

# FACILITY AND SITE SERVICES



Paladon Systems Ltd is an actuator manufacturer and valve automation centre. Our business is to design, manufacture and test all types and sizes of valve actuators and control systems. Paladon's philosophy has always been to provide comprehensive, fit for purpose and cost effective valve automation solutions to our clients and the industry sectors they serve. By building close working relationships with our customers, we are able to fully understand their operational requirements and develop all our actuator series to ensure that they meet or exceed those requirements. We have continuously improved our design, engineering, organizational, quality and management capabilities since the Company was founded in 1981.

Paladon's experience in all extremes of operating conditions has enabled us to develop actuation solutions with unsurpassed reliability. Quality is a primary part of our management philosophy, and we have held ISO 9001 certification for over 20 years. We also hold accreditation and approvals from many global institutes, engineering companies and end users.

Being close to our customers has always been a high priority. To support our increasing customer base, Paladon is located in Northampton England, Aberdeen Scotland, Pinarolo Po Italy, Moscow Russia and Kuala Lumpur Malaysia. Our Northampton England headquarters oversees all engineering, quality control and product development to ensure consistency, and to maximize organizational efficiency. To further enhance our customer support, Paladon is backed by agents operating in globally strategic locations.



# INTRODUCTION

At Paladon, we understand that our responsibility to our customers doesn't simply end with the manufacture and supply of robust valve actuation systems.

As part of Paladon Systems Total Valve Control philosophy, we believe in supporting our customers in all aspects of valve automation; from manufacture, build and test, through to site installation, commissioning and servicing.

With fully equipped manufacturing and assembly facilities, a dedicated team of onshore and offshore certified site engineers, and mobile workshops available 24/7/365, Paladon continues to set the standard in the valve automation service industry.

## FACILITY SERVICES & TEST EQUIPMENT

The following equipment is available from our English, Scottish and Italian facilities:

- **Environmental chamber** with -160°C to +350°C capability
- **Actuator torque test** equipment up to 600,000 Nm
- **Hydraulic cleanliness** measuring equipment to NAS 1638 (ISO 4406)
- **Hydraulic flushing rigs**
- **DP testing rig** up to 6,000 psig
- **Electrical, hydraulic and pneumatic test equipment**
- **Paint thickness measuring** equipment

- **Installation of electric, pneumatic and hydraulic valve actuators**, and associated control panels including complete onsite tubing installation
- **Calibration and testing** including the setting of pressure relief valves, pressure sensing valves, regulators and cam operated valves
- **Refurbishment and resealing** of valve actuators, solenoid valves, regulators, accumulators and all common pneumatic and hydraulic high and low pressure control components
- **Hydraulic flushing** of valve actuators, accumulators and control components to NAS 1638 (ISO 4406)
- **Commissioning** of valve actuated control installations, as well as water bath heaters, pressure and flow control regulating systems, oxygen and gas odorising equipment
- **Installation of valve interlocks** and manual gearboxes
- **Onsite conversions and modifications** to existing valve actuation control systems
- **Onsite support and supervision** of all common valve automation activities
- **Site surveys for valve actuated installations** complete with measuring equipment
- **Function testing** of actuated systems using onboard generator and nitrogen systems

- **PN & HY-Series Scotch-Yoke Actuators**

PN & HY-Series actuators are high performance pneumatic and hydraulic scotch-yoke actuators designed to operate any quarter-turn mechanism in both double-acting and spring-return configurations.

- **PNL & HYL-Series Linear Actuators**

PNL & HYL-Series are high performance pneumatic and hydraulic actuators designed to operate any linear valve or mechanism in both double-acting and spring-return configurations.

- **Electro-Hydraulic Control Systems**

These systems use electric pumps to pressurize hydraulic accumulators to provide hydraulic power. Stand-alone units using solar panels are also available when local utilities are unavailable or unreliable.

- **Electro Hydraulic Positional Control Systems**

Suitable for both Choke and Control Valve applications, operating from either existing ring main or self-contained power sources. Available for both Offshore Hazardous locations and Industrial Power Generation

- **DG-Series Direct Gas Actuators**

DG-Series actuators are typically used in gas pipeline applications in which the pipeline gas is used directly to power the actuators.

- **Subsea Actuators**

The robust and flexible design does not require pressure compensation for depths down to 200m. For deeper applications, a pressure compensated design is available for depths down to 2,000m.

- **Autonomous Shutdown Valve (ASV)**

The ASV is designed to provide full automatic fail-safe operation of subsea valves to isolate pipelines from flexible risers.

# CONTACT DETAILS



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