

**Rajeev Raman.TR**  
**Project Engineer**

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Passport Details	V1017113 (valid till 29-04-2031)
Nationality	Indian
Age	32
Profession	Site Construction Management
Specialization	Project Management
Current Position	Project Engineer
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A proficient, zestful and exuberant-mechanical engineering professional, with an enriching **experience of 8 years** in oil and gas engineering construction industry.

**Qualification:**

B.Tech. in Mechanical Engineering from Mets school of engineering Mala (Kerala) under University of Calicut- Kerala in 2015 with 7.25 CGPA  
Diploma in Mechanical Engineering from Sree Rama Government Polytechnic College (SRGPTC). (State Board of Technical Education, Kerala, India) with 73.84%

- Currently associated with **Bahrain Special Technical Services (STS) Co. W.L.L.** in the capacity of a project engineer – Piping /Mechanical (*Rack Piping, Equipment piping, Hydrogen Reformer, Steam boiler*)
- Also incorporated planning and execution of another discipline as Structural Engineer /Refractory - (*Hydrogen Plant Steam Reformer, Steam Boiler-MACCHI*), at the kingdom of BAHRAIN.

PROJECT : Bapco Modernization Programme (BMP)  
PROJECT TYPE : Refinery up-gradation  
OPERATOR : Bapco  
PROJECT MANAGEMENT SERVICES CONTRACTOR: Bapco and Worley (IPMT)  
CLIENT : TTS JV (Technip FMC, Tecnicas Reunidas (TR) and Samsung Engineering).

- Previous Project with **Naser M. Al-Baddah & Partner Gen. Trdg. & Cont. Co. WLL, Kuwait-KNPC**, in the capacity of **Site Engineer** – Piping /Steel Structural (*Pipe Rack, Offshore Equipment -Pressure vessels, Heat Exchangers, heater module structures*) at KUWAIT.

PROJECT : CLEAN FUEL PROJECT KNPC .CFP-MAA-0054  
PROJECT TYPE : Refinery up-gradation and integration.  
OPERATOR : Kuwait National Petroleum Company (KNPC).  
PROJECT MANAGEMENT SERVICES CONTRACTOR: Wood Group -Amec Foster Wheeler.  
CLIENT : JGSK, SKEC Engineering.

## OBJECTIVE

Seeking a challenging assignment as **Project Engineer – Piping/Mechanical/Structural** with a reputed company to integrate, domain and expertise leadership skills for achieving organizational goals.

## KEY WORK EXPERIENCE

- A competent professional with nearly 08 years of extensive experience in Project/Construction Management, Plant Operations & Construction (Piping, Structural & Static Equipment).
- Gained exposure to EPC, Green & Brownfield Project, Gas & Oil, Energy and infrastructure domains.
- Comprehensive experience in monitoring projects with respect to time, cost and quality including technical and techno-commercial coordination with all stakeholders such as Project Manager, Clients, Consultants, Subcontractors & Vendors.
- Executed turnkey projects with respect to budgeted cost, demand forecasts & time overruns; conducted cost benefit analysis of the projects including feasibility studies, assessment of the requirements, installation and commissioning.
- Skilled in various types of piping, reviewing engineering drawings, technical specifications, checking of the piping erection and alignment and planning for the erection materials as per the requirement.
- Analyzing project requirements and reviewing all the project proposals wherein mapping requirements of manpower/ materials resources is fulfilled ensuring cost effective execution as per schedule.
- Proven leadership with a merit of steering projects, stakeholder engagement, contracts management, financial management, procurement management, risk management and so on to maximize benefits.
- Appraising the prevalent production systems/ processes, identifying loopholes if any and undertaking result-oriented measures for deciphering them and documenting the same.
- Developing project baselines while monitoring and controlling projects with respect to cost, resource deployment, time overruns and quality compliance to ensure its satisfactory execution. Taking stringent quality measures including preparation / maintenance of necessary documents to ensure compliance with above standards, specifications & client requirements.
- Monitoring maintenance procedures to increase efficiency and ensuring adherence to quality standards through in-process checks. Proficient in MS Office tools, MS Project, solid edge, CADD-Mechanical.

## CAREER SUMMARY

- ◆ **3 years with SPECIAL TECHNICAL SERVICES LLC, OMAN, BMP-Bahrain. Project Engineer - Piping /Mechanical (Feb: 02- 2020 to till date).**

Performed duties of piping engineer for field piping/package piping for Oil & Gas construction project, Bapco Modernization Program (BMP) under TTSJV in BAPCO Refinery.

- 1.Also incorporated with additional activities such as leading structural erection, dossier completion, MC walkdown
- 2.Leadng mechanical activities for planning, executing and monitoring of hydrogen reformer refractory works.

<b>Project Title :</b>	Bapco Modernization Programme (BMP)
<b>Period :</b>	Feb: 02- 2020 to till date
<b>Position :</b>	Project Engineer
<b>EPC :</b>	TTS JV (JV)
<b>Owner :</b>	Kuwait National Petroleum Company.
<b>Activity :</b>	Piping-440000 INCH DIA, Structure Steel-6000MT.

## Roles and Responsibilities:

- Spearheading Piping/mechanical activities, acting as an Engineer In-charge of plant erection in coordination with Civil, Electrical & E&I Department.
- Updating project schedules, ensuring completion of activities as per schedule
- Maintaining regular estimates of the cost-to-completion and time-to-completion
- Monitoring progress, risks and opportunities and reporting the same to the Project Manager / Sr. Construction Manager in a timely manner
- Coordinating with client and subcontractors for weekly progress meetings
- Analyzing the structural/piping & equipment erection plan with all JSA
- Leading the contract management ensuring that the issues are resolved within time.
- Addressing the manpower requirements, supervising the performance of contractors and adhering to the safety precautions laid for the construction workers.
- Providing on-the-job training for staff including contract administration, quality control, construction and monitoring & evaluation.
- Executing construction activities- erection of **Field/Equipment piping** (17000 INCH DIA) and **steel structure(6000MT)** in units 310 boiler steam generation unit, hydrogen reformer unit 98,99 at area#1 under TTSJV at BAPCO coordinating with subcontractors (M/s; Modern, Syme, EXI, Asilon, Altrad, Tech-steel).
- **Static equipment erection** of boiler, air duct, gas duct, economizer, id-fan, stack.
- Preparation of the associated documents like WMS, Risk Assessment and Rigging plans and getting the approvals from the client.
- Coordinating with the client on a regular basis for clearing off any technical queries and fulfilling any requirements for carrying out the construction activities at site.
- Preparation of progress reports, measurement sheets for invoicing and submitting to the QS/Planning Engineer.
- Reporting to the Construction Manager and led a total team comprising subcontractor manpower with their direct reports (Supervisor).
- Executing installation of **refractory and castables** work inside hydrogen reformer and steam boiler.

- ◆ **5 years with Naser M. Al-Baddah & Partner Gen. Trdg. & Cont. Co. WLL, Kuwait. Engineer - Piping Erection and Structure.**  
(Dec 2015: 31 to 30 Dec 2020)

**Growth Path:** Joined as Jr. Engineer - Mechanical and rose to the position of Engineer: piping /structural- Engineer. Performed duties of piping /structural- Engineer, working under Mechanical Dept. for the Oil & Gas construction project (Clean Fuels Project) under JGSK in KNPC.

<b>II . Project Title</b>	:	0-6798-Z-3100-005 General Construction Works (Brownfield, Brown Revamp) Clean Fuel Project (CFP), MAA Refinery.
<b>Period</b>	:	Dec 2016 - Dec 2020
<b>Position</b>	:	Project Engineer-Piping.
<b>EPC</b>	:	JGSK (JV)
<b>Owner</b>	:	Kuwait National Petroleum Company.
<b>Activity</b>	:	Piping-440000 INCH DIA, Structure Steel-6000MT, Equipment Erection-9000 MT.

### Roles and Responsibilities:

- Executing construction activities of erection of Pipe Rack and Equipment structures and piping in units 186,229,161,153,329 under JGSK at Mina Ahmadi Refinery, KNPC.
- Preparation of the associated documents like WMS, Risk Assessment and Rigging plans and getting the approvals from the client.
- Coordinating with the client on a regular basis for clearing off any technical queries and fulfilling any requirements for carrying out the construction activities at site.
- Preparation of progress reports, measurement sheets for invoicing and submitting to the Planning Engineer.
- Monitoring day-to-day activities at site and setting up production targets on the basis of work front, reporting to the Construction Manager.
- Reporting to the Construction Manager and led a total team of 150 - 200 people (depending on work front) with 4 direct reports (Supervisor).

<b>I . Project Title</b>	:	Mechanical Works for New Acid Gas Removal Project, MAA Refinery
<b>Period</b>	:	Dec 2015-Dec 2016
<b>Position</b>	:	Jr. Engineer-mechanical
<b>EPC</b>	:	Tecnimont
<b>Owner</b>	:	Kuwait National Petroleum Company
<b>Activity</b>	:	Piping – 400000 INCH DIA

### Roles and Responsibilities:

- Acted as Leading Jr. Engineer In-charge for project management and construction
- activities for all field piping
- Planned, developed and organized the construction effort to formulate the most
- cost-effective plan to timely completion within budget
- Ensured adherence to quality standards for all construction related activities, in
- compliance with design specifications, drawings, budget and schedule
- Identified project related risk and opportunity in all aspects of construction
- management, and implemented mitigation measures where applicable
- Adhered to Company Safety Standards and promoted safety culture
- Followed up with subcontractors to achieve monthly target qty.; reviewed weekly
- & monthly plan v/s achieved qty., and took required corrective action.

### Projects Handled:

#### Revamping project:

- As Project construction Engineer, execution of the following activities was successfully done attracting client appreciation and acclamation:
- Activities/Piping (including structural erection and allied civil works) of CFP-MAA plant of Naphtha Reformers during their construction, new unit (revamping project).
- Fabrication and erection of Pipelines associated with sulfur recovery units.
- Erection activities of pipe rack and heater stack in FCC units and distillation units.
- Erection of support structures for the modified piping of the Reactor.

- Project engineer for Fabrication and Execution of the erection activities of air compressor and dryer skid unit piping.
- Project engineer for the execution of Demolition of existing compressor and piping, Fabrication and Execution of the erection activities of pipelines and supports for percolation air compressor unit piping in
- Construction Engineer for the execution of fabrication and erection of platforms for equipments in CFP -MAA-Gas Liquefaction Units, the erection of Aqueous Ammonia makes up line to the Chemical Dosing Tank through Utilities plant

#### **Modernization Projects:**

- Project planning, Fabrication, preassembly and transportation of stackers, support structures (1400 MT) of KNPC, for KUWAIT-MAA Phase-2.
- Actively involved in all aspects of the project involving project planning, execution of fabrication, dealing with the client, transportation by preparation of packing lists, shipping documents arranging third party logistic support.
- Fabrication and preassembly of Fluorinated Alumina Silo support structures.
- Fabrication, thermal insulation of exhaust stack, silencer duct.
- Modification of structures, CS pit tanks for CFP Project of KNPC KUWAIT for JGC.
- Fabrication of pipe spools for water line CFP Project of KNPC MAA-KUWAIT for JGC.
- Additional Fabrication, preassembly of stackers, support structures as per discrepancy related to piping support.

#### **Trainings:**

- H2S Gas Awareness & Escape
- Self-Contained Breathing Apparatus
- Industrial First Aid
- Incident Investigation & Reporting
- Gas Tester
- Permit to Work–Signatory
- Environmental Awareness

#### **TECHNICAL PURVIEW**

- Knowledge in Inspection of piping/structural/mechanical Fabrication, Erection, Welding, Refractory Installation.
- 3D modeling software SOLID EDGE, MS OFFICE, MS Project, Basics of Primavera 6.
- AutoCAD
- Engineering Codes and Standards like ASME B31.3/B31.1 -process piping/Power piping.
- Detailing the drawings like P&ID, equipment layout, plot plan, piping layout, piping isometrics. etc.
- Piping stress analysis using solid edge.

#### **PAPERS PRESENTED**

- The Design of air cooler using Peltier effect at college as part of final year project submission.
- SEMINAR-Drilling oil well using Pulsed water jet with bionic nozzle as part of university curriculum.

## ACADEMIC DETAILS

2012-15  
2008-11



B. Tech in Mechanical Engineering from University of Calicut.  
Diploma in Mechanical Engineering, SRGPTC-Tripurayar Kerala.

Exam Passed	% of Marks/CGPA	Year of Passing	Board/University
<b>B. TECH</b> with core specialization in <b>mechanical engineering</b>	7.25	2012-2015	Calicut University
<b>DIPLOMA</b> in <b>mechanical engineering</b>	73.84%	2009-2011	Department of Technical Education
<b>PLUS TWO</b>	73.16%	2008	Central Board of Secondary Education
<b>SSLC</b>	86.71%	2006	General Education department

## EXTRAMURAL ENGAGEMENTS & ACCOLADES

- Consolidated Permit to Work permit awareness Training (CPW) valid till 24 jan-19.\*Passed the written exam.
- Served as an under officer NCC 24 (K) Battalion, SRGPTC Tripurayar-Thrissur 2009-2011.
- Paper presentation contest "Avega Tech 'n Talk- 15", organized by Mechanical Engineering Students Association Mets School of Engineering, Thrissur
- Acknowledged as:
  - ★ Senior cadet in the academic years ,2009-2011 C&B-certificate.
  - ★ School leader during the academic year 2005-2006.

## PERSONAL DETAILS

Nationality : Indian  
Sex : Male  
Marital Status : Married  
Date of Birth : 13<sup>th</sup> July, 1990  
Passport Details : V1017113 (valid till 29-04-2031).  
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E-mail id : ✉rajeevtraveendran.id@outlookl.in  
Linked In : <https://kw.linkedin.com/in/rajeev-raman-t-r-27757b117>  
Languages Known : English, Hindi, Malayalam, Tamil, Telugu

## REFERENCE

- Mr. 신태승 (Eike Shin)/KNPC CFP/SKEC CONSTRUCTION ENGINEER-STRUCTURAL. [eike.shin@sk.com](mailto:eike.shin@sk.com)
- Mr. Sajan Valayil Mathew/KNPC CFP/[SKECmathew@partner.sk.com](mailto:SKECmathew@partner.sk.com) ;Naiju Varghese/KNPC CFP/SKEC CONSTRUCTION SUPERVISOR [naiju@partner.sk.com](mailto:naiju@partner.sk.com) .
- Mr. 김정현 (KIM JUNG HYUN)/KNPC CFP/SKEC [kimlife80@sk.com](mailto:kimlife80@sk.com) , [jhkim-m@sk.com](mailto:jhkim-m@sk.com)
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- Mr. Sreenivas Jetty (OM-STs) [Srinivas.j@stsoman.com](mailto:Srinivas.j@stsoman.com).