Senior Civil & Structural Designer

M. Mohamed Riswan
riswangptcivil@gmail.com
Mobile No: +971-529934450 (UAE)
Mobile No: +91-8220238399 (India)

Software Skills:
S3D – Smart3D.
PDMS.
PDS.
MicroStation.
AutoCAD.
Civil3D.
MAT3D.
Navisworks.
Smart Plant Review.
MS-Office.

Educational Qualification:
Diploma in Civil Engineer (DCE) – 88.79%.
Government Polytechnic College- Trichy,
Tamil Nadu, India.

Summary of Experience:

Overall 15+ Years Full time Experience as a Senior Civil & Structural Designer in the field of Oil & Gas, Power Plant and Refineries, Experience in Offshore and Onshore projects (Brown field and Green field) and at Home Office Assignment.

Experience in Onshore Projects - 15+ Years.
Experience in Offshore Projects (Well Head) - 6 Months.

Industries Outline:

- China Petroleum Pipeline Engineering Corporation - Abu Dhabi.
- Penspen International Limited - Abu Dhabi.
- Worley Parsons resources & energy - Abu Dhabi.
- JP Kenny - Abu Dhabi.
- Gulf Spic General Trading & Contracting Company - Kuwait.
- Technip India Private Limited - Chennai.

Roles and Responsibilities: -

- Prepared deliverables as per Project specification and Design Basis.
- Prepared deliverables as per 2D drafting /3D Modelling procedures and issued as per scheduled.
- Prepared 2D deliverables by extracting from 3D Model supporting tools, Smart Sketch, PDMS Draft and MicroStation.
- 3D Modelling work done in S3D, PDMS, PDS as per projects requirement. Participated and support provided in 30%, 60% and 90% model reviews and the model review tag points closed as per scheduled.
- Prepared MTO for Steel and Concrete structure in-line with the issued drawing.
- Prepared Bar Bending schedule for Reinforcement drawing.
- Vendor/Upstream discipline drawings are reviewed, and comments provided from drafting/modelling point of view.
- Coordinated with upstream discipline for inputs, and if any clarification on inputs and 3D model clashes was discussed with the concern discipline and sort outed.
- Based on Topo survey drawings, site preparations and site grading drawings with cutting and filling quantity prepared by using Civil 3D software.
- Provided support to engineers for generating MAT3D by doing workspace setting as per Geo-tech report and prepared footing /pier geometry with node numbers and will paste the load cases as per stress/vendor loads and load combinations as per projects for foundation sizing.
- Had a site visit (ADNOC site Bu Hasa CDS, RDS & NGIP plant and BAB Compressor station CS-3 & CS-4) to collect data from the site for brown field projects.
- Led efforts across translating the hand sketches and site surveyed data into an organized drawing and made it presentable for implementation & also updating of As Built drawings as per site survey markup.
- Liaison with the project staff in finishing the project within time deadlines.
- Knowledge in ADNOC onshore/offshore, Saudi Aramco, Shell, KOC & KNPC Specification and Standard.

Experience In Deliverables	
In Layout drawings: -	Civil General Arrangement Layout. Site Preparation Layout. Site Grading Layout. Road and Fence Layout. Storm Water drainage Layout. UG service Layout. Overall Foundation Layout.
Standard drawings for: -	Anchor Bolt, Handrail, Grating, Staircase, Fireproofing, Ladder & Steel Connections. Road, Fence, RC Paving, Fence Gate, Road markings & signage. Drainage Ditch, Drainage Collection Pit, OWS/PCSW manhole, Clean Out, Catch Basin & Joint Box with Sand Trap. Fixed/Removable Crash/Protective Sand barrier & Bollard.
In Concrete Structure: -	General Notes for Earthworks as per project/company specifications. General Notes for Concrete as per project/company specifications. Pipe Rack, Platform, Cross over, Pipe Support and Pipe Sleeper foundation. Skid's, Pump's, Shelter's, and Package's foundation. Horizontal and Vertical Vessel Foundation. Scraper Launcher & Receiver, Jib Crane foundation. Tank's Ring Wall Foundation and Bund Wall detail. Solar panel, Air Cooler and Compressor foundation. Flare/Vent stack and Telecom Tower foundation. Passive and Active cooling shelter foundation. Seawater Intake well, Retention Pond and Impact wall. Emergency Diesel Generator, Diesel Tank, Load Bank, Switch Gear foundation. Light Pole, CCTV and Windsock foundation. Junction Box, Sump Pit, Concrete Trench, Weir chamber, Culvert & Pipe Road Crossing. Anchor Block, Thrust Block, Retaining Wall, Septic Tank and Burn Pit. Loading Bay Foundation. Crude Heater Exchanger, Hot Oil Heater, LP Test Heater, and Wash Water Pre Heater-Foundation. Hot Oil Package (Expansion Tank Support, Hot Oil Circulation Pump, Purge Air Fan Foundation, Pump Piping Skid, Knock out Drum, Dry Tank Sump, and Fuel Gas Skid) Foundation. Fire Wall, Transformer foundation & Transformer pit. Concrete, Concrete protection, Rebar, Excavation, Backfill, Lean concrete & Grout MTO.

In Steel Structure: -	General Notes for Steel as per project/company specifications. Pipe rack, Pipe Bridge and Pipe Support structure. Valve Operating Platform, Cross Over and Circular Platform structure. Horizontal and Vertical Vessel access Platform. Loading Bay structure, Expansion Tank Support structure. Warehouse, Air cooler structure, Compressor Shelter structure, Pump Shelter. Cable tray support and HVAC duct support structure. Steel Tank Access Platform and stairs. Moment, Shear, Gusset, Base Plate connection details. Fabrication and Erection drawing for all steel Structures.
In Building Drawings: -	Architectural Floor Plan, Roof Plan, Elevations and Sections drawings for Electrical Substation, Control Room Building, Instrument Satellite Building, Instrument Telecomm Room Building, Mosque Building, Laboratory Building, Gate House and Guard house Buildings. Doors and Windows schedules. Floor, Wall and Roof Finishes schedule and Sections detail. Raised Floor, False Ceiling, Cable trench, Panel Supports detail. Formwork and Reinforcement detail for Column, Foundation, Cable Cellar, Plinth beam, Grade Beam, Grade Slab, Floor Beam, Floor Slab, Roof Beam and Roof Slab Layout and details.
In Offshore structure: -	Jacket Framing Plan & Connection details. J-Tube and Riser GA & Clamp details. Jacket Lifting Trunnion Details and Jacket Anode Details. Stairs General Arrangement Plans & Elevations. Boat Landing with Ladder, Bollards General Arrangement, Elevation& Sections. Jacket Fender and Riser Fender General Arrangement, Elevation& Section Details. Equipment Support, Vent Boom and Circular Platform. Monorail General Arrangement Plan & Section Details. Plating & Grating Support Secondary Framing Plan. Jacket strengthening details.

Employer:		**China Petroleum Pipeline Engineering Corporation (CPPE) – Abu Dhabi.**
Designation:		Senior Civil & Structural Designer.
Duration:		May -2016 to Till Date (Nearly 7+ years).
Project Title	:	Mirfa Plant Modification and Pipeline Project- EPC Work
Client	:	ADNOC Gas Processing.
Project Title	:	EPC For Bab Gas Compression Project (BGCP) Phase III
Client	:	ADNOC Onshore.

Project Title	:	Sales Gas Pipeline Network Enhancement Project-Feed Services
Client	:	ADNOC Gas Processing.
Project Title	:	Call-Out Works Contract for ASR Gas Tie-Ins in Bab (Package-2).
Client	:	ADNOC Onshore.
Project Title	:	ADNOC Onshore – Batch III PMRFs – Bu Hasa.
Client	:	ADNOC Onshore.
Project Title	:	EPC for ASAB Phase-II Stage 1 Project
Client	:	ADNOC Onshore.
Project Title	:	Master Gas System Expansion Phase 2 Compression - (BGCS-5).
Client	:	Saudi Arabian Oil Company.
Project Title	:	RAS MARKAZ Crude Oil Park Project (Phase-1)
Client	:	Oman Tank Terminal Company L.L.C.
Project Title	:	West Qurna I Project Produced Water Pipelines Project.
Client	:	ExxonMobil Iraq Limited.
Project Title	:	Connection of Downstream Customers along the Newly Constructed Natural Gas Transmission Pipeline Project.
Client	:	Tanzania Petroleum Development Corporation (TPDC).

Employer:		**Penspen International Limited – Abu Dhabi.**
Designation:		Civil & Structural Designer.
Duration:		Dec 2015 to April 2016 in Short Term Contract (4 Months).
Project Title	:	E.P.C. for the FAO Pumping Station AL FAW – Basrah, Iraq.
Client	:	SiirtecNigi (SiNi).

Employer:		**Worley Parsons resources & energy – Abu Dhabi.**
Designation:		Civil & Structural Designer.
Duration:		March 2014 to December 2015 (1 Year - 8 Months).
Project Title	:	Rehabilitation of Iraq South Gas Project.
Client	:	Basrah Gas Company (BGC).

Employer:		**JP Kenny – Abu Dhabi.**
Designation:		Civil & Structural Designer.
Duration:		September 2013 to January 2014 in Short Term Contract (4 Months).
Project Title	:	New 24" Lean Gas Pipeline.
Client	:	Abu Dhabi Gas Industries Ltd. (GASCO).

Employer:		**Worley Parsons resources & energy – Abu Dhabi.**
Designation:		Offshore Structural Designer.
Duration:		March 2013 to August 2013 in Short Term Contract by Avenir INT'L Engineers (5 Months).
Project Title	:	UMM SHAIF –Riser Platform USMFT1.
Client	:	Abu Dhabi Marine Operating Company (ADMA).

Employer:		**Gulf Spic General Trading & Contracting Company – Kuwait.**
Designation:		Civil & Structural Designer.
Duration:		June 2009 to February 2013 (3 Years – 8 Months).
Project Title	:	New GC-16 in West Kuwait.
Client	:	Alkhorayef Group Company.
Project Title	:	Aromatics Complex Project HA Storage and Export at Shuaiba Refinery.
Client	:	Kuwait Paraxylene Production Company (K.P.P.C.).
Project Title	:	Replacement of Crude Transit Line from GC-09 TO CMM.
Client	:	Mechanical Engg. & Const. Co. W.L.L.
Project Title	:	JO/SC-162 - Clean & Recycle Oily Viscous Liquid (OVL) Services.
Client	:	Saudi Arabian CHERVON Inc. & Kuwait Gulf Oil Co (K.S.C).
Project Title	:	Facilities for Moisture Control & Dehazing Gas Oil of MAB Refinery.
Client	:	Kuwait National Petroleum Company (KNPC).
Project Title	:	Revamp of Potable Water Network in MAB Refinery.
Client	:	Kuwait National Petroleum Company (KNPC).

Employer:		**Technip India Private Limited – Chennai.**
Designation:		Trainee Civil Structural Draftsman.
Duration:		July 2008 to February 2009 (deputed by AccuSpeed engineering limited) (7 Months).
Project Title	:	Qatar Gas-II.
Duration	:	June 2008 to February 2009.

Personal Details: -		
Name	:	M. Mohamed Riswan.
Gender	:	Male.
Marital Status	:	Married.
Date of Birth / Age	:	17-August-1988. / 36.
Nationality	:	Indian.
E-Mail ID	:	riswangptcivil@gmail.com.
Mobile Number	:	+971-529934450 (Abu Dhabi).
Mobile Number	:	+91-8220238399 (India).

Declaration:

I hereby declare that all above particulars are true to the best of my knowledge and belief.

M. Mohamed Riswan.