



ori-occi
industrial associates

About Us

Ori-Occi Industrial Associates Private Limited (OIAPL), founded in 2013, provides Engineering consultancy services to a diverse range of industries in the global market, including Oil and Gas (Onshore & Offshore), Petrochemicals, Chemicals, Pharmaceuticals, Water treatment, and others. At OIAPL, we provide our customers solutions for both green-field and brown-field projects. Our customers gain benefits as a result of following strength of OIAPL

- Specialist management team in the field of expertise with two decades of industry experience.
- In-depth knowledge and expertise to provide wide range of solutions.
- A thorough grasp of the project from concept to completion.
- Compliance to international standards, specific company specifications, global industry & environmental norms and good engineering practices.
- Value Engineering with low man-hour expenses.
- Fast responsive & committed team and high rated customer satisfaction results in repeat customers

Why OIA

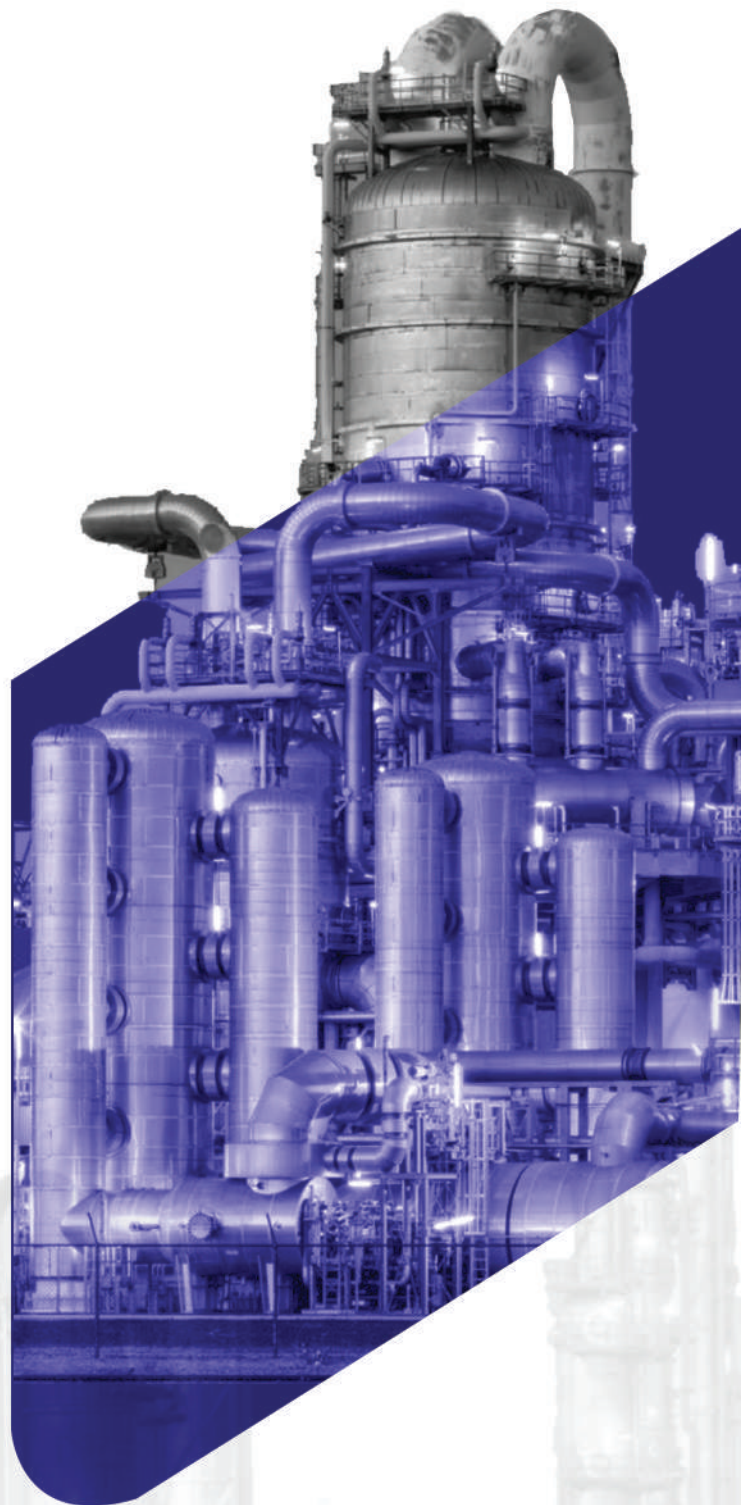
- Customer first attitude, resulting in an awareness of the customer's demands and a very flexible & adaptable approach to solutions.
- We adhere to industries established and proven quality systems & procedures, ensuring quality outputs.
- Customer benefits from competitive Man-hour rates and in turn minimise project costs.
- Highly skilled and dedicated team to reduce project time line.
- Technically skilled management team involvement in every project throughout the lifecycle.
- Mobilization of dedicated team at short notice.
- Flexible working time to match with time zone for global customers.

What We Do

We provide complete Engineering & Design services and solutions from Conceptual Studies (FEED) to Detailed Design for new industrial plants, revamps, scaling-up, and/or modification of existing facilities. Our team has extensive expertise in engineering, outsourcing, business transformation, and talent acquisition & staffing.

We have a proven track record of delivering innovative, cost-effective solutions for your Design engineering needs, including Detailed Engineering & Design of Oil & Gas Refineries, Offshore Platforms, Petro-Chemical Plants, Fertilizers, Power Plants, Water Treatment Plants, FMCG, Pharmaceutical, and other Industrial Plants. Our objective is to provide business services that add value to our customers by utilizing cutting-edge technology and software.

We employ the finest Engineering Design Practices and Technologies to assist our domestic and global customers in accomplishing the goal by meeting High-Quality Standards, whether for internal usage or for construction contractors.



**We follow through
on our commitments!**

Services

OIAPL provides range of services across the project lifecycle, giving client flexibility to choose from the following to meet their specific requirement.

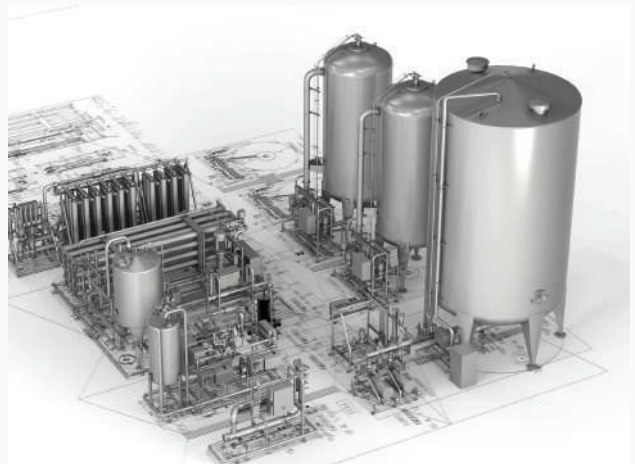
Detail Engineering

Ori-Occi Industrial Associates Private Limited (OIAPL) specialises and excel in detailed design engineering of high quality and cost-effective projects. Our team draws on a multidisciplinary skills base, with a decade-long track record of working on a vast range of energy projects, both offshore and onshore, by accomplished experts from the industry.

Listed below are our detailed engineering services:

Piping Engineering

We have over a decade of experience providing piping engineering designs, assisting EPCs in the oil & gas, process, pharmaceutical, fertilizer, and utility industries, as well as renewable energy and power industries, in crafting efficient piping solutions that are compliant with international codes and standards.



Equipment Engineering

Our team helps with the evaluation, design, analysis, and improvement of a wide range of complex engineering projects, including storage tanks, pressure vessels, towers, shell and tube heat exchangers, and more.

Civil & Structural Engineering

We offer the development of general infrastructure, massive civil engineering structures, and the building of structure designs for oil and gas refineries, petrochemicals, air separation units, and other similar plant facilities.



Electrical Engineering

Our engineering services team provides electrical system design and detail engineering for contemporary industrial units. It covers the creation of single line diagrams as well as requirements for electrical switchgear and equipment such as transformers, motor control centre, starters, and other components.

Instrumentation Engineering

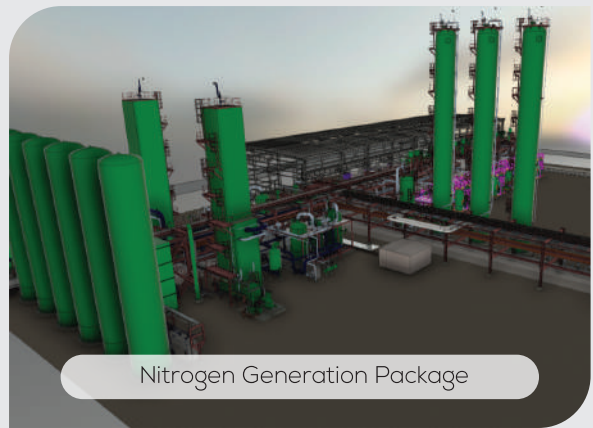
We are the ideal instrumentation and safety design partners for leading companies from diverse sectors to support plant upgrade or building newer installations. Our detail instrumentation engineering team helps implement the right instrumentation and safety systems to rectify possible challenges for both brown and greenfield projects.

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Reformer Package



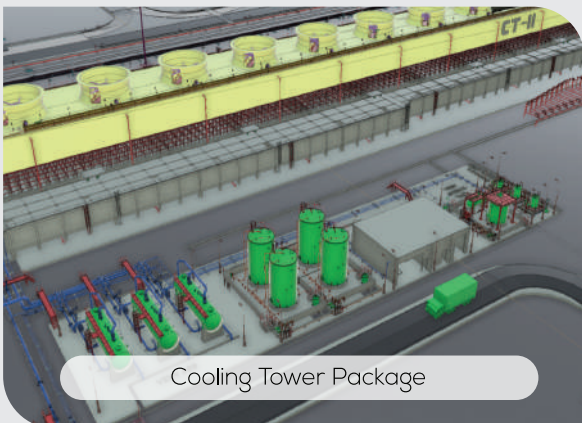
Nitrogen Generation Package



Water Treatment Plant



Steam Generation Package



Cooling Tower Package



Waste Water Treatment Plant



Pharma API Package

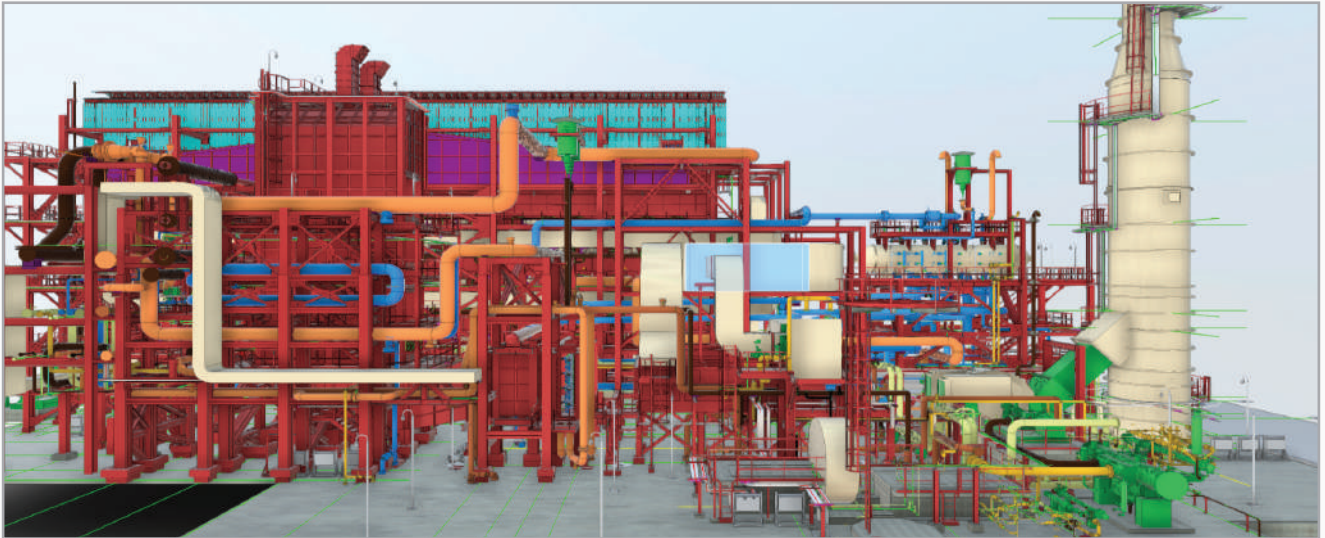


Heater Package

Designing & 3D Modeling

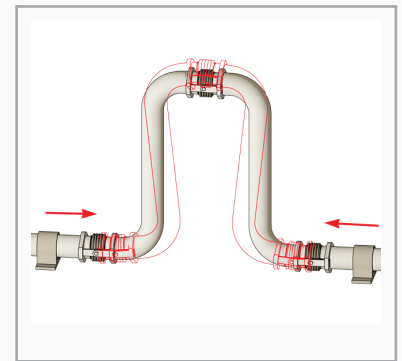
OIAPL provides a comprehensive set of 3D design services. We provide comprehensive plant 3D modelling services that include the development of optimal pipe routes from an operational, maintenance, and safety standpoint.

To provide excellent 3D modelling services, our team of qualified design engineers collaborate with EPCs, engineering consultancies, and OEMs. Our team generates real-time walkthroughs as digital models, providing a thorough understanding of the facility before building begins, thanks to substantial on-site expertise.



Piping Stress Analysis

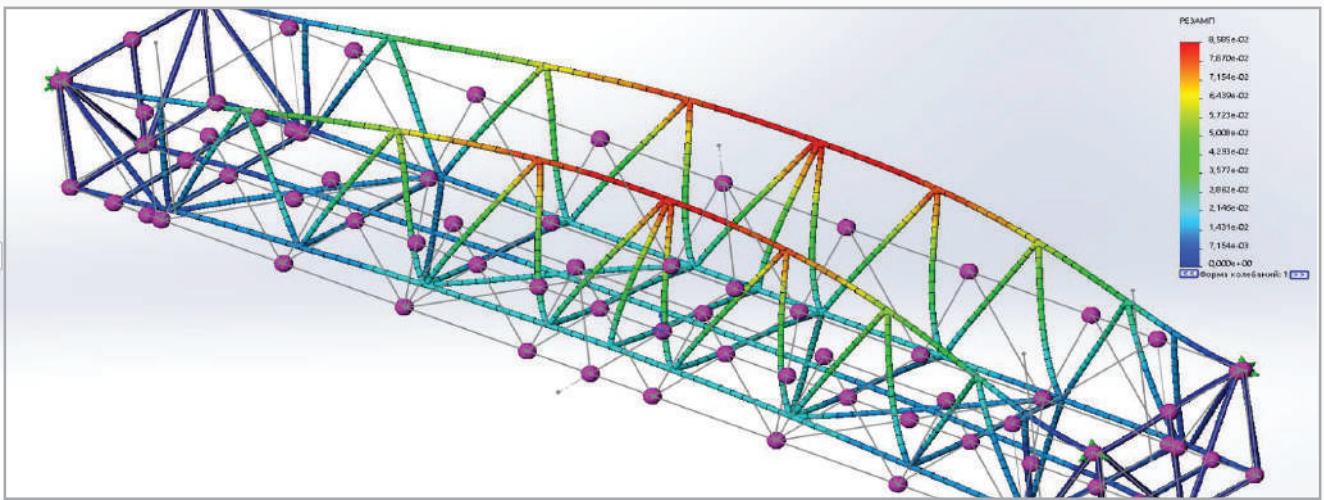
Our expertise is in pipe stress analysis, and our teams have extensive project experience performing the complete range of stress analysis services for piping systems and piping flexibility studies. Process pipe systems are subjected to rigorous piping stress analysis, assessment, and confirmation of structural and operational integrity.



Structure Analysis

The professional engineers at OIAPL are skilled in analysing the impact of external emphasis on static structures such as construction components, machine components, and so on. Our highly trained engineers provide structural analysis services to verify that these modules exceed fatigue safety standards.

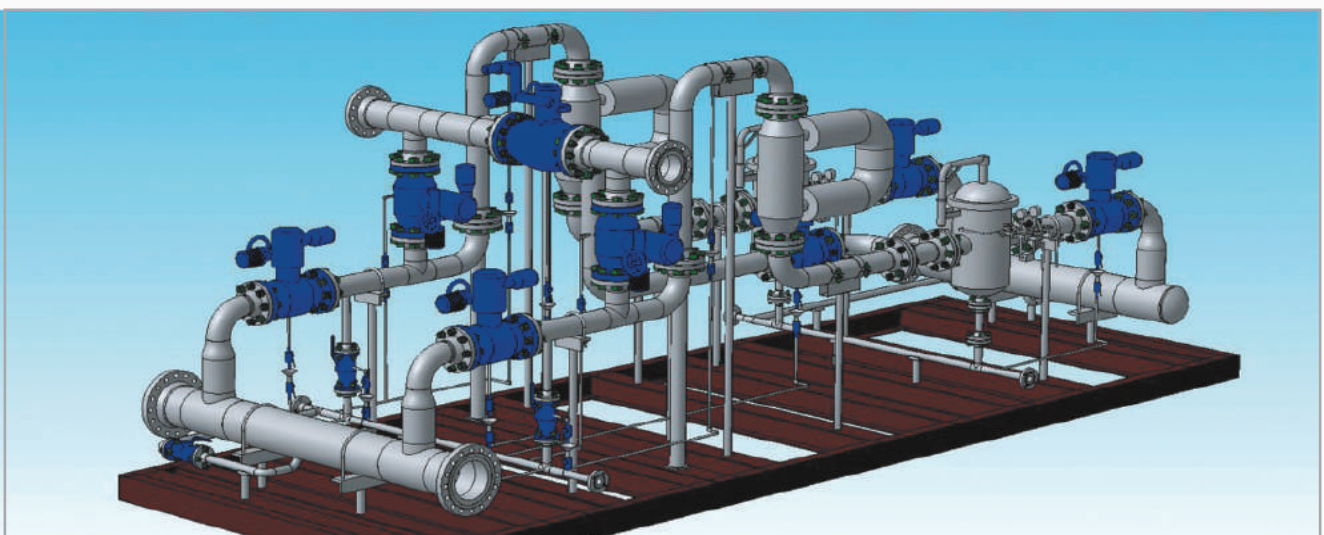
In vibration assessments, lifting analyses, and other services, our structural and stress analysis experts assist in simulating the movement of non-stationary items. We quantify and further remedy structural failures in components that do not fit the planned design plan, which might be caused by inappropriate material selection or manufacturing faults, using our technology and experience in structural stress analysis.



Skid / Modular Engineering

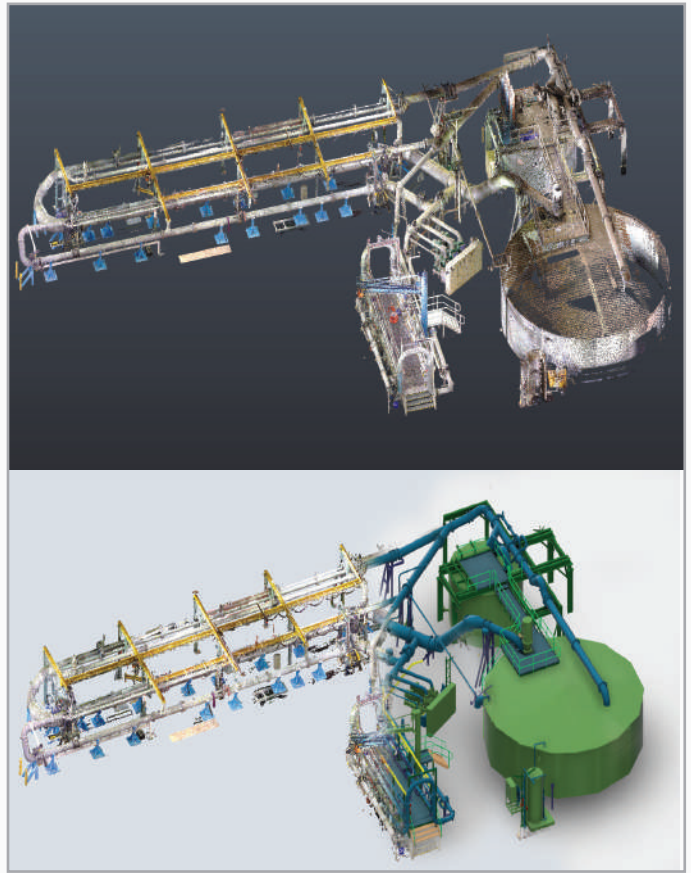
OIAPL Services provides skid structure designs and 3D modelling solutions for businesses in a variety of industries to meet their equipment skid design needs.

Our skid package design, with accuracy and safety as guiding principles, focuses on offering design efficiency to assure strict adherence to milestones, rules, deadlines, and budget. We provide a high level of expertise in skid design by addressing difficult business issues such as space optimization, the use of process skid models, and the speedier execution of regular plant upgrading requirements for clients all over the world.



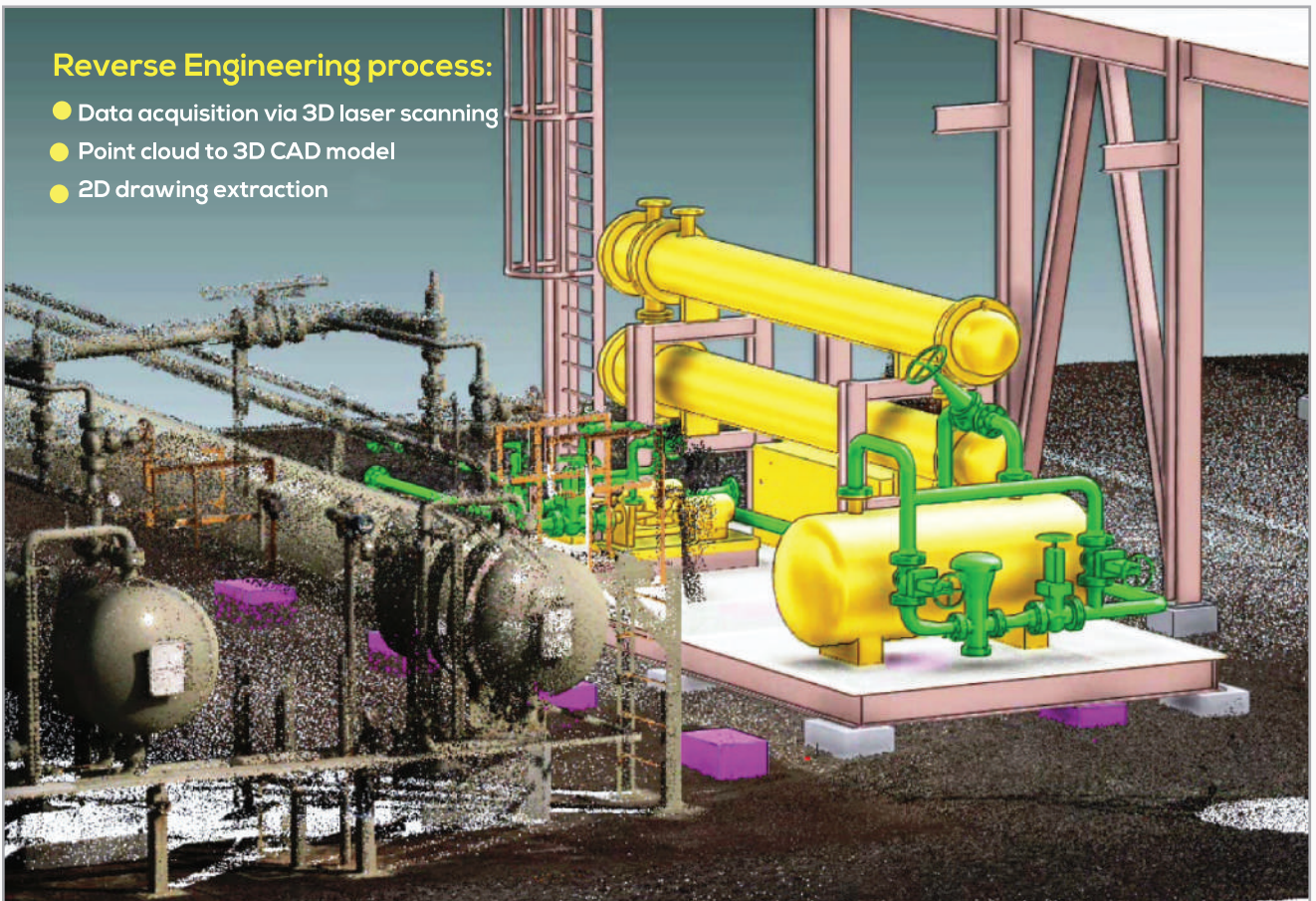
Reverse Engineering

OIAPL provides a comprehensive reverse engineering service. Our 3D scanning technology will capture 3D measurements as small as a flange bolt dia or as large as a Process plant. 3D Laser Scanning is a non-contact, non-destructive technology that digitally measure fine details and capture free-form shapes to quickly generate highly accurate point clouds. The scope of applications becomes virtually limitless with 3D digital data in hand. While much of our work is in reverse engineering and product inspection, there are so many other uses for our 3D laser scanning and 3D measurement data. Our team of highly skilled professionals can transform the raw point cloud or CMM data into output formats that are the foundation for design, documentation, visualization, and analysis as well.



Reverse Engineering process:

- Data acquisition via 3D laser scanning
- Point cloud to 3D CAD model
- 2D drawing extraction



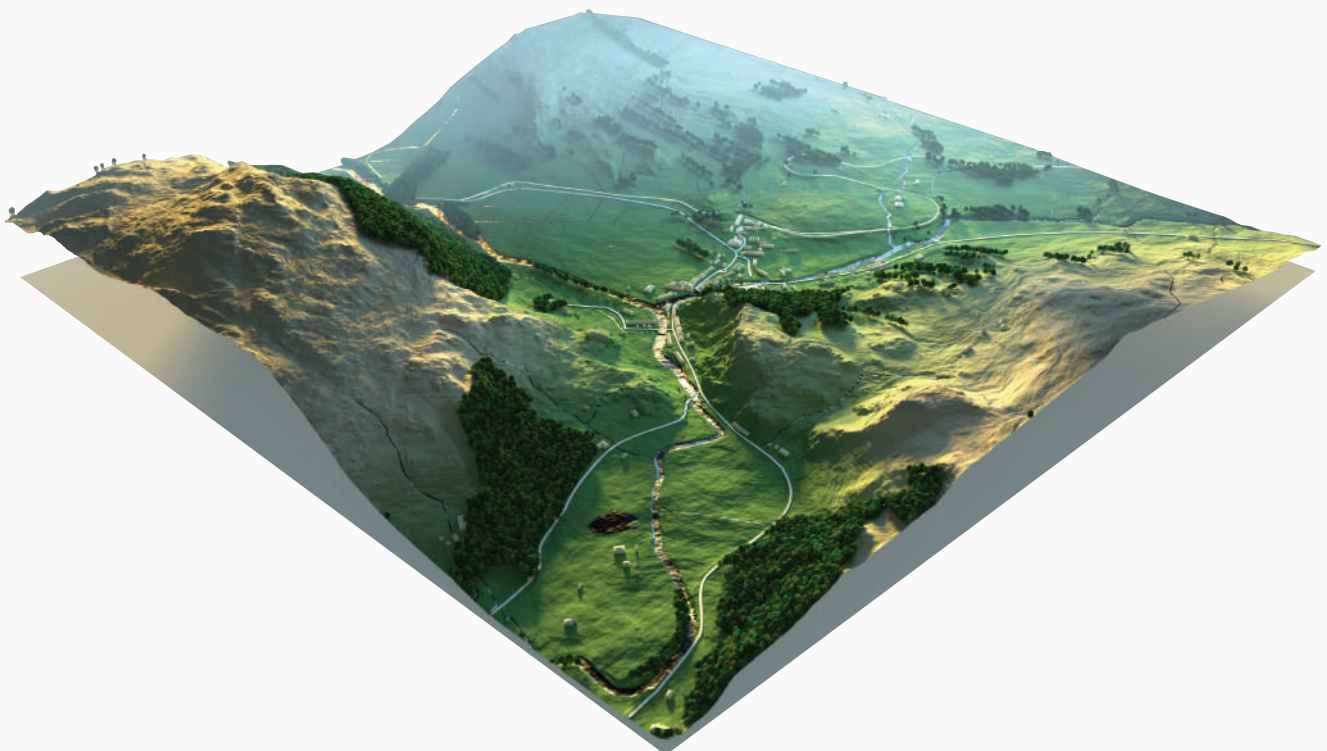
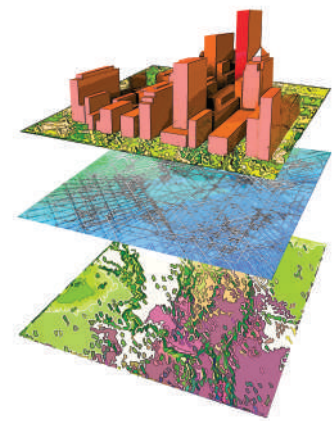
GIS & Mapping Services

OIAPL works on GIS data conversions and prepares electronic maps using Geographic Information Systems (GIS) technology by utilizing the paper or electronic data that has been either captured by the clients or collected otherwise.

The vast expertise and experience allow OIAPL to integrate GIS, CAD and Global Positioning Systems (GPS) services, by using high-end GIS Mapping and GIS data conversions software. These services assist the customers to produce contour maps, spatial maps, atlas maps, cadastral maps, thematic and zonal maps, landscape maps, and environmental maps for host industries such as mining and geology, utility, agriculture, petroleum pipelines, land information management, and other GIS Mapping companies and Remote Sensing companies.

OIAPL provides GIS services with an all-inclusive solution for spatial data management to government and industrial organizations through GIS remote sensing services. OIAPL's complex GIS Mapping Services and GIS Remote Sensing services include capturing, storing, integrating, manipulating, analysing, and displaying data related to positions on the Earth's surface.

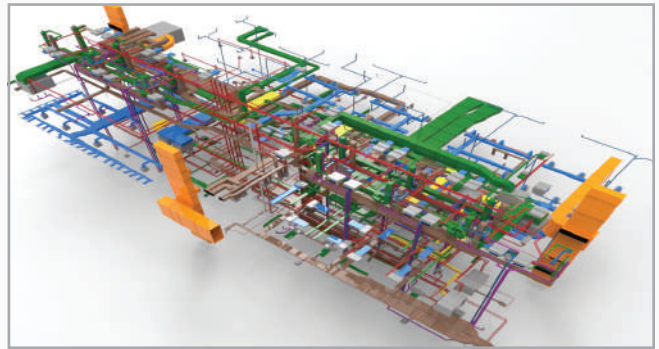
OIAPL uses updated technology, research and innovation that are implemented by highly experienced and qualified staff to create maps. OIAPL's team of engineers, geo-scientists, planners have developed GIS products and systems, integrated with GPS, GIS, and CAD.



MEP

We provide bespoke MEP design solution for building services to customers in the food retail, food processing and distribution, and non-food sectors including pharmaceuticals and manufacturing. We can undertake all aspects of MEP design projects including HVAC, Refrigeration systems, Underfloor heating, hot and cold-water networks, electrical design, and BIM co-ordination.

Our in-house engineers will provide a comprehensive service using the latest advances in technology and in compliance with client specific building control regulations. All our mechanical and electrical packages are coordinated in house to ensure all systems are in harmony for both the



user and the construction team.

We don't lose sight of our ethos of not overcomplicating design, whilst utilising the latest proven technologies with a focus on costs. Making the final solution simple for the end-user ensures that the FM is straight forward and uncomplicated. Our experience and expertise, together with the software we use, enables us to collaborate effectively in real time with other AEC contractors from pre-construction through the project delivery process to handover.

Talent Acquisition

We have expertise Engineering Resource Provider in Design, Construction, Commissioning, Operation, Maintenance & Project Management team in areas comprising of Oil & Gas Industry consisting of Upstream, Midstream and Downstream operating both Onshore & Offshore.



PERMANENT STAFFING



CONTRACTUAL / PROJECT BASED STAFFING



OUTSOURCING



REMOTE ENGINEERING SERVICES



CLIENTELE

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