

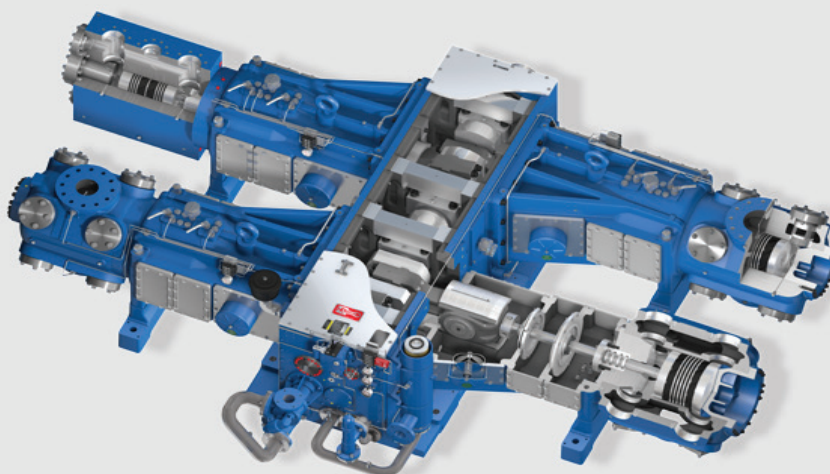


Oil & Gas Systems Limited

# Reciprocating Compressors



Compressor packaging requires an in-depth knowledge of process, control and mechanical engineering. To build compression systems that will work reliably, a manufacturer must have broad experience.



Oil & Gas Systems Limited (OGS) are authorised by Ariel Corporation in the USA, to build compression systems using their range of reciprocating compressors. These are heavy duty, horizontal balanced opposed machines available as 1, 2, 4 or 6 crank throws, in accordance with design codes API 618 (ISO13707) / API 11P (ISO13631).



The Ariel rated frame powers range from 25 kW to 6,000 kW with discharge pressures up to 538 barg. Lubricated machines are offered as standard with 'oil free' available as an option. Noise attenuation housings can be provided for installations in noise sensitive areas.

## Applications

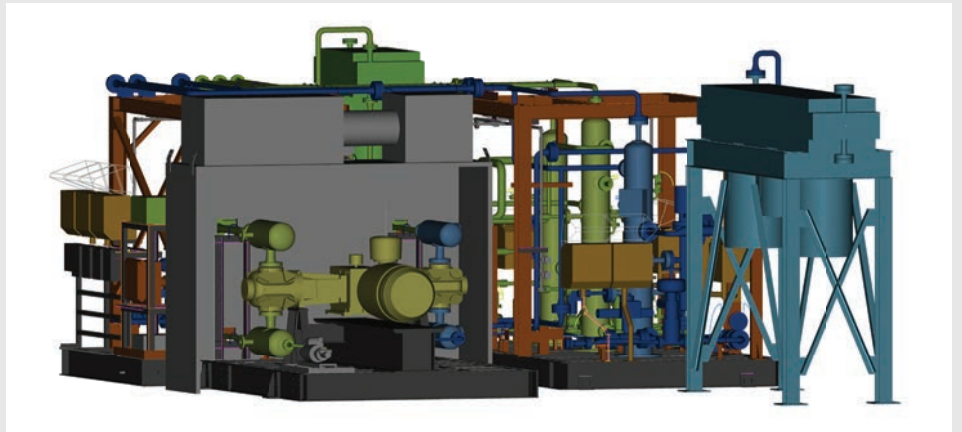
OGS can provide complete design, manufacture, assembly and test of compressor packages for the following applications:

- Offshore installations (platform & FPSO)
- Associated gas (variable composition)
- Fuel gas boosting (strict delivery conditions and quality)
- Acid and sour gases
- Process and synthetic gases
- Refinery applications



OGS undertakes the complete design and supply of skid mounted or packaged equipment and our scope of supply typically covers all stages of project execution including:

- Detailed design and engineering (including compressor sizing and application, process development and design, pressure vessel, pipework and mechanical design, acoustic analysis, torsional analysis, monitoring and control systems)
- Project management
- Manufacture
- Calibration, integrated testing and certification
- Shipping and packing
- Start-up and commissioning supervision
- Training and support
- Routine maintenance



We work closely with our clients to make sure the control system integrates with the complete process plant. Packages can be fully automatic or manually operated with options for continuous health monitoring and remote access diagnostics if required.

Each system is tailored to match project and operational demands and overall package scope will typically include interstage cooling and scrubbing, piping, instruments and control systems.





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Since the company was established in 1989, we have continuously developed our approach to design, procurement, project management, assembly, test and supply of packaged equipment.

API 618 guidelines for torsional and acoustic analysis are followed. All our compression systems comply with the requirements of PED and ATEX with CE marking as required. For Russian projects, Ariel compressors can be supplied with GOST-R approval.

OGS was one of the first systems integrators to achieve ISO 9001 approval. Now, our approvals include:

- ISO 9001:2008 - Quality Management System Registration
- ISO/TS 29001:2010 - Petroleum, petrochemical and natural gas industries - Sector Specific Quality Management System
- OHSAS 18001:2007 - Health & Safety Management System

We are approved by a wide range of operating companies worldwide which include BP, Shell, Chevron, BG, Saudi Aramco, PDO and ADNOC Group Companies, KOC and KNPC. We are also registered on the FPAL and Achilles databases for the UK (Supply Line) and Norway (JQS) and are a GE Global Source approved supplier.



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