Oil & Gas

UGL has built long standing relationships with many major oil and gas companies through the innovative solutions we provide to the sector. Our capabilities cover all aspects of upstream, midstream and downstream operations, including onshore and offshore processing, LNG plants, oil refineries, gas facilities and petrochemical plants.

Our focus is to strengthen every link of the value chain for our oil and gas clients seeking new ways to optimise equipment performance, environmental safety and reliable energy supply. Engineering design, cost effective materials, installation processes, controls and lifecycle maintenance are all critical to success and key advantages of our comprehensive capabilities.

The success of UGL is built on our culture of safety, dedication and commitment, partnered with the leading technical skills of our people. Our services are supported by fully equipped manufacturing, mechanical and electrical workshops throughout Australia, strategically located to allow UGL to respond promptly to our clients’ needs.

UGL provides project delivery and asset management and maintenance services to the oil and gas industry both in Australia and overseas.
The benefits we deliver

SOLUTIONS FOR THE ENTIRE LIFECYCLE

UGL provides comprehensive through life solutions for oil and gas assets that help our clients maximise the competitiveness and profitability of their assets ensuring long term operational success. Whatever the application, our offerings will meet the requirements for efficiency, reliability and environmental compatibility, giving low lifecycle costs and the best possible return on investment.

COMPLETE TURNKEY, ENGINEERING, PROCUREMENT AND CONSTRUCTION (EPC)

Clients reduce risk and cost through a reduction in the number of interfaces provided by UGL’s complete project solution. From a single point of contact, UGL manages entire oil and gas projects beginning with in-house engineering, procurement and construction through to start up and commissioning. Clients can take advantage of UGL’s unique blend of core competencies to allow faster completion of projects, improved performance, reduced risks and lower costs across greenfield and brownfield projects.

IMPROVING COST-EFFECTIVENESS AND EXTENDING THE LIFE OF OIL & GAS ASSETS

Competitive support solutions are vital for creating and maintaining successful oil and gas operations. We provide high quality and fully integrated lifecycle based support services that deliver greater cost efficiencies and improved productivity for our clients. Through planning, asset management, procurement and reliability-centred services, UGL extends the service life of critical assets in the oil and gas industry.

STRATEGIC ALIGNMENT WITH OUR CLIENTS

Aligned with our clients’ objectives, we strive to build long-term relationships that ensure operational success. In many cases, we become an organic extension of our clients’ businesses, providing high levels of service, together with a strong client commitment and focus.

TECHNOLOGY PARTNERSHIPS

UGL partners with the world’s leading technology providers in order to deliver the most advanced solutions to our clients. Our partnerships with General Electric (GE), Mitsubishi, Siemens amongst others, allows us to lead the way as the ‘integrator’ in the delivery of cutting edge technologies for the oil and gas industry.
UGL's expertise for midstream oil and gas operations includes:

- LNG projects and major maintenance activities on facilities and facilities and equipment for Coal Seam Gas (CSG)
- Floating production storage and off-loading units
- Gas compression, treatment, desanding, dehydration

**MIDSTREAM**

UGL is a leading provider of project delivery and asset management services involved right along the Liquidfied Natural Gas (LNG) chain.

With experience in the LNG industry that spans over thirty years, UGL’s whole of life capability includes structural, mechanical and piping construction services for large LNG projects and major maintenance activities on facilities that support midstream operations such as gas plants.

UGL’s expertise for midstream oil and gas operations includes:

- Offshore platforms
- Offshore production facilities
- Distribution pipelines
- Onshore trunk lines
- Oil refineries
- Petrochemical plant
- Storage facilities
- Communications and Control systems
- Utilities

**DOWNSTREAM**

UGL delivers service excellence throughout the entire lifecycle for our clients’ operational assets with capabilities that cover all aspects of their downstream operations.

For refineries, petrochemical plants and onshore processing facilities, clients benefit from employing UGL’s expertise in operations and maintenance. This includes an operational toolkit that links continuous improvement with performance measurement to assist site based workforces in managing their business.

UGL’s asset management capability delivers increased productivity and operational reliability through shutdowns, turnarounds and improved planning where all maintenance activities required are available through our systems.

UGL’s expertise for downstream oil and gas operations includes:

- Offshore processing facilities
- Onshore processing facilities
- Distribution pipelines
- Onshore trunk lines
- Oil refineries
- Petrochemical plant
- Storage facilities
- Communications and Control systems
- Utilities

**Our Services**

**ENGINEERING**

- 3D steel detailing and modelling services
- Engineering design for structural, mechanical, piping and electrical/instrumentation
- Engineering, procurement and construction (EPC)
- Technology and systems integration
- Budget preparation, planning and management

**CONSTRUCTION**

- Engineering, procurement and construction (EPC)
- Engineering, procurement and construction management (EPCM)
- Capital project planning and management for mechanical, electrical/instrumentation and access services
- Capital works
- Brownfield capital projects (including EPCM)
- Structural, mechanical, electrical and piping construction services
- Management of sub-contract services (access services, insulation, surface treatment)
- Installation of process modules and rotating equipment (including gas turbine generators and compressors) for LNG
- Structural, mechanical, piping and pre-commissioning services for Off-Plot Sulfinol Units and Trunkline Online Terminals for LNG

**FABRICATION**

- Fabrication and installation of interconnecting piping and steelwork
- Fabrication of piping, structures, pressure vessels and tanks
- Pre-assembled and modular structures

**MANUFACTURE**

- Management of module fabrication and assembly
- Assembly of skids and modules

**COMMISSIONING**

- Upstream, midstream and downstream oil and gas plant equipment including LNG trains
- Utilities infrastructure including water treatment and power

**MAINTENANCE**

- Mechanical and electrical equipment overhauls
- Long term maintenance services for upstream, midstream and downstream plant operations
- Maintenance services for structural works, vessels, tanks and piping
- Maintenance audits and reviews
- Managed and coordinated specialist subcontractor services
- Shutdown and execution management

**SUPPLY CHAIN & TECHNICAL SERVICES**

- Project delivery procurement
- Maintenance parts supply
- Field support services

**REFURBISHMENT & UPGRADES**

- Brownfield capital projects
- Asset upgrades
- Inspection, removal, repair, assembly and reinstatement of equipment
- Managed and coordinated specialist subcontractor services

**ASSET MANAGEMENT**

- Strategic asset management
- Continuous improvement of assets through the use of Kaizen Lean Six Sigma processes
- Budget preparation, planning, management and execution services for turnarounds
- Engineering, planning, procurement, preparation and execution services for a major upgrades and shutdowns
- Turnaround planning, management and execution

**PROJECT DELIVERY & IMPLEMENTATION**

- Engineering, procurement and construction management (EPCM)
- Brownfield capital projects (including EPCM)
- Engineering, procurement and construction (EPC)
- Capital works
- Planning and workflow management
- Management of sub-contract services (access services, insulation, surface treatment)
- Capital project planning and management for mechanical, electrical/instrumentation and access services
- Budget preparation, planning and management