



Oil & Gas Systems Limited

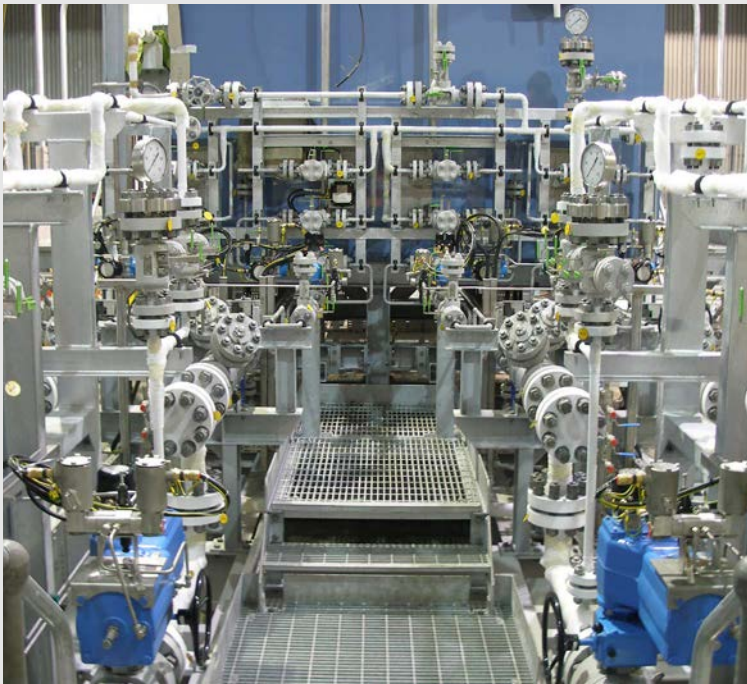
## Metering Systems



## Metering Systems

Oil & Gas Systems Limited (OGS) designs and manufactures fiscal, custody transfer and allocation metering; and sampling & analysis systems for the oil, gas, petrochemical and power generation industries, ranging from complete skid mounted or packaged units to simple meter tubes.

Every metering system requires a metering control and supervisory package. We can provide computation and reporting packages which range from simple flow computers to full supervisory systems with graphic control functions and communication with Distributed Control System (DCS), Integrated Control and Safety Systems (ICSS) or other systems.

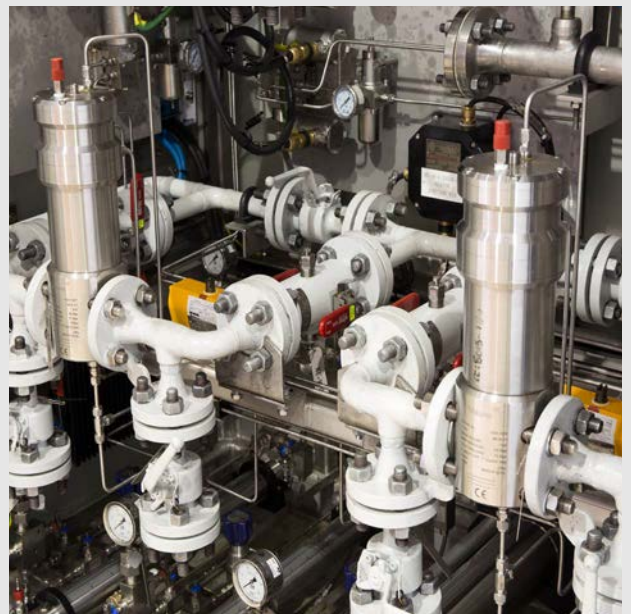


These systems can be built, assembled and tested at our own UK fabrication and assembly facilities or fabricated under our supervision in approved overseas workshops.

We strive to work with our customers to provide competitively priced, top quality technical solutions utilising the best available technologies. All systems are designed to incorporate clients operational requirements whilst meeting with all applicable specifications, national and international standards.

## Sampling & Analysis

A wide variety of sampling and analysis systems can be designed and manufactured in our workshops. These range from analysers locally mounted in simple enclosures to complete analyser houses for gas applications containing all necessary equipment including sample take off, pressure let down, fire and gas detection; and HVAC as required. For oil applications we can provide fast loop sampling systems as well as more complex power mix sampling systems.





## Provers

For liquid systems we supply the following types of provers:

- Portable, remote, online
- Bi-directional
- Uni-directional
- Low temperature piston



## Applications

OGS can provide complete design, manufacture, assembly and test of the following types of metering systems for the following applications:

- Offshore platforms and FPSOs
- Onshore installations including terminals and refineries
- Petrochemical facilities
- Power stations
- Pipelines

OGS has also supplied systems for hydrocarbon applications such as crude oil, conventional or unconventional natural gas and condensate as well as refined products including LPG, lubricants, fuel oil, kerosene and naphtha.

## Scope of Supply

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

- Detailed design and engineering
- Project management
- Manufacture
- Calibration, integrated testing and certification
- Start-up and commissioning supervision
- Shipping and packing
- Training and support

## Manufacturing Standards

We supply systems to the international oil and gas market which comply with relevant national and international standards including:

- ISO 5167
- ISO 3171
- AGA - 8
- AGA - 3





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Our QHSE 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 Registration

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).



BP Clair Ridge Metering Package  
(UK Offshore)



Nexen Petroleum Aoka Mizu Fuel Gas Import  
Metering System (UK Offshore)



BP South Caucasus Expansion Project  
(Georgia)



Nexen Petroleum Golden Eagle Oil & Gas  
Metering (UK Offshore)

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