

Oil & Gas Solutions Wellhead, Process & Control & Chemical Injection



The power behind **your mission**



Wellhead, Process & Control & Chemical Injection

Where we work • Onshore, Offshore Production

- Subsea Production • FPSO's & FSO's
- Oil & Gas Refineries • Petrochemical Plants

Wellhead Control

- Systems often have integral hydraulic power generation and employ control logic in varied formats including programmable electronic, hydraulic, pneumatic and process gas
- Single to multi-well packages
- Automated production control for wellheads and pipeline valves
- NORSOK Requirements

Hydraulic Power Units

- Generation and storage of hydraulic pressure using oil/water based fluids at pressures in excess of 1,000 barg
- For wellhead control or subsea distribution
- Workover Control Systems
- Integral hydraulic power generation and control systems
- Umbilical reelers
- Control Room.
- Purged Control Room.
- DNV 2.7.1

Umbilical Termination Units

- Topside (TUTU)
- Subsea (SUTU)

Subsea Control & Distribution

- Direct and piloted hydraulic subsea control systems
- Electro-hydraulic subsea control systems utilising both conductive power/communications and fibre optic communications
- Data acquisition/monitoring and SCADA systems

Remote Telemetry & Single Well Control Systems

- Single/Dual RTU or PLC based control system, self-contained or part of a larger system
- Powered – fixed supply, batteries, solar or wind turbine
- Application – to control wellheads, flowline manifolds and pipelines
- Communication by direct cabled modems, radio, fibre optics or GSM. Autonomous operation in the event of communications failure for sustained production and/or controlled shutdown
- Control available from simple interfaces to complete SCADA systems

We are innovative solution providers, utilising our extensive experience and technical ability to supply control systems and chemical injection packages to the petrochemical industry worldwide.

Stabplates

- High Pressure stabplates
- Remote disconnect stabplates

Ballast Control

- Total solution including control, distribution, actuation and valving, hazardous area applications, deck boxes

Chemical Injection

- Process chemical injection & methanol injection systems
- Metering injection and transfer pump skids
- Multiple chemical storage vessels up to 250m³
- Pump range includes double diaphragm and plunger type capable of pressures in excess of 1,000 barg, conforming to API 675
- Pressure vessels for chemical storage manufactured to ASME VIII or equivalent design codes
- For wellhead and petrochemical applications

Distribution/Metering Control Systems

- Modular/Static design
- Manual or remotely actuated
- For use with all process chemicals



Methanol Injection System



Methanol Injection System

How we operate

Maintenance

- Our maintenance commitments cover not only 'hands-on' routines but can encompass all functions traditionally performed by the client: liaison with regulatory bodies, compliance to acceptable levels of reliability, writing planned maintenance routines, scheduling work and reporting, documentation and plant history, performance monitoring, design and consultancy back-up, spares holding and procurement and providing full technical support.
- We ensure compliance of your systems to appropriate legislative standards
- Optimisation and retention of the integrity of the system
- Fawcett Christie authorised accumulator recertification centre

Design

- Our experienced design teams work to 'Best Practice', providing innovative solutions to the design extremes and challenges we face.

Manufacture

- System manufacture and assembly to BS EN ISO 9001:2008, ISO 14001:2004 and BS OHSAS 18001:2007.

Test & System Verification

- Full functional testing prior to customer acceptance and ability to tailor to individual requirements, system verification and auditable testing for all systems standards and designs.

Design

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Project Management

- HPlanning, organisation, co-ordination and control – we provide a single reliable point of contact at all our locations.

Installation and Commissioning

- An integral part of a projects requirement.

Service

- Individual customer requirements met through tailored service agreements including 24-hour response
- Engineering support
- 'Through-life' support – customised to specification, time-scale and budget for both new and established installations
- 'Healthcare' service contracts
- Norwich and Aberdeen workshop

Quality, Environment, Health & Safety

- Johnson Controls have a business management system in place and we operate in full compliance with all relevant safety legislation. Risk assessments have been undertaken for all our workshop operations, which incorporate quality, environmental and health and safety controls.



Global Strength

Local Expertise. At your service.

Our full spectrum of life safety and asset integrity solutions

- Fire & Gas Detection/Alarm
- Detection & Control
- Portable Gas Detection
- Interface Engineering
- Safety Products
- Fire Protection Systems
- Fire Safety Maintenance
- Deluge Verification
- Environmental/HVAC
- Descaling
- Audio Communications
- Fiscal Metering
- Wellhead and Hydraulic Process Control
- Security and Surveillance

United Kingdom locations

Norwich

Johnson Controls,
35 Barnard Road,
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Aberdeen

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International locations

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