



GR PRODUCTION SERVICES
OPERATIONS – MAINTENANCE – PROJECTS – ADVISORY

EPC and Project Management Services

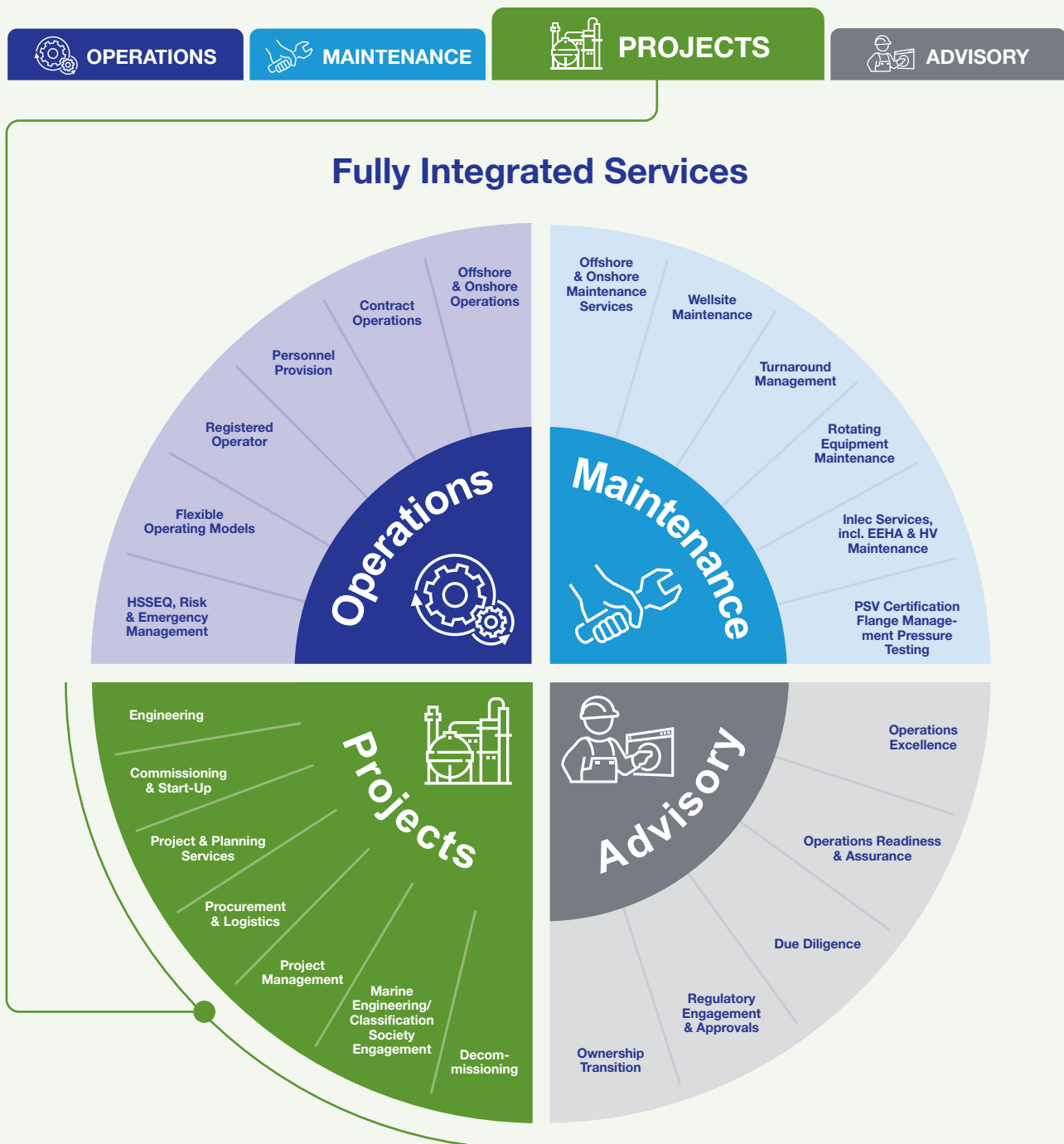
PROJECTS



PROJECTS

GR Production Services is a leading provider of fully integrated, safe and sustainable production solutions to the energy and resources industries.

Our multi-disciplined engineers and project managers provide onshore and offshore project management and technical support throughout the asset/facility lifecycle. Whether its brownfield or greenfield engineering projects, we can add value during the concept, design and implementation phases of projects by leveraging our vast operations and maintenance experience and inhouse relationships between Engineering and Operations. As a result, the projects we design and deliver are safe, reliable, cost-effective and fully aligned with operational and commercial objectives. We ensure full understanding of project objectives, SOW and roles and responsibilities to ensure the appropriate contract model is chosen.



Projects delivered with a production performance mindset.



Our early involvement in a project's lifecycle has proven cost, schedule and operational benefits. Our team has a long track record in servicing, modifying and extending production life on existing facilities.

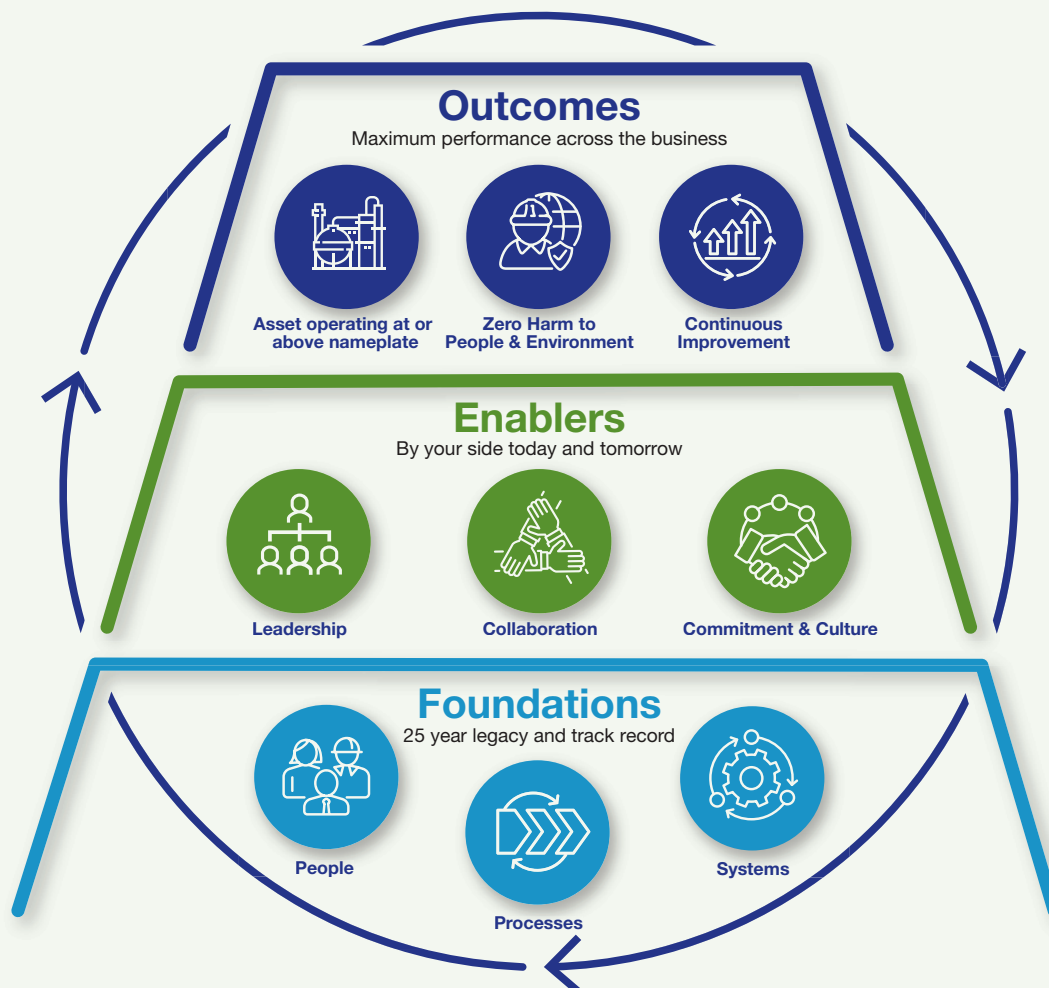
We provide a wide variety of project services supported by engineering, from minor modifications to major facility upgrades.

Our range of project management services include:

- Marine Engineering / Classification Society Engagement
- Engineering
- Project Management
- Commissioning & Start Up
- Decommissioning
- Procurement & Logistics
- Project & Planning Services

Delivery Excellence Framework

Target: Operate and Maintain asset at technical, organisational and commercial optimum; **'The best you can be'.**





Our Project Experience

Value \$k/M	Project/Facility	Design Support	Commissioning	Engineering	Project Management Services	Technical Specialist Support	Operations & Maintenance
\$20M	QGC QCLNG, Well Appraisal Packages, QLD	✓	✓	✓	✓	✓	✓
\$100M	AWE, Dongara Production Facility, Perth Basin, WA	✓	✓	✓	✓	✓	✓
\$40M	CO2CRC, Otway Geosequestration Project, VIC	✓	✓	✓	✓	✓	✓
\$5M	Santos, GLNG, Well Appraisal Packages, QLD	✓	✓	✓	✓	✓	
\$500k	Santos, GLNG, Gas Busters (Lease Degasser Trial), QLD	✓	✓	✓		✓	
\$200M	Santos, Patricia Baleen Gas Plant, VIC	✓	✓	✓	✓	✓	✓
\$100k	Santos, GLNG, 2 Pipe Skids, QLD	✓	✓	✓	✓	✓	✓
\$300M	Roc Oil, Crystal Ocean FPSO (BMG Field), VIC	✓	✓	✓	✓	✓	✓
\$2M	Origin, Geographe Field, Subsea Development, VIC	✓	✓		✓	✓	
\$750k	Origin, Halladale Blackwatch Project, Owners Engineering, VIC	✓	✓			✓	
\$500k	Origin, Technical Support Services, Eastern Australia	✓	✓		✓	✓	
\$250K	SGH Energy, Longtom Asset, VIC	✓	✓			✓	
\$15M	APA, Orbest Upgrade, OE, VIC		✓				
\$500k	Santos, Sole Field Development Project, Owner's Engineering, VIC	✓	✓			✓	
\$3M	Compressor Bundle, Northern Endeavour FPSO, Timor Sea	✓	✓		✓	✓	✓
\$500k	Origin APLNG, Wellsite Solids Separation, QLD	✓		✓	✓	✓	✓
\$750k	Origin APLNG, TEG Skid Valve Upgrade Project, QLD	✓		✓	✓	✓	✓
\$5M	Origin APLNG, Brownfield Improvement Projects, QLD	✓		✓		✓	✓
\$70M	ZeroGen, Carbon Sequestration Facilities, QLD	✓	✓	✓	✓	✓	✓
\$1M	Origin, Lump Sum Drafting Services, Eastern Australia	✓			✓		
\$150M	Roc Oil, Cliff Head & Arrowsmith Plant, WA	✓	✓	✓	✓	✓	✓
\$150M	NOGA, Northern Endeavour FPSO, Timor Sea	✓	✓	✓	✓	✓	✓
\$500k	Empire Oil, Export Compressor Lubrication Upgrade, WA	✓		✓	✓	✓	✓
\$500k	AWE, Xyris Gas Plant Facility, WA	✓	✓			✓	
\$300M	NOGA, New Endeavours Operatorship Transition, Timor Sea			✓		✓	✓
\$500k	Karoon, Advisory Services, Corporate Systems, SA				✓	✓	✓



EPC and Project Management Experience



Santos MIC Project

(2021 - ongoing)

Client

Santos

Summary

Engaged to plan, schedule, coordinate and execute pipework and vessel inspections and, where necessary, fabricate, replace or repair following detection of microbiologically influenced corrosion (MIC) in both upstream and downstream pipe spools and separator vessels across various remote assets.

Key Services

- Over 1200 pipe spools identified with minimal wall thickness
- 780 corroded spools replaced within 12 months
- Project coordination across all scopes of work
- Completed all construction activities, completions documentation for the new vessels, upstream spools installed, and PSVs tested - incident and injury free.



Senex Energy - Brine Line Extension

(2021 - ongoing)

Client

Senex Energy

Summary

GRPS were engaged by Senex to install a new Brine transfer pipeline running from the existing 1.5 MLD RO Plant's Reject/Brine manifold near the Atlas WTP to Dam 2-Cell 2.

The new brine line project provides additional operational flexibility for Senex, allowing them better management of RO Reject/brine from the facility.

GRPS team identified and implemented improvements in the original design including re-routing pipeline to not impact existing terrain and allow for future expansions.

Successful tie-in to the existing infrastructure, minimising water treatment plant downtime.

The project was delivered successfully below the already competitive estimated price and ahead of time.



Santos – Linear Rod Pump (LRP)

(2023)

Client

Santos

Summary

GRPS Surat Basin team were engaged by Santos to conduct a trial installation of their first Linear Rod Pumps using GRPS's own procedures and tooling.

The installation was successful and has resulted in the Santos Surat Basin team taking ownership of the program, performing work in Fairview, Arcadia and Scotia.



EPC and Project Management Experience



APA Orbest Gas Plant Upgrade Project

(2015 - 2022)

Client

APA

Summary

Following APA Group's acquisition of the Orbest Gas Plant and export pipeline in 2017, GRPS supported extensive upgrade works to facilitate the processing of sour gas from the offshore Sole Gas Field with first gas in March 2020. With detailed knowledge of the plant having operated and maintained the plant under Santos' previous ownership from 2001 to 2011.

Key Services

- SMP and E & I, commissioning planning, engineering and execution support
- Construction interface management support and O & M resources.



Northern Endeavour FPSO

(2015 - 2022)

Client

Australian Government (DISER)

Summary

Working on behalf of the Australian Government, providing core operations and maintenance services and planned pre-disconnection project activities.

Key Services

Marine and Class

- Crude Oil Tank Cleaning and Inspection
- Water Ballast Tank Inspection and repair

Engineering

- Subsea/Topsides Flushing
- Structural / Crane Repairs
- Facilities Engineering - all major asset equipment

PM, planning, procurement, and logistics

- Planning, scheduling, vendor and subcontractor management, procurement.



CO2CRC - Carbon Storage Project

(2006 - ongoing)

Client

CO2CRC Limited

Summary

GRPS project teams have worked on all three stages of the project:

Stage 1:

Concept (2004 – 2009)

Stage 2:

Risk Reduction (2009 – 2019)

Stage 3:

Cost Reduction (2016 – 2019)

Maintained an LTI Free site since 2006

Key Services

- Drilling of five new wells and the construction of the surface facilities including gathering line network and compression
- Concept, FEED & installation
- Management of drilling operations and implementation of wells and surface facilities.





Locations

