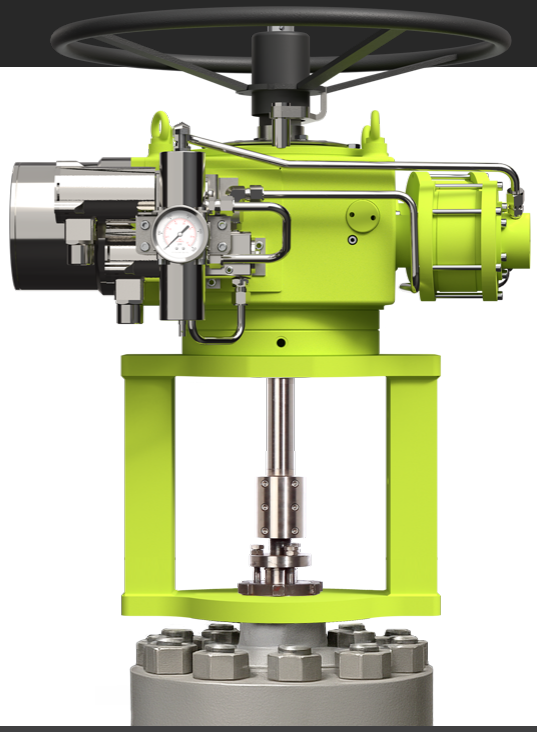
Precision Valve Control & Instrumentation

ADVANCED ACTUATORS

ENGINEERED PERFORMANCE. PROVEN RELIABILITY.



ADVANCED ACTUATORS designs, builds and supports a complete range of valve actuation and control systems from a purpose-built factory in West Yorkshire. **Since 1969** we have been **trusted by operators, EPCs and OEMs worldwide** to deliver precision control in the most demanding industries - from upstream oil and gas to nuclear power generation.

We are one of the few genuinely independent UK actuator manufacturers, and we offer one of the most comprehensive ranges available. Whatever the valve, whatever the duty, we can almost certainly actuate it.

- **55+ years of industry and device experience**
- **Independent UK actuator manufacturer since 1969**
- **Trusted in the world's most demanding environments**
- **Independent expertise across all major actuator brands**
- **Full lifecycle support, from specification to long-term service**

Oil & Gas

- Choke Valves
- Control Valves
- Shutdown Valves
- Gate Valves
- Globe Valves
- Sliding Stems

Water

- Penstocks
- Gate Valves
- Knife gates
- Roller Gates
- Tunnels
- Transmission

Power

- Turbine Bypass
- Spray Water
- Isolation
- Damper
- Start-Up
- Anti-Surge

Bulk

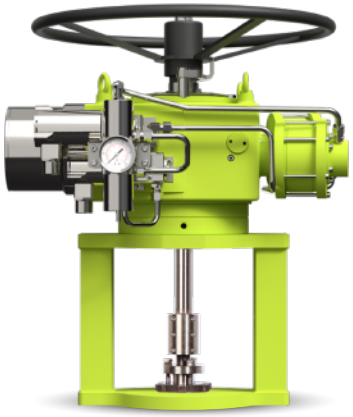
- Lifting
- Opening
- Turning
- Conveyors
- Tipplers
- Clamping

Special

- Test Rigs
- FPSO
- Ballast
- Aerospace
- Nuclear
- Subsea

Actuator Range

FOR EVERY VALVE &
EVERY APPLICATION

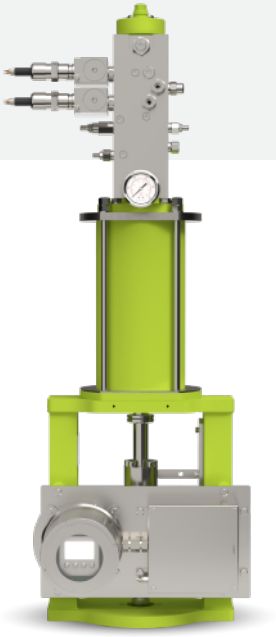


HYSTEP®

MECHANICAL STEPPER

A compact hydraulic or pneumatic stepping actuator delivering precise, repeatable valve positioning through discrete mechanical movements. Its modular design holds position securely without continuous power.

CHOKE | CONTROL | ESD



HYLINE®

LINEAR ELECTRO-HYDRAULIC

Electro-hydraulic linear actuators combining smooth, precise control with high-force output for modulating, isolation and emergency shutdown duties. Available in ring-main or compact, self-contained configurations.

GLOBE | SLIDING STEM | GATE



HYLINE®-E

ELECTRIC QUARTER-TURN

An electric quarter-turn actuator range designed for accurate, dependable valve operation and simple package integration. It extends the HYLINE family with an electric solution for rotary duties.

PLUG | DAMPER | BALL | BUTTERFLY

HYLINE®-R

HIGH TORQUE ROTARY

Pneumatic & hydraulic scotch yoke actuators, configurable as double-acting or spring-return fail-safe options.



SCOTCH YOKE | QUARTER-TURN | ISOLATION

HYLINE®-K

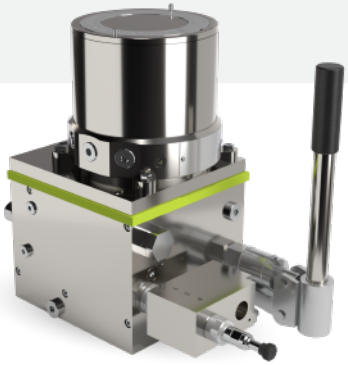
RACK & PINION ACTUATORS

Compact rack-and-pinion rotary actuators designed for reliable bi-directional operation of quarter-turn valves.



ROTARY | PNEUMATIC

Controls & Instrumentation



HYFLOW®

SMART HYDRAULIC POWER

A compact hydraulic pumping unit combining a brushless DC motor with dynamic flow, pressure and closed-loop control. Configure around virtually any hydraulic actuator application.

RUGGED | SMART | COMPACT



HYCONTROL®

POSITIONER

Configurable closed-loop position controller combining precise actuator control, position feedback and diagnostics in one compact platform. Analogue, digital and HART connectivity

4-20 mA | [Ex d]



HYTRACK®

POSITION TRANSMITTER

Dedicated position feedback transmitters combining contactless sensing with fast, accurate 4-20 mA and HART 7 output. Simple calibration and a clear display make reliable monitoring straightforward.

4-20 mA | [Ex d]

Trusted worldwide to work on major engineering projects, our comprehensive expertise and support covers remote installation, commissioning, & servicing in offshore & industrial environments.





*Our strength lies not just in the technology, but in **our people.***

Supplying Confidence

SELECTED REFERENCES

TotalEnergies · OQEP · Shell · OXY · PERTAMINA · PETROVIETNAM · PTTEP

bp · PETRONAS · ADNOC · QatarEnergy · Petroleum Development Oman · aramco · PETROBRAS

SUPPORT

Our global aftersales and support network provides genuine **spares, rapid overhaul, and full refurbishment** programmes to extend the lifespan of your assets, and ensure you remain compliant with standards like **ATEX** & **IECEx**.

ACCREDITATION

Ex · IECEx · INMETRO · CSA US · UKCA · 316 Stainless Steel · IP66 · IP68 · SUB SEA · NEMA 4X

CAPABILITIES & FACILITIES

- Design, build & testing under one roof
- ISO 9001:2015 Quality Management
- ISO 45001 Occupational Health & Safety
- Full in-house testing, diagnostics & repair



ADVANCED ACTUATORS

+44 (0) 1535 655151
sales@advanced-actuators.com