

SALIM JOHN

CIVIL ENGINEER

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PROFESSIONAL SUMMARY

Civil Structural Engineer with nearly 20 years of progressive experience in EPC and PMC roles across major oil & gas, refinery, gas processing plants, marine, and infrastructure projects. Proven expertise in supervising civil construction, geotechnical investigations, utility installations, road and pavement works, and inspection of concrete, structural steel, fireproofing and architectural finishes. Skilled in resolving interdisciplinary conflicts, and ensuring contractor compliance with HSE, QA/QC, and refinery protection standards. Demonstrated ability to manage hook-ups to existing systems, supervise equipment alignment and elevations, and ensure smooth integration with refinery operations. Technically proficient in AutoCAD, STAAD Pro, MS Project, and well-versed in regulatory frameworks, construction method statements, and PTW systems. Consistently delivers on-time, compliant, and cost-effective civil packages through hands-on supervision, detailed review, and stakeholder coordination.

PROFESSIONAL EXPERIENCE

Senior Civil Structural Engineer

Brunel Oil & Gas WLL – Seconded to QatarEnergy, Qatar - Apr 2021 – Dec 2024

- Attained 100% on-time design review acceptances for North Field East, RLPP, and Ras Laffan EPC packages through spearheading interdisciplinary coordination and technical compliance verifications.
- Assist and supervise all Civil, Mechanical & E&I related activities which includes area allocation for temporary facilities (TSF), material inspections, Earth works & RCC works, Road crossing works & traffic management plans (road closure, ROW, HDD, Microtunneling etc.), Pavement works & Signages, Utility installations, Equipment /foundation alignment check, Structural Bridges (Pipe bridges),PTW approvals etc.
- Supervised soil investigations and topographical & geotechnical surveys during early works and EPC tendering, ensuring accuracy in design and grading works.
- Reviewed and verified site survey benchmarks, new bench marks and topographic layouts to support precision in alignment and elevation during construction.
- Oversaw all utility installations such as FOC, potable water/fire water/sewage/drainage systems and their integration with existing stakeholder systems.
- Determining feasibility of designing new structures or modifying existing structures considering costs, space & time limitations, analysing engineering proposals, requirements, and related technical data pertaining to design as well as construction.
- Performing detailed site inspections to evaluate construction progress, offering construction guidance and support to maintain compliance with design specifications & safety standards.
- Compiling comprehensive reports and presentations for senior management, summarizing project progress, challenges faced, and actionable recommendations for enhancement.
- Guiding junior engineers and interns, promoting a collaborative learning atmosphere that enhances professional development.
- Ensure all Civil/Structural work construction activities are achieved within schedule and comply with health, Safety, Environmental and Quality requirements and address any deviations if any. Ensure, progress of work as well as modifications of works if any as per approved drawings which impact the cost and time, check any activity/work delayed due to lack engineering drawings/materials and report and resolve the same.
- Led HAZID/HAZOP studies, conducted daily safety walks, and enforced compliance with HSE protocols to minimize risks and address deviations proactively. Conduct risk assessments and toolbox talks.
- Ensured timely closure of punch lists for buildings, utility installations, camp facilities works etc.
- Ensured protection of existing plant infrastructure and utilities during civil works and collaborated with refinery operations for safe execution of utility interfaces and tie-ins.
- Work closely with Quality Assurance teams to inspect and document completed work, ensuring it meets project specifications and quality standards.
- Supervised fireproofing applications and verified conformance to project specifications and standards.

- Inspection of building works – Architectural, Structural, painting, flooring (Epoxy coating), landscaping, fire and safety requirements and HSE requirements etc.
- Reviewed civil and architectural material submittals, ensured material compliance with project specifications, and participated in MIR inspections.

Major Projects.

- *Engineering review and approval for North Field East & North Field South Projects (EPC1, EPC2, EPC3, EPC4, RLPP), EPCOL Project Offshore, Cooling Water Phase 3 Project, Solar Farm PV Cells Installation.*
- *New WWTP project, Ras Laffan Port and Container terminal Projects including major & minor end user projects in Ras Laffan.*
- *Ras Laffan Petrochemicals Project*
 - Utilizing feedstock from North Field Expansion (NFE) project, Barzan and others.
 - Ras Laffan Industrial City, Lot E3/E4 (176 hectares Greenfield Site) with access to/from RLIC container port and construction of Polyethylene and Ethylene production Plants.
 - Ras Laffan container Port Expansion.

Civil Structural Engineer

Bilfinger Tebodin, Oman - Sep 2011 – Sep 2019

- Successfully led and delivered EPC and PMC projects for clients including Oman Gas Company (now OQ), Orpic, and OCEP, covering pipelines, utilities, and refinery infrastructure across Oman.
- Supported PMC responsibilities during secondment to OQ, ensuring project execution adhered to contractual requirements, design specifications, and HSE protocols.
- Executed and supervised major civil packages including:
 - 3.5 km RCC three-tier pipe rack and 2.5 km steel bridge modification (Central Service Corridor)
 - 30 km asphalt road, stormwater and utility drainage networks
 - Marine structures including quay wall, breakwater, and outfall channel
- Oversaw utility installations such as FOC, potable/fire/sewage/ water networks/drainages and their integration with existing stakeholder systems.
- Delivered conceptual and detailed engineering for infrastructure and facility upgrades, including LPG tie-ins, seawater supply (135 km), stormwater systems, green admin buildings, and C4 to MOGAS conversion.
- Directed vendor document reviews, structural design validations, and ensured vendor equipment specifications aligned with design and budget requirements.
- Reviewed topographic layouts, civil/structural plans, and excavation drawings for foundations, substations, pump stations, and shelters.
- Played a key role in subcontractor management, reviewing execution plans, validating latest IFC documents, raising RFIs, and resolving site conflicts.
- Coordinated across civil, mechanical, and E&I disciplines to resolve 80+ design and site clashes, ensuring constructability and smooth project progression.
- Led daily safety walks, toolbox talks, and enforced PTW, JSA, and HAZID/HAZOP compliance, contributing to a strong safety record and 35% reduction in unresolved HSE observations.
- Ensured timely closure of punch lists, NCRs, and readiness for project commissioning and handover.
- Integrated existing systems and modified versions including access control, fire & gas, CCTV, LAN, and biometric systems across refinery facilities.
- Assisted mechanical discipline in verifying equipment elevation and alignment checks.
- Inspected steel structural works including bolt connections, alignment, and fit-up, fireproofing, coating, and refractory inspections (Sohar Aluminium) if any.
- Coordinated daily with stakeholders, EPC contractors, and discipline leads to track civil progress, resolve interface issues, and ensure timely project delivery.
- Maintained and monitored 90-day look-ahead schedules, optimizing material use, manpower, and task sequencing to boost site productivity and reduce delays.

Major Projects.

Secondment through Tebodin to Oman Gas Company Currently OQ Oman – PMC Position.

- Salalah LPG Project (Extraction & Fractionation of LPG) and Central Service Corridor Project.
- Engineering and Construction supervision of RCC 3 tier Pipe Rack 3.5 Kms and modification of existing steel bridge 2.5 Kms as part of Salalah LPG Project.

- Construction and supervision of 30 Kms. Two Lane Asphalt Road as part Salalah LPG Project.
- Installation of all utilities including FOC, Potable Water, Sewage Water, Fire Water, New Installation of new utilities ,rerouting and modification of existing utilities ,Portable Water Line and Associated works including tie-in to existing stakeholders & users.
- Construction of Quay Wall, Breakwater and Outfall Channel.
- Attend all meetings related with Construction Civil works activities.
- Prepare punchlist and issue to Contractor and follow up the completion of relevant outstanding works.
- ***Secondment through Tebodin to OOCEP & OGC (Oman Oil Company Exploration and production LLC & Oman Gas Company S.A.O.C – PMC Position).***
 - Ad Duqm 36” Pipeline Project
 - Salalah IPP2 Gas Supply.
 - Construction supervision for Wellhead & Well Pad, Evaporation Ponds, Water Treatment Plants, Airstrip, Helipad, Rotary Equipment Foundations, Camp Facilities.
 - Preparation of Engineering packages which includes scope of works,MTO,Layouts etc.
- ***PMC for Work Environment Project, Orpic-Sohar Refinery (Green environment buildings).***
 - Orpic Oman - Redesign and Construction of administration buildings, Canteen & Polypropylene Admin Building to convert into Training Center in Sohar Refinery (Orpic) to embrace open space work environment (Green environment).
 - Redesign and modifications on the existing warehouses.
 - Integration of existing above ground and underground facilities like Paging System, Access Control, Fire & Gas System, Communication, fire/sewage/water, CCTV, LAN Panels, Network Facilities with Power Supply, Biometric Systems, so on.
- ***EPC for Coil coating line Project - OARC***
 - Foundations for Pre Engineering Building Structures, Natural Gas Reducing Stations, Equipment foundations, pump foundations, Fire-fighting Equipments, Air Compressor Package Equipments, Cable Pits, Duct Banks etc.
 - Modification of existing Administration Building, Guardhouse, Landscaping and Land Development based on the survey and topographical details of the area and surroundings
 - Internal roads for refinery, installation of streetlights, signage road markings based on Oman Highway Design standards.
 - Design and construction of Storm Water Channel, Collection Pond based on data provided by Meteorological depts.
 - Modular Weigh Bridge, Sump, Valve Pits, Hazardous Waste Area, installations of Light Poles, Electrical Panels, Pipe Supports etc.
 - Seawater Supply Project in Sohar Refinery, OQ, Oman – 135 Kms.
 - LPG Tie Project in Sohar Refinery, OQ, Oman
 - Modification of Liquid Jetty at Sohar Port.
 - Diversion of Cooling Water from outfall to sea (for OMIFCO S.A.O.C)
 - Construction of New Liquid Jetty at Sohar Port for Oil Tanking & Terminals Co. LLC.
 - Seawater Intake Pumping System – Phase-2 at Sohar Refinery
 - Design of Transfer Stations/Sewage Stations for OESHC at SUR.
- ***Modification of:***
 - Existing Steel Bridge to carry additional 32” GRP lines to the Cooling Plant.
 - Existing roads based on refinery standard and Highway specifications.
 - Existing RCC & Steel structures at MAF (Mina Al Fahal Refinery), OQ, Oman.
 - New Water Reservoir and Pumping Station for Sohar Municipality.
- ***EPCC Call off service (5-year contract) for OQ, Oman***
FEED and Detail Engineering Services and construction assistance for the plant locations at Mina Al Fahal, Sohar Refinery, Aromatics plant, and polypropylene plant and Raysut Terminal at Salalah. This package includes design and detailing of equipment foundations, pump foundations, transformer foundations, pipe supports, pipe sleepers, pipe racks, pipe bridges, culverts, Modification of existing topography and land development, modification and rerouting of roads and signage, utilities etc.
 - MTBE Export – Import facility project at Sohar Refinery.
 - DE salter Improvement Project at MAF
 - FEED for 24” effluent line at MAF

- Flare metering modification project at MAF
- FEED for Debottlenecking of Morphyllane unit in Aromatic plant.
- Chemical storage & operator shelter Sohar & MAF refinery
- DD for Gulftronic Bucket strainer & Filter project
- DD for Installation on new pumps P-2201A/B
- Modification of Platform for MOV access at Aromatics Plant.

Civil Structural Engineer

Jayathe Petrotech Consultants & Engineers, India, Feb 2008 – July 2011

- Involved in conceptual design stage onwards through basic engineering, detailed design, construction support, site assistance for the expansion packages of upstream facilities
- Interact with clients, contractors and government bodies etc. regarding the preparation of scope of work and technical requirements.
- Review and approval of deliverables submitted by engineering and EPC contractors.
- Implement a quality, progressive and safe working habit and monitor projects on daily basis.
- Ensure works are carried out as per specification and drawings.
- Attend periodic progress meetings, Quality assurance meetings to discuss any proactive and preventive measures to maintain a smooth execution of scheduled activities.
- Coordinate with other personnel in-charge for other disciplines.
- Review and approve shop drawings, construction materials etc.
- Closely monitoring site activities to ensure quality of work complies with contract requirements and good construction practice.

Major Projects:

- Raydan Compressor package – SEPOC Yemen
- Raydan-CPU 16” new gas pipeline project – SEPOC Yemen.
- Conversion of C5+ recovery plant to LPG Mode - SEPOC Yemen.
- Construction of sewage lifting & pumping station.
- Modification of Waste Water Treatment Plant, Aldar- Abu Dhabi, U.A.E
- Natural Gas Transmission and Distribution Supply to Yas Island (Pipeline Project)
- Petrodar Operating Company-SUDAN, Gumry Field Surface Facility Project (Pipeline Project)
- Kuwait Oil Company (K.O.C.)-KUWAIT, Upgrade Effluent Water/Oily Water Transfer System
- Petro-Energy E&P Co. Ltd. – SUDAN, Tie in to BV2 of GNPOC Pipeline Project
- ONGC – INDIA, Effluent Treatment Plant.

Structural Engineer

Geo Strucurals, India, Feb 2007 – Jan 2008

- Carrying out engineering design and supervise construction part of the projects including planning, Execution, inspection & quality control.
- Ensure all works are carried out as per specification and drawings.
- Attend periodic progress meetings, Quality assurance meetings to discuss any proactive and preventive measures to maintain a smooth execution of scheduled activities.
- Coordinate with other personnel in-charge for other disciplines.
- Prepare proposals for any variations/change in scope of work.
- Estimate quantities and cost of materials and equipment and labor to determine project feasibility.
- Provide technical advice and recommendations on design, construction, modifications and structural repairs.
- Closely monitoring site activities to ensure quality of work complies with contract requirements and good construction practice.
- Ensure all work has been engineered and executed in safe manner.
- Co-ordinate various finishes activities like plaster, screed, flooring & painting works etc.

Major Projects:

- Design & Construction of Collectorate Building (G+3), Cochin, India
- Construction of warehouse for TATA Motors, Cochin, India
- Construction of multistoried Apartment for Noel Group (G+12), Cochin, India
- Construction of multistoried Apartment for Desai Homes (G+10), Cochin, India
- Construction of Abad Plaza Hotel (G+5) for ABAD Group Cochin, India.
- Construction of Bell Tower for Vallarpadm Church, Cochin.

Site Engineer/Asst.Engineer
Public Works Department – Kerala State Transport Division
India, Dec 2004 – Jan 2007

- Worked as Site Engineer /Asst.Engineer at Kerala state Transport Project (KSTP-PWD), World Bank assisted project of heavy maintenance and up-gradation of selected state highways of Kerala ,India(200 Kms)
- Duty involves land acquisition, survey, estimation, Valuation, Quality control, construction supervision of road and installation of utilities, verification of measurements by contractors, Conducting district level purchase meetings, etc.
- Works with the consultants and subcontractors to manage and direct overall planning of construction activities to identify critical milestones and priorities.
- Setting out works check whether the proposed works are well within PWD land.
- Taking and recording measurements and assisting in check measurements
- Supervising the work progress and taking steps to remove bottlenecks if any
- Keeping close watch of departmental works and taking necessary steps for ensuring the effective execution of all works.
- Survey, investigation and collection of data necessary for the existing road maintenance works.
- Preparing preliminary and detailed estimates and reports for new and maintenance works and ensure its correctness and adequacy.
- Arranging lifesaving actions in case of an emergency to protect life and property.
- Preparing and submitting valuation report of building and structures as required.
- To obtain the opinions of the concerned department/local body about choice of site and features required for the works.

Graduate Apprentice (Trainee – Civil)
Kitco Ltd, India, May 2004 – Dec 2004

- Worked as Graduate Engineer-Trainee which includes design, detailing, quality control, site execution etc - Supervision including quality control at project site of Multi-Specialty Kochi General Hospital.

SKILLS

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| • Project Execution & PMC Support | • Utility Network Installation (FOC, Fire/Sewage/Portable Water) |
| • Site Construction Supervision | • Infrastructure Design (Roads, Utility Lines) |
| • Stakeholder Engagement & Coordination | • Civil/Structural Modifications & Retrofitting |
| • HSE & Quality Management | • Structural Design & Detailing |
| • Risk Management | • Cost, Effort & Man-hour Estimation |
| • Construction Permitting & Regulatory Compliance | • Feasibility Study & Planning |
| • PTW, JSA, and Method Statement Implementation | • Report Writing & Technical Documentation |
| • Punch List Management & Closeout Reporting | • AutoCAD 2D STAAD Pro Civil 3D Navisworks |
| • Cross-disciplinary Coordination (Civil, Mechanical, E&I) | |

EDUCATION

- M.Tech. in Structural Engineering from Manipal University (MAHE), Manipal, India | 2003
- B.E. Civil Engineering from Mangalore University, India | 2000

TECHNICAL SKILLS

- Advanced Structural Analysis Software (e.g., STAAD Pro) | AutoCAD Civil 2D

PROFESSIONAL AFFILIATIONS

- Member of Institution of Engineers, India.
- Chartered Engineer, India