) inclusive HPDC, flowloops and counterweights.
- Completed and delivered on-time Controls projects for Rapid, Statoil and Tupi comprising of SCM Top covers (6units).
- Completed and delivered on-time Reliance A5 rework Christmas Tree (1unit).
- Completed and delivered on-time Otway project inclusive of Christmas Tree system (3units) and Retrievable Guide base system (3units).
- Intermediate stages of Murphy Kikeh Extension project inclusive of Christmas Tree (7units), Manifold (1unit), PLET (2units) and Suction anchors (3units).

3. FMC Technologies

FMC Wellhead Equipment Sdn. Bhd., Nusajaya, Johor, Malaysia.

Position Title : Material/Project Coordinator (Christmas Trees (XT))
Position Level : Exempt Staff
Specialization : Subsea
Industry : Manufacturing of Oil and Gas Equipments (Petroleum)
Duration : April 2008 – Oct 2009

Work Description:

Responsibilities:

- Coordination of manufacturing processes and assembly of total fifteen (15) sets Subsea Christmas Trees (XT) system. Each system is inclusive of an enhanced vertical deep water (EVDT) tree, a tubing head and a tubing hanger for Shell Gumusut Kakap Project (Phase I) currently at Miri, Sarawak. There are five (5) types of trees being manufacturing consists of production non-smart well (9 sets), water injection smart well (2 sets), water injection non-smart well (2 sets), gas injection smart well (1 set) and gas injection non-smart well (1 set).
- Working closely within cross functional team and department which consist of finance, assembly surface (low-bay) and assembly subsea (hi-bay), logistics and warehouse, quality control, engineering, machine shop and weld shop, as well as other planners, buyers in the material subsea department and subcontracting planners in the surface department for smooth manufacturing flow.
- Being an interface between material subsea team and production assembly team to ensure assembly works done efficiently and effectively.
- *SAP software* is used to coordinate all manufacturing and assembly jobs as it is inter-linked within departments to enhance productivity. SAP in my project scope is mainly used as below:
 - To create production orders in accordance to the correct *work breakdown structure* (WBS) in describing the entire processes of the manufacturing or assembly job required and service orders for miscellaneous works.
 - Checking on-hand subparts in issuance of production orders and material movement of parts.
 - Working closely with SAP coordinators to maintain or change procurement types to purchase /subcontract /machine in-house/assembly.
 - Working closely with SAP coordinators in creating *material master (MM)* for new subparts which has no history in system in order to further creating the right procurement type.
 - Downloading the *bill of material (BOM)* of respective parts.
- Working closely with the *Manufacturing Planning Schedule (MPS)* using *Microsoft Project software* for planning and scheduling purposes of parts/components for in-house machining in accordance to priority & suitability of Gemini's and Dainichi's lathe, milling and CNC operated machinaries.
- A helping hand during third party physical inventory audit and cross checking in order to identify mismatch of physical stock parts in warehouse and in SAP system using MB51 and MD04 commands.
- Update in SAP on an everyday basis the labor ticket & hours spent on the project using CAT2 command.
- To contribute revenue recognition as per schedule and target from higher management.

Project assigned and achievements:

- First six (6) sets of Subsea Trees have been approximately 90% completed assembly comprising of higher level assembly inclusive of mainly fabrication frames elements, upstream & downstream flowloops, flanges, maxbolts, studs and screws as well as assembly of tubing head and tubing hangers for the respective type of tree.
- Enhanced factory acceptance testing (EFAT) for first two Christmas trees systems.
- Seven (7) sets of Subsea Trees have been completed only lower levels (component level) encompasses of Composite Valve Block assembly (CVB), Production Wing Valve Block assembly (PWB), Annulus Wing Valve Block assembly (AWB), Production Shutdown Valve Block assembly (PSDV), Choke Module Hub assembly (CMH), and connectors.
- Successfully hit Christmas Trees system product group higher management cost revenue recognition for year 2008 target for total of USD \$3.00 million as well as first quarter of year 2009 target.
- Coordination of this project has enhances my experience theoretically and hands-on in Christmas trees system.

4. FMC Technologies

FMC Wellhead Equipment Sdn. Bhd., Nusajaya, Johor, Malaysia.

Position Title : Material Coordinator (Maintenance, Modification and Repair, (MMR))

Position Level : Exempt Staff

Specialization : Subsea & Surface

Industry : Manufacturing of Oil and Gas Equipments (Petroleum)

Duration : December 2007 – April 2008

Work Description:

Responsibilities:

- Refurbishment processes management comprising of Subsea and Surface FMC's manufactured (rental) equipments/tools as well as customer's equipments/tools used by the major/international oil and gas operators globally such as **Petronas, Shell** and **Nippon** for subsea projects while **Exxon Mobil, Talisman** and **Petrofac** for surface projects once equipments/tools are sent back from offshore.
- In overall, four (4) different main types of refurbishment processes which closely interlinked are coordinated depending on the requirement from customers, listed as below:
 - **Preventive maintenance** – Intended to reduce the probability of failure or the degradation of the functioning of an item. A pre-planned maintenance activity to secure, regain and uphold equipment's intended functionality or to prevent downtime of an item in operational use, subject to their design specification.
 - **Corrective maintenance** – Maintenance carried out after fault recognition and intended to put an item into state in which it can perform a required function. It is basically to restore equipment to regain all its required operational functionality, subject to their design specification, after unpredictable or unforeseen breakdown, incidents, accidents and out-of-service.
 - **Repair** – Activity involving disassembly, reassembly and testing of equipment with or without the replacement of parts. Repair does not include machining, welding, heat-treating, other manufacturing operations or the replacement of bodies.
 - **Remanufacture** – Activity involving disassembly, reassembly and testing of equipment with or without the replacement of parts where machining, welding, heat-testing, or other manufacturing operations are employed but does not include the replacement of bodies.

- Update and monitor scheduling and refurbishment works using the Microsoft Project software.
- Coordinate with all departments mention in previous pages for refurbishment works to be completed with minimum cost & on-time delivery.

Achievements:

- Successfully provided sales growth in subsea & surface MMR for year 2008.

Additional responsibilities:

- Committee Member of FMC's *First Aid group*. Intermediary knowledge on first aid, knowledgeable on Cardio Pulmonary Resuscitation (CPR) and bandages.
- Committee Member of FMC's *Quality Life Club (QLC)* for year 2008. Strengthening bonding between employers and employees by enrolment in various selections of outdoor and indoor games conducted every month by committee members. FMC's annual dinner and family day are also held every year.
- FMC's *Material Subsea Department Security Officer (DSO)*. To ensure that all electronic media such as computers, printers and computer peripherals deployed in their respective departments are monitored, cleaned and secured with correct asset tags appropriately, perform routine IT security checks and provide monthly IT security report to the IT manager.

Software Proficiency

(**Proficiency:** **Advanced** - Highly experienced; **Intermediate** - Familiar with all the basic functionalities; **Beginner** - Just started using or learning the skill)

Skill	Year(s)	Proficiency
SAP	5	Intermediate
Microsoft Project	4	Intermediate
Microsoft Office	>5	Advanced
CATIA	1	Intermediate
AutoCAD	3	Intermediate
Lotus Notes	1	Intermediate

Communication Skills

(**Proficiency:** 0=**Poor** - 10=**Excellent**)

Language	Spoken	Written
English	10	10
Bahasa Malaysia	10	10
Tamil	5	2

Additional Info

STRENGTHS

Leadership

Leadership charisma, dynamic team player, communicates effectively with colleagues and senior management, creative & resourceful and driven with strong desire to excel.

Characteristics

A fast learner, self-motivator, independent, sense of responsibility, hardworking and punctual.

Miscellaneous

Availability : Immediately after notice period of 3 months (Negotiable)
Current monthly salary (basic) : MYR 6,600.00
Expected monthly salary : MYR 10,500.00 (Negotiable)
Willing to Travel : Moderate (25-50%)
Willing to Relocate : Will Consider
Possess Own Transport : Yes

References

1) Mr. S. Ravindran Naidu

Relationship : Senior Manager, Procurement and Subcontract at SapuraKencana Petroleum Berhad
Tel : 6016-2124009
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2) Mr. G. Murali

Relationship : Project Manager, Cameron International Malaysia System
Tel : 6012-7195337 or 6012-7073809
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3) Mr. A. Nishaj

Relationship : Services Planning Supervisor, GE Energy Pvt. Ltd., Singapore
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