

Clarity
when
you
need
it most

FOR THE OIL & GAS
INDUSTRIES



Robust

instrumentation products for both on-shore and off-shore applications



AMS has specific focus on the Oil & Gas Industry. We are a Multi Instrument Vendor (MIV) and provide consolidated product supply and support for instrumentation and control solutions using the best available technologies to meet ongoing application needs. Our expertise will optimise your processes and maximise your investments whilst providing the best solution for your application.

Specialist C&I supplier for the Oil, Gas and industries

- Product ranges covering all aspects of instrumentation and control including independent advice on product selection for your application
- Custom built sampling equipment
- System integration
- Instrumentation products approved for use in Hazardous Areas e.g. Zone 1, Zone 2 to many international standards (ATEX, FM, CSA, IECEx)
- Products for use in SIL loops
- Trip alarm systems
- Complete panels, fully wired and tested
- Product obsolescence expertise
- Site commissioning

Temperature and Pressure Measurement

We can source any temperature or pressure measurement device to suit your application and preferences. We partner key instrument manufacturers and can advise and supply from one of the most complete ranges of instrumentation available. Our engineers have vast experience in all types of temperature and pressure measurement:



Temperature

- Thermocouples & Resistance Thermometers
- Multi-Point Temperature Assemblies
- Skin Type Temperature Measurement
- High Temperature Sensors for Furnace Applications
- Bespoke and industry STD design thermowells, complete with wake frequency calculations
- Range of mounting options: head-mounted, DIN-rail, field housing (IP66/67, NEMA 4X)
- Mechanical Temperature Gauges

Pressure

- Absolute, Gauge and Differential Measurements
- Pneumatic Pressure Transmitters
- Multivariable Transmitters
- Direct and Remote Mounted via Capillary Seals
- Manifold Mounting
- Mechanical Pressure Gauges

All of the above can be supplied with:

- A complete range of communication protocols: 4-20mA, HART, Profibus and Foundation Fieldbus
- SIL Compliance
- High accuracy, high stability extremely robust measurement solutions for both on-shore and off-shore applications
- Certified for use in all Hazardous Areas.
- Complete documentation packages for traceability

Level solutions

At AMS we have supplied, manufactured and commissioned numerous mechanical level gauges to retrofit to existing chambers as well as manufacturing and supplying our own bespoke designed chambers to suit your application. In addition to this we also supply the complete portfolio of electronic level measurement products. Our range includes:

Electro-mechanical level products:

- Displacer Level Switches
- Float Type Level Switches (Vertical & Horizontal)
- Magnetic Level Switches & Indicators
- Instrument Chambers

Electronic level products:

- Radar, Incl. Guided Wave & Microwave
- Ultrasonic
- Nucleonic
- Magnostriptive
- Magnetic level transmitters
- Hydrostatic level transmitters with remote seal option
- Capacitance (Vibrating fork)
- Instrument Chambers

Analytical Instruments

We supply a wide range of high performance and cost effective analysers for both liquid & gas applications, we have experience with various manufacturers and can provide analytical solutions as standalone or fully integrated systems:

- Silica & Phosphate
- pH/Redox
- Sodium
- Water sampling systems
- Hydrazine
- Oxygen
- Moisture
- Conductivity
- Stack Gas Analysis

- Combustion Gas Analysis
- Continuous Gas Analysis
- Spectrometers
- Gas Chromatographs
- Sample Handling
- Oil in Water

Sampling Equipment

- Custom made sampling equipment for Sampling Oil, Gas and Water outputs from Separator

Valves

We are able to source, supply and manufacture many types of manual and automatic valves from density sensitive valves to control valves:

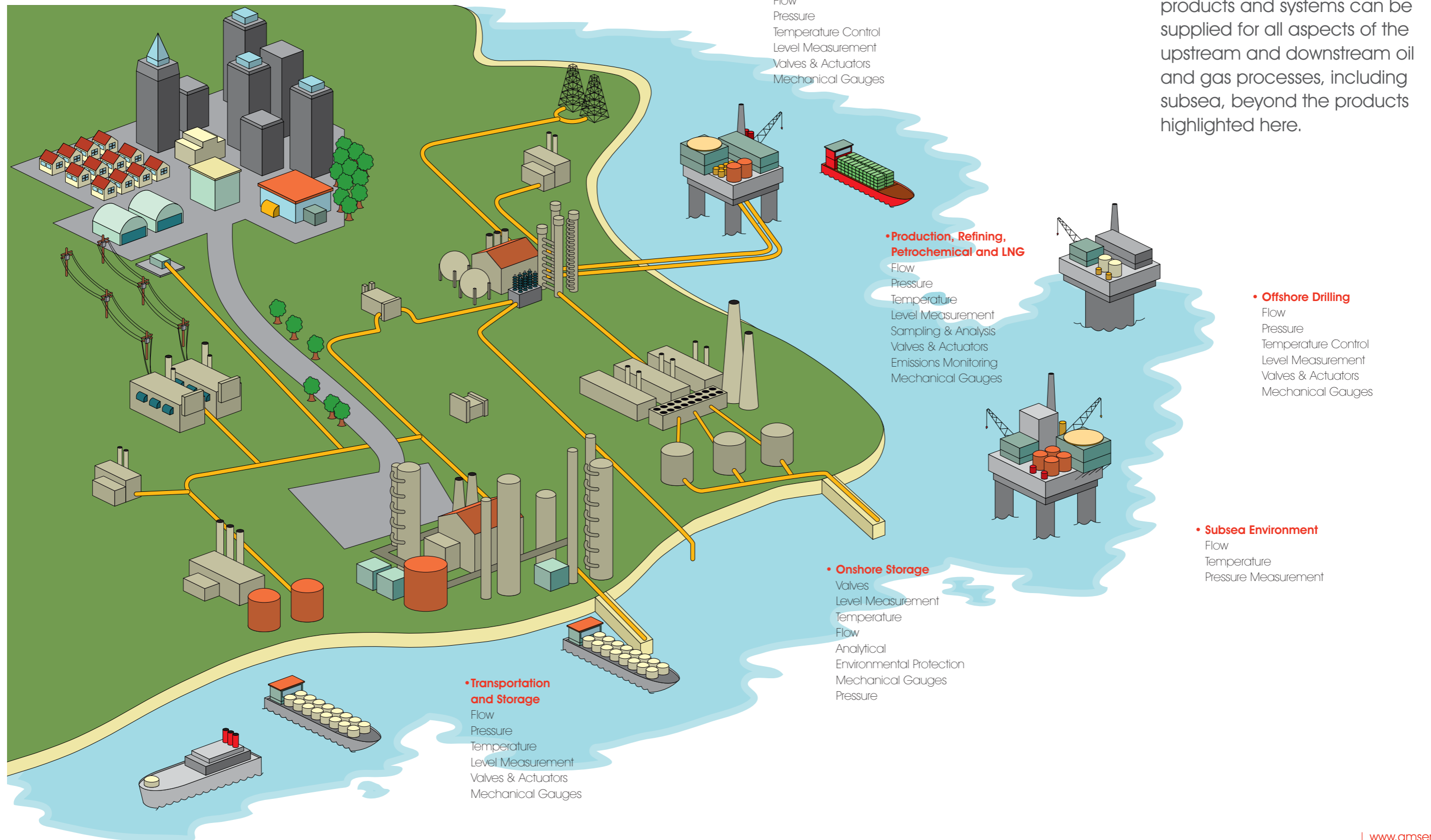
- Water Drain Valves (for Storage Tanks)
- Relief Valves
- Safety Shutdown Valves
- Ball Valves
- Manifold Valves
- Control Valves
- Speciality Valves
- Complementary products such as Valve Actuators & Positioners

Flow Meters and Computers

We can provide flow meter and associated flow computing technology for virtually any gas or liquid using a variety of technologies:

- Differential pressure devices (orifice, venturi, flow nozzles etc)
- Electromagnetic
- Thermal mass
- Vortex / Swirl
- Coriolis
- Variable area
- Wedge
- Turbine / Positive Displacement
- Ultrasonics, including clamp-on
- Density Measurement

Whatever instrumentation you need to meet your application, preference and budget - we can help you.



Instrumentation and control products and systems can be supplied for all aspects of the upstream and downstream oil and gas processes, including subsea, beyond the products highlighted here.

Customised instrumentation and control

Our knowledge, skills and expertise combine to provide customised instrumentation and control systems - whether it's a unique solution for a new process or the need to address product obsolescence.

All equipment is fully inspected and tested prior to dispatch and, if required, a full Factory Acceptance Test (FAT) can be arranged as well as 3rd party inspection.

Our independence ensures that you get the best solution to meet your process needs at every level – performance, reliability, specification and budget. Furthermore, we can integrate your existing equipment within the design required.

Experience spanning many areas of Oil & Gas instrumentation needs

- Complete instrumentation cubicles/panels. Fully wired, tested and documented to your standards.
- Custom built sampling equipment
- Portable flow test rigs
- Bubbler level systems
- Portable and fixed recording solutions
- Reverse engineering for product obsolescence
- (Heated) Instrument Enclosures
- Customised accessories such as sunshades, pipe stands, mounting plates & Instrument chambers



We have the
knowledge, skill
and expertise
to meet your
requirements.

Peace of mind

Through us you will have access to all of the control and instrumentation products you will ever need with one, consolidated product supply service. As well as bringing you extensive product and application knowledge to maximise your investment, our engineers will always be ready to take your call if you need help. AMS ensure that stocks of critical spares are readily available to get you up and running as quickly as possible should you encounter a problem. We not only configure your instrumentation to your exact needs, we store those configurations to ensure ease of additional installations.

Accreditations

AMS is approved to UKAS ISO9001 for Quality Control, UKAS ISO14001 for Environment Protection and OHSAS 18001 for Health and Safety.

We are also UVDB Achilles B2 verified for supplying to the utility sector and have a vast range of experience across various Oil & Gas industry standards. Further information is available on our website.

Services in our range

The range of services that we offer is designed to enable you to get exactly what is required. From assistance in product selection to life time care contracts, we work with you to ensure you have full support.

Total consolidated product supply

Our understanding of Oil & Gas applications and the instrumentation products available ensures that we can source all of your instrumentation requirements. Our engineers will be able to help you make the best product selection and our teams will take away the pain of multi-vendor purchasing.

Configuration

We will configure your products and systems so they operate to meet the requirements of the application. We also offer a configuration archive service enabling pre-configured spares to be shipped quickly if you need them.

Managed spares holding

By controlling our stock levels we are able to hold consignment stock ensuring that critical items are readily available as and when you need them. Combined with our configuration archive service, this means that we can get fully configured instruments to you within an agreed time scale.

Calibration

To comply with current regulations and to help keep your instrumentation running and efficient, we have accredited equipment and facilities to calibrate your instruments either in-house or on-site to recognised national standards.

Training

Whether you need a customised course for your installation or training in the theory and application of instrumentation and control – we provide in-house or on-site training to meet your needs.

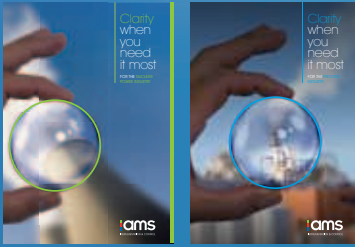
Documentation

AMS are able to provide a full package of documentation to support our products and services we offer, for example; material certificates, pressure test and calibration, to mention just a few. This can be offered in a databook to encompass the total supply. We also provide product substantiation against British, European and customer specific standards.

The range of services that we offer is designed to achieve exactly what you need.



Other brochures available from
AM Sensors; Nuclear and Process



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