



Orbital Gas Systems

ANALYTICAL SOLUTIONS PROVIDER

Orbital offers a wide selection of analytical systems for a diverse range of applications. Orbital is committed to providing unmatched turnkey solutions that are customizable to suit your needs. We tailor our solutions to your specific application, ensuring that the best results are always delivered.

Any analyzer brand can be readily integrated into our solutions, making them highly versatile and therefore suitable for an extensive range of applications.

SAMPLE SYSTEM ENGINEERS

Orbital's complete sample systems have been developed and refined over its 30+ years experience in the gas industry. Orbital provides tailored solutions for trace measurement, natural gas, LNG, oil and chemical sampling applications, among many others.

Orbital utilizes its superior VE Technology® sample probes and sample conditioning systems to achieve the best results possible, ensuring sample integrity is always maintained from sample point to return point.

PRODUCT DEVELOPERS

Orbital is the innovator of GasPT® and VE Technology. GasPT is a fast-response, highly accurate, "plug-in-and-play" natural gas physical properties transmitter. VE Technology comprises a selection of expertly designed sampling and monitoring solutions, including the patented helical strake VE Technology probes and thermowells, which are able to completely eliminate vortex induced vibration, a common cause of failure in conventional probes.



Orbital Gas Systems has over 30 years of experience as a systems integrator, offering unparalleled solutions within the energy, power and processing markets. Orbital engineers, designs, manufactures and delivers a broad range of technologies with applications in environmental monitoring, gas metering, process control, telemetry, gas sampling and biomethane.

Orbital performs full testing on all of its systems, including leak and loop checks, functional testing, as well as factory acceptance tests.

Orbital's systems are all pre-wired and fitted to ensure smooth transition to operation.

Orbital's products and solutions can be designed to ensure NEC, IEC, or ATEX compliance.



EXPERTISE

- Petrochemical
- Metal manufacture and processing
- Chemical/Specialty Chemical
- Refining
- CEMS/Environmental
- LNG
- Fracking Processes
- Natural Gas Distribution/Custody Transfer/Process Control
- Pharmaceutical
- Utilities/Liquid Sources – E&H Projects

SERVICES

Orbital offers a range of services, encompassing full professional support:

- Front-End Engineering Design
- Analytical Systems Integration
- Startup, Commissioning & Field Services
- Field Installation Services
- Training
- Crating/Packaging





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ORBITAL'S NEW FACILITY

In October 2017, Orbital opened a new 35,000 ft² facility in Aldine, Houston. The site comprises 2+ acres of real-estate, and is currently ISO 9001:2008 certified with transition to ISO 9001:2015 due immanently.

Some features of the new facility include: Climate control, instrument grade air supply, 480/220/110 VAC services, probe pressure testing capability, certified welding capacity, laser engraving tag equipment capability, and crane accessibility.



ORBITAL'S EMPLOYEES

Orbital has over 100 years worth of industry experience under its belt, comprising analytical system integration and analytical application knowledge.

Orbital's workforce is made up of a carefully selected team, working within a number of different departments:

- Project Management
- Project Engineering
- Design Engineering/CAD
- Purchasing
- Accounting
- Fabrication
- Testing
- Sales



Orbital's new 35,000 ft² facility.



Orbital's mission is to supply products and services that deliver, exceeding the highest quality standards, whilst representing the cutting edge of design.

ORBITAL'S PROJECT MANAGEMENT

All projects undertaken by Orbital are subject to a stringent project management system. This means that all possible routes to engineering, designing and delivering the solution have been explored, ensuring that the best results are always achieved. Orbital endeavors to work to strict scheduling meaning that projects are delivered on time, consistently. Orbital works has worked at small-scale ranging to multi-million dollar projects.

