

Srinivasan Thiruvengadam

PROJECT MANAGER

CANDIDATE SUMMARY

Personal Objective:

To work in a dynamic organization; contributing my resources and experience in multi-disciplinary engineering and project management

Career Highlights:

Summary - Over 35 years of experience in a diverse range of projects for Customers including Petrofac / Prosafe/ Galoc Production/ Brunei Shell Petroleum / Esso / Singapore Refineries / Petroleum Development Oman / Aramco / Union Oil / Smorgon / ONGC India / PTTB / Roxby Downs Gold and Uranium etc

Delivery Manager/Deputy Project Director – Berantai FPSO Project

Contracts Management – For FPSO Cidade and Prepared and Managed various types of contracts, i.e. EPC, Turnkey, Lump Sum, Cost plus. Familiar with techno-legal terms and conditions, negotiation, cost control, change management. Project Management - Managed a diverse range of projects spanning Offshore/Onshore in Oil & Gas / Petrochemical / Utility industries.

Planning - Multi-disciplinary co-ordination in preparing and managing detailed Level-4 schedules using MS Project / Primavera P3. Regular preparation and compilation of management reports.

Construction - Jacket/ Platforms / Utility Plants / Skid mounted packages / Pressure Vessels / Tanks / Heat Exchangers / Spheres / Workshop structures / Piping / Hook-up and commissioning.

Proposals - Responsible for preparation of proposals for projects involving Rigs / Semi-submersible / FPSO / Jacket / Topsides / Utilities etc. Thereupon, follow through and negotiate with Customers.

Engineering – Project Engineering, cost control, wps Site proposal, engg solution, technical advice, Piping, Structures, Mechanical for offshore/ onshore projects.

CANDIDATE PROFILE

Current Location:	Singapore
Nationality:	Singaporean /Australian Resident
Submitted For / Current Role:	Project Manager
Years of Experience:	35 years
Availability:	Immediate
Estimated Start Date:	Immediate
Motivation to Move:	Currently working on freelance assignment
Education:	<ul style="list-style-type: none">• National University of Singapore• Master of Science• 1998 • Madras University, India• Bachelor of Engineering Degree in Mechanical Engineering• 1981

Skills / Qualifications:

- **Delivery Manager/Deputy Project Director** – Berantai FPSO Project
- **Contracts Management** – For FPSO Cidade and Prepared and Managed various types of contracts, i.e. EPC, Turnkey, Lump Sum, Cost plus. Familiar with techno-legal terms and conditions, negotiation, cost control, change management.
- **Project Management** - Managed a diverse range of projects spanning Offshore/Onshore in Oil & Gas / Petrochemical / Utility industries.
- **Planning** - Multi-disciplinary co-ordination in preparing and managing detailed Level-4 schedules using MS Project / Primavera P3. Regular preparation and compilation of management reports.
- **Construction** - Jacket/ Platforms / Utility Plants / Skid mounted packages / Pressure Vessels / Tanks / Heat Exchangers / Spheres / Workshop structures / Piping / Hook-up and commissioning.
- **Proposals** - Responsible for preparation of proposals for projects involving Rigs / Semi submersible / FPSO / Jacket / Topsides / Utilities etc. Thereupon, follow through and negotiate with Customers.
- **Engineering** - Project Engineering, cost control, wps Site proposal, engg solution , technical advice, Piping, Structures ,Mechanical for offshore/ onshore projects.
- Engineering co-ordination, Hazop reviews, Cost effective design management, Inter discipline checking, Design change to fit for the purpose.

Languages:

English

CANDIDATE PROFILE

SMT Consultants Pte Ltd.

Jul 2015 – October 2018

Freelance

**Consultant – Petrofac Rapid Project
for Petronas Malaysia**

Duties / Responsibilities:

- Ensured change control procedure is effectively implemented.
- Engineering design change to suit the site clashes and condition without compromising safety, quality and cost effectively
- Construction Manager to oversee the site fabrication/erection and preparation for pre-commissioning activities
- Involved in Steam blowing activities, pre- commissioning Rotary equipment's.
- Technical advice and proposal for Engineering issues wrt site modification and testing pressure vessels, Heat exchangers, Columns, Piping etc
- For Petrofac Malaysia for Rapid Project – Sulphur recovery train Completing the Construction activities, pre-commissioning and ready for commissioning.
- Structural fabrication in Pasir Gudang and managing the Engineering modification w.r.t to the design criteria and advice the Engineering Team suitable proposal as per the real condition

M3nergy Offshore Ltd, Singapore

Feb 2014 - Jun 2015

**Project Control Manager/ Deputy to
PM**

Details:

The Bukit Tua Field Development Project for Indonesia.
"A Framax " FPSO
22.8 million barrels of oil and 70 billion standard cubic feet of gas during the first five years of production. Production from the field is expected to start by the end of 2014. Now is hold by the client
Duration for conversion – 17 months
Top side modules – 4000 Ton
Approx. cost is over U\$300 Million

Duties / Responsibilities:

- Looking after Project Cost control and Contracts also and saved twenty over millions in Negotiation with the Shipyard.
- Managing a team of QS and contract engineer, tasked to establish the project controls team for the Bukit Tua FPSO. Change over design, change order and cost control and claims approval.
- Assisting the project manager and ensuring that all contractual obligations are met and ensure that contracts are closed out by the contractors and subcontractors.
- Ensuring that cost reporting systems are established and adhered to by internal and external stakeholders.
- Maintains full responsibility for project budget.
- Ensures that the schedule and planning team are in line with company milestone goals.
- Stand In project manager for the project such as Engineering, schedule, cost and claims.

**Delivery Manager/ (Deputy Project
Director)**

Details:

Duties / Responsibilities:

East Fortune Berantai Project for Petronas – Aug 2011 to Sept 2012

FPSO Berantai for Berantai Field Operation

- The Berantai Field Development Project is an offshore green-field development in Malaysia which is to be jointly realized under a Risk Service Contract (RSC) by Petroliam Nasional Berhad (PETRONAS) and Joint Venture Partners comprising: Petrofac Energy Developments Sdn Bhd, Sapura Energy Ventures Sdn Bhd and Kencana Energy Sdn Bhd. A Floating Production Storage and Offloading facility: FPSO Berantai, has been developed for operation in Berantai field. The FPSO has overall length of 221.28 m, LBP of 198 m, Breadth of 32.25, depth of 16.75, and deadweight of 48405 tones. The vessel will be operating in water depth range of 52 -72 m with 12 point catenary mooring lines. The vessel has the peak operational capacity of 150MMscfd of gas, 10000bopd of oil and 15000blpd of high-condensate liquids. The FPSO will export gas via a new subsea pipeline to a third party Platform (the ANDR-A platform in the Angsi facility). Oil from the cargo tanks of the FPSO will be exported via floating hose to shuttle tanker. (see the attached Sketch for quick ref)

Duties and responsibilities:

Working as a Delivery Manager/Deputy Project Director for East Fortune (Berantai FPSO) for Berantai Project. This was a fast track Project started in April 2011 and completed by Jul 2012. Detailed Engineering /Construction /Installation/ Integration all are carried out as parallel activity.

- She is now in offshore and expecting first gas in Oct 2012.
- Monitoring and Controlling Project's Engineering activities.
- Ensured change control procedure is effectively implemented.
- Responsible for Engineering control and co-ordination
- Approved documents for issue (drawing / reports / material requisitions) and ensure quality of deliverables from Engineering.
- Engineering coordination with 3 companies in different location (Aberdan/KL/Dps spore/ Petrofac India)
- Planning/ Monitoring the fabrication work and ensure Engg deliverables and Procurement free issue material (valves/piping -cuni/duplex/ss/titanium) are meeting the planned schedule.
- More than 210,000 Dia inch (Topside 150,000 and marine 60,000) fabricated and installed. Approx 725 test pack directly driven and headed by me.
- Electrical and instrumentation for approximately 245 km – installation
- Topside completion to suit the integration schedule from different yards in a reasonable completion stage. (90 to 98%)
- The vessel is 30 years old and 700 tons of steel reinforcement work was carried out.
- Mechanical completion and Pre-commissioning activities took more than 23,500 ITRs (A-Construction and B- Pre commissioning) have been completed and driven directly by me through the commissioning manager.
- Existing Marine equipment and accommodation refurbished and galley equipment was completely changed and major overall works in the utility piping/cargo piping, cargo tanks/ballast tanks etc were carried out.
- Planned and organized the base schedule and was directly involved in the construction management activities to meet schedule, quality and safety on a day to day basis.
- Heading interfaces between design, construction, installation and HUC.
- Was involved and manage in N2 leak test and completed.

Project valued at approximately: U\$350 Million

From Oct 2012 to Apr 2013

- I have audited with our team all the Companies in Indonesia for suitability for the Gendalo /Gehem bid. Fabrication and Integration (Surabaya/Jakarta/ Batam- Nippon/ SMOE/Profab etc)

Project value is U\$2.5 Billion

From May 2013 to Oct 2013 – Site Representative for Bekok-C – Terengganu Yard

- Handled all construction activities to meet the MOPU demobilization deadline as planned by Petronas.
- Day to day planning of fabrication to deliver to offshore including testing and logistics.
Was overall in-charge of the Construction yard at Terengganu and “ Fit for the purpose” of the Project

Galoc Production Pte Ltd, Singapore

Oct 2009 – Jul 2011

Contracts and cost Control Manger

Details: Galoc Field

Duties / Responsibilities:

- Expansion of existing field additional drilling, and managing existing FPSO (Rubicon Intrepid), upgrading of ROI etc. Resolved the litigation case after 3 months discussion. Claimed Insurance Claim for the non-working period of the Fpso and the rework cost.
- GPC was at that time undertaking the development of the Galoc oil field located off the NW Coast of Palawan Island in the Philippines. GPC's Galoc project office was located in Singapore for logistical reasons, the main contractor and most of key supply bases being located there.
- Work involved providing technical and commercial expertise in the areas of offshore engineering operations, cost estimation, contractual scrutiny and management, and insurance. Involvement in arbitration proceedings brought in Singapore against our main contractor, which continued for a year before a settlement was reached. Involved providing the legal team with technical advice to initiate and pursue the legal proceedings, and then working in the negotiating team to settle the arbitration outside the legal process.

Prosafe Production Services Pte Ltd, Singapore

Oct 2007 – Oct 2009

Manager (Contracts and cost control)

Details: Petro bras

Duties / Responsibilities:

- Contracts Manager, reporting to the Project Manager. The Cidade de Sao Mateus is a \$600 million Gas FPSO for Petro bras, developed as a new conversion of a VLCC tanker in Singapore. The 15,000 t of topside modules were provided by 6 major subcontractors, mostly on EPC basis.

Achievements:

- Advised PM and project team on contracting strategy for many multiple service contracts, resolved disputes raised due to Engineering inter discipline issues and ensured continued production to hold the project schedule.
- Controlling Project Engineering Change ie minimize to fit for the purpose.
- Negotiation with Contractors, Vendors and the procurement and Engineering department to fit for purpose of the project with competitive pricing and scheduling
- Represented Prosafe in managing contract variation claims, negotiations and supported settlements with the EPC subcontracts. Total EPC module contracts \$96 million.
- Prepared documentation negotiated to award and administered a \$35 million, module fabrication contract.
- Developed, bid, negotiated and awarded a \$12 million module load out and transport contract.
- Carry over works at yard with several subcontractors to a value of \$12 million

**Sembawang Marine & Offshore
Engineering Pte Ltd (SMOE),
Singapore**

Aug 2004 – Sep 2007

**Project Control Manager/Manager
(Contracts and costing)**

Aug 2005 – Sep 2007

Details: TTP Project

Duties / Responsibilities:

- Managed the Contracts with Client and Sub-contractors - TTB-Third Transmission Pipeline Project – TTB – Thailand. (Process Platform and living quarters)
- Project value - US\$ 120 Million.
- Project Details: PTT / PRP project is part of the Third Transmission Pipeline that will supply gas from adjoining fields in the Gulf of Thailand to the mainland. It will, in the future, have compression facilities to compress and export gas to Thailand. The current platform has a Living quarter, metering station and control room for integrated operation of adjoining ERP platform.

Throughput = 190,000mmscfd; Dia inch = 75,000; Weight = 7,000 for topsides.

Achievement:

- All subcontracting works have been negotiated within the budget
- Responsible for assisting procurement for the major equipment and Negotiating with contractors and Vendors, Technical evaluation and commercial evaluation.
- Majority of the variations have been approved by the Client
- Managed subcontractors and vendors and achieved the completion of the job per master schedule. This involved negotiation/premium/balancing the resources
- Team player –achieved Project Objectives with a team of engineers

Manager (Contracts and costing)

Aug 2004 – Jul 2005

Details: For Bongkot Project

Duties / Responsibilities:

- Managed the Contract with Client; however, with added responsibility of overseeing piping work including sub-contractors, for Bongkot – PTTB – Thailand. (Sour process platform) - Project value - S\$ 200 Million (Piping alone - S\$ 40 Million).

Project Details:

- Bongkot Field Development Project, Phase 3 for PTT Exploration and Production Public limited company, Thailand. The project scope covers an 8 leg Jacket with pre-installed risers, boat landings and bumpers - An HP/LP Flare boom -Two 3 level deck modules with facilities for liquids, knock-out, Mercury and H2S filtering and removal, H2S scavenger Injection, Pig reception and Utilities, A 3 LEG Bridge support Platform BSP and Two bridge Support Platform to interconnect the Process and utility lines with the existing platform.

Achievement:

- Material handling and MRR, final documentation finalised as per client's requirement and to their satisfaction
- Project completed as per the schedule
- All sub contractors have been negotiated and finalised
- All piping test package have been completed on time

**SembCorp Utilities / SembCorp
Engineering Pte Ltd, Singapore**

1996 – Aug 2004

**Assistant Manager (Contracts & Cost
Control, Project Engineering)**

Duties / Responsibilities:

- Responsible for project control of all the major Lump Sum, Turnkey EPC Contracts. This included change management and cost control of SUT's projects on Jurong Island, Singapore amounting to more than S\$ 200 Million.
- Project Manager for a Pilot desalination plant, a 30,000 m³/day Reverse Osmosis Plant and a 70 t/day hazardous waste incineration plant, all of which were the first of their kind in Asia. Project value – S\$50 Million
- Construction Manager for expansion phases 1C & 1D of the Utility plants, worth S\$ 25 Million.

Project details: Sut Seraya

- 70 TPD toxic waste incineration plant with Fluidized bed degraders
- 30,000 m³/day RO water treatment plant which converts tertiary treated
- Waste water to industrial grade water
- No of people – Staff: 40, Workmen: 200

Sut

- A series of turnkey projects aiming to develop a central complex to support various chemical industry clusters. The complex is a centralized Utility and terminal complex, producing various utilities like HP, MP, LP Steam using process boilers, condensate, chilled & cooling water, DM Water, seawater etc to most of the chemical/ petrochemical complexes on Jurong Island, Singapore. The development included a vast network of pipelines and other services interconnecting these complexes, with a centralized Wastewater treatment facility that receives and treats waste water from these customers.
- No of people - Staff: 140, Workmen - 800

Achievement:

- Responsible & Accountable for project control of all the major Lump Sum Turnkey EPC Contracts including Project engineering besides, variation, Cost Control for SUT Utility Projects on Jurong Island, Singapore. Worth of Contracts: more than S\$ 200 Million.
- Responsible for attending to Maintenance issues related to Pressure vessels / heat exchangers, as and when called upon.
- Technical recommendation for Enhancement of Plant following Engineering Review, Hazop studies and operational issues– S\$ 40 Million
- Phase 1C /1D – Construction Manager – 25 Million
- 30,000 m³/d RO Plant & 70 t/d Hazardous Waste Incinerator Plant – overall in charge of Project Management – S\$ 50 Million
- Responsible for contracting, Engineering Co-ordination and execution of the SUT utility project phase 1A, reporting to the Senior Project Manager.- value of S\$ 125 Million
- Fabrication and erection of Stack / Jetty / Seawater / Cooling water system.- S\$50 Million
Responsible for phase 1B tie-in during shut down (250 tie-ins – in 3 weeks)

Sembawang Bethlehem Pte Ltd, Singapore

1994 - 1996

Senior Project / Proposals Engineer

Duties / Responsibilities:

- Responsible for project management, project control for all offshore projects of the company. Executed contracts for Rig repair of Do –Sung / Rani Wora platforms and fabrication of sub-sea systems for AOPC LIUHUA 11 project for Son-Sub (Total project value – S\$ 25 million).

**Brunei Shell Petroleum Co. Sdn Bhd,
Singapore**

1992 – 1994

**Resident Mechanical Engineer (Project
Value S\$ 200 Million)**

Duties / Responsibilities:

- Responsible for Engineering control and co-ordination
- Approved documents for issue (drawing / reports / material requisitions) and ensure quality of deliverables from Engineering contractor, Brown & Root
- Ensured change control procedure is effectively implemented.
- Controlled and Managed Subcontractor's activities like fabrication, erection and commissioning of equipment / pipe work, including testing.
- Ensured contractor adherence to Safety Standards during construction / erection / commissioning.

Sembawang Maritime Ltd, Singapore

1989 – 1992

Project / Proposal Engineer

Duties / Responsibilities:

- Preparation of Bid proposals, Technical / Commercial for offshore bids to Aramco, Unocal, QGPC, Brunei Shell etc
- Material co-ordination and inspection of Hook-up and commissioning materials for QGPC 3
- Preparation of planning activities using Hornet Project Management Program

**Gutteridge Haskins and Pte Ltd,
Australia**

1987 – 1989

Project / Design Engineer

Duties / Responsibilities:

- Engineering design and review of piping / structural / mechanical deliverables for Smorgon paper mill / Chemical plants / Rosby Downs Gold and Uranium Projects / Shell refineries / Bays water / Southern paper converters Pte Ltd.
- Preparation of tender documents, specifications, tender evaluation and finalization of contractors - for equipment, tanks, vessels, piping, valves etc.
- Co-ordination with client, consultant, contractors, site and engineering departments for Bowater Trading Pty LTD's Tissue paper mill project.

**Sembawang Engineering Pte Ltd,
Singapore**

1982 – 1987

**Production Planning & Control
Engineer and Project Engineering**

Duties / Responsibilities:

- Developed shop drawings for pressure vessels / piping / structures. And In-charge of production planning and control, co-ordination and scheduling of various activities in fabrication yard. Were also in-charge of construction / erection of structures & piping work for living quarters, module and topside structures, skid mounted packages, pressure vessels etc.

**Kaveri Engineering Industries Pte Ltd,
India**

1976 – 1982

Engineering Supervisor

Duties / Responsibilities:

- Prepared and checked drawings for pressure vessels, pig launchers, heat exchangers, columns, towers, spheres, structures and storage tanks in carbon steel / clad steel and stainless as per ASME, BS, TEMA, API and DIN codes.

Meenaxi Metal Industries, India

1975 – 1976

Supervisor**Duties / Responsibilities:**

- Supervised the fabrication of vessels, tanks & structures; liaised with customers and inspection agencies.

Bharath Heavy Electricals Ltd, India

1974 – 1975

Technical Assistant**Duties / Responsibilities:**

- Assisted in the fabrication and erection of cranes and structures for workshop buildings.

PROFESSIONAL MEMBERSHIP

- Member of the Institute of Engineers, Australia and an Affiliate member of American Society of Mechanical Engineers
- Attended many training courses, discussions and workshops on project management, legal issues related to contracts, cost and time management, MS Project etc.

PERSONAL

- Singapore citizen
- Holding a permanent residence in Australia,
- Married with three children
- Positive, go-getter, team player with good communication skills

SUMMARY OF PROFESSIONAL EXPERIENCE

Contracts / Planning / Construction / Erection / Engineering

- Project co-ordination, Contract administration and Management for all the major EPC Contracts such as Boilers / water treatment Plant / Demin Plant / Incinerator / RO. Plant / Steam System / Cooling water / Seawater and other utilities. In charge of all Warranty / Maintenance of Utility plant.
- Project management / Cost - control / Contract administration for diverse projects such as: Contract for SUT/ Repair of Semi submersible Rig "Doo - Sung" and Jack-up Rig "Rani Woro".
- Construction / Erection of Jetty / Stack / Sea water system (FRP-6KM)/ Cooling water System / Steam Line HP/MP/LP/Utilities System for Utility Plant
- Project co-ordination, Contract administration and Management. Warranty / Maintenance of Utility plant.
- Construction of topside modules / jackets. Constructions of Pressure vessels, piping, skid mounted package, and workshop structures in CS, SS, Duplex and Clad steel.
- Preparation of technical and commercial specifications, evaluation of tenders and finalization of contracts with contractors.
- Material planning and scheduling including the preparation of PERT, CPM, Bar chart, Resource loading & allocation / load forecasts / monitor / cost control etc.

- Tie - in fabrication / Erection during Plant shut down.

Proposal/Engineering

- Bid preparation for offshore platforms / Process Platform / Living Quarters, FPSO, FPS, Rigs, Jack-up both repairs & new building.
- Review and approval of Detailed Design drawings for the Topsides, Jackets and associated structures and equipment.
- Approval of Vendor Data / Calculations / Drawings for topside platform detailed design.
- Preparation and review of drawings for Pressure vessels, Heat - exchangers, Tanks and Skid mounted packages. Structural drawings for Power Generation Modules, Living Quarters, Drilling Modules, Production Modules, Control Modules, Offshore Jackets, MRT Doors, Mooring Columns, Iron Ore Projects, Bridges, Girders and Workshop Structures.
- Project Engineering, cost control, wps Site proposal, engg solution, technical advice, Piping, Structures, Mechanical for offshore/ onshore projects.
- Bid preparation for offshore platforms / Living Quarters, FPSO, FPS, Rigs, Jack-up (repairs & new building).

Projects: Work assignments included projects for the following International Clients:

- Brunei Shell Petroleum / Esso / Singapore Refineries / Petroleum Development Oman / Aramco / Union Oil / Foster Wheeler / Smorgon / ONGC / PTTB / Kudermuke Iron Ore / Roxby Downs Gold and Uranium / PUB / MRT Singapore etc.

Reference:

- 1 Mr. David Grassik
Ex CEO Galoc Production Pte Ltd (Singapore/Manila)
Tel-44-778592108020
2. Mr. Chris Jolly
Managing Director
Galoc production Pte Ltd
Vitol UK & Otto Energy Aust(Major share holder of Palawan field Philippine)
Tel- 44- 7764 965120
- 3 Mr.Pitchai Murugan
Ex-Managing Director
Offshore Division Petrofac Pte Ltd
h/p- 6586692392
- 4 Mr.Charles Moorthy
Rtd FLSMITH
H/P -0448228740