

Oil & Gas Industry

Sarla Technologies has been serving the Oil & Gas industry for the past 18 years. We have executed more than 100 projects across various processes of Oil & Gas industry. We have gained rich experience across downstream processes and equipment used in Oil & Gas plants.

We have utilized our knowledge on Oil & Gas compliance systems to offer reliable engineering services to our customers. We have implementation know-how of various industry standards like Norsok, EU, BS, IEC, SIL, ASME & API for Oil & Gas industry. Our engineers are certified for OPITO, OSHA & HSE.



Our Experience on Various Systems, Processes and Equipment

| Offshore | Onshore | Pipeline & Transportation | Modules & Skids | Static Equipment |
|--|--|---|--|------------------------------|
| Offshore Platforms | Oil / Gas Gathering Stations (OGS/GGS) | Compressor & Metering Station | Chemical Injection Systems | Pressure vessels |
| Jack up Rigs | Early Production Facilities – (EPF) | Pump Station | Metering Systems | Heat, Shell & Tube Exchanger |
| Mobile Offshore Production unit (MOPU) – FPSO, Semisubmersible | Refinery Units | Pig Launcher /Receiver | Clean in process skids | Air Cooled Heat Exchanger |
| Mobile Offshore drilling unit (MODU), | Petrochemicals facilities | Pipeline Control Room | Fire & Gas Modules | Hairpin Exchanger |
| | Tank farms / Terminals | Terminal Automation (Truck, Rail, Ship) | MEG/TEG Modules | Finned Tubes |
| | | | Air Separation and Hydrogen Generation Units | Boilers |

Services and Solutions Portfolio

| Industrial Automation | Design Engineering | Software & IoT | Plant IT Solutions |
|---|------------------------------|--------------------------------------|---------------------------------------|
| Control System Engineering | Mechanical & Piping | Mobile & Software Application Design | MES Enablement |
| PLC, DCS, SCADA & HMI Application Development | Steel Structural Engineering | RFID, Barcode Integration | Overall Equipment Effectiveness (OEE) |
| FAT/ SAT | Electrical & Instrumentation | Driver Development | Paperless Manufacturing |
| Commissioning | Fabrication Detailing | Industrial Internet of Things (IoT) | Management Information System (MIS) |
| 24x7 Support | Analysis/ Simulation | Cloud & Data Analytics | |
| | As-Built Documentation | | |

Our Success Stories in Oil & Gas Industry

Complete Automation of an Offshore Platform for a Leading **Oil & Gas Company in Egypt**



Processes: Industrial Automation engineering for an offshore platform

Scope: Design Documentation, Function Design Specification, Graphics and logic development as per the CEM documents and Testing.

Hardware & Software: Emerson DeltaV SX & SZ Controller, SIS (Safety Instrumented System)

Designing of Chemical Injection Packages for Leading **Petroleum Major in UAE**

Processes: 3D Modeling of 33 Chemical Injection Packages in PDMS

Scope: Equipment design, Layout Engineering of Skids, Piping, Equipment and Structural Instruments Isometrics & Structural design

CAD Tools : PDMS, AutoCAD & Navisworks

Design Engineering of 3 Modular Packages at Leading **Oil & Gas Company in Asia Pacific**



Processes: Detailed engineering of 3 Big Modular packages: Sulphur Recovery & Gas Treatment unit, Produced & Sour water package units

Scope: 3D Modelling for Modules & Overall GA, Modules Equipment GA and Piping Layout Drawings

CAD Tools : PDMS, AutoCAD, Navisworks, STAAD.PRO, CAESAR II

Detailed Engineering of Tank Terminal Project for **Oil & Gas Company in Belgium**

Processes: Design and Detailed engineering of tank farm unit for 12 storage tanks

Scope: Piping, Pipe Supports - Spool drawings generation – With Field welds, Rack –Piping drawings

CAD Tools : AutoCAD, PDMS, STAAD.PRO, MicroStation

Our Value Propositions

Our Team's Strength

- Multidisciplinary engineering team
- Rich knowledge on Oil & Gas standards
- Automation Platform independent services
- Proven Global delivery model
- Geographically flexible resources
- State of the art infrastructure facilities

Our Customer's Gains

- Reliable & scalable engineering partner
- One stop shop services & solutions partner
- Technical expertise to execute global projects
- Free up in-house talent for priority work
- Reduce cost & increase business volume
- Confidentiality of information, systems & processes

Let's connect

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