

The Rotork Group



Established Leaders in Flow Control





Introduction

rotork

For over fifty years, engineers have relied upon Rotork for innovative, dependable solutions to manage the flow of liquids, gases and powders. From safety systems that may be needed just once in a lifetime to process controls that are constantly on the move, Rotork actuators remain the clear choice, worldwide.



From its inception in the 1950s, Rotork has grown to be a major international business, listed on the London Stock Exchange and with subsidiaries all around the world.

Rotork remains the clear leader in flow control. We design and build the most reliable products, backed up by highly acclaimed customer service.

A genuine, long-term commitment to customers and partners underpins our culture of engineering excellence, making Rotork a consistently dependable choice for products and service.



rotork Controls

rotork*
Fluid Systems

rotork Gears

rotork[®] Site Services







Committed to Innovation

At every stage in the company's history, Rotork's engineers have focused on solving customer challenges - and developing new solutions - with levels of engineering skill and creativity that our competitors still cannot match.

Some innovations are adopted almost immediately, whilst others may require thousands of hours of testing and certification before they can be offered to our customers.

With every product that Rotork develops, you can be sure of one thing: That quality and reliability are an integral part.

Serving the World

Rotork has always been committed to a global customerbase, supporting operations in some of the most remote and challenging environments.

We have established manufacturing facilities across the globe which together with our own global network of local offices, regional *centres of excellence* and agents provide over 300 Rotork outlets worldwide. These provide our staff with all the training and support they need to deliver excellent service, wherever they are needed.

Whether you work directly with Rotork or engage through a partner, you can be confident that our products and support remain the best in the world.









Industry Sectors





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Oil and Gas

From offshore rigs to storage facilities and from remote pipelines to coastal terminals, Rotork is trusted throughout the oil and gas industries. Our actuators are operating reliably and safely in the most hazardous and hostile environments.

Further information on page 8.

Water and Waste Water

Optimising the efficiency and output of water supply and waste treatment facilities. Our actuation solutions are helping customers to meet the demand for higher output quality and volume in ever more competitive markets.

Further information on page 10.

Power

Helping you meet ever greater demand for clean, safe, affordable electricity. Our actuators are used in traditional, renewable and nuclear stations to maintain safety, regulate emissions and maximise operating efficiency.

Further information on page 12.

Marine

On board naval, industrial and leisure vessels, Rotork actuators meet the need for efficient, reliable operation without any wasted space. Our systems are trusted for duties including water supply, fire protection, ballast and cargo pumping.

Further information on page 14.

Mining

In some of the world's most hostile environments, Rotork actuators resist extreme heat, dust and corrosion for years on end. They keep processes running smoothly, move liquids efficiently and maintain safety systems without fail.

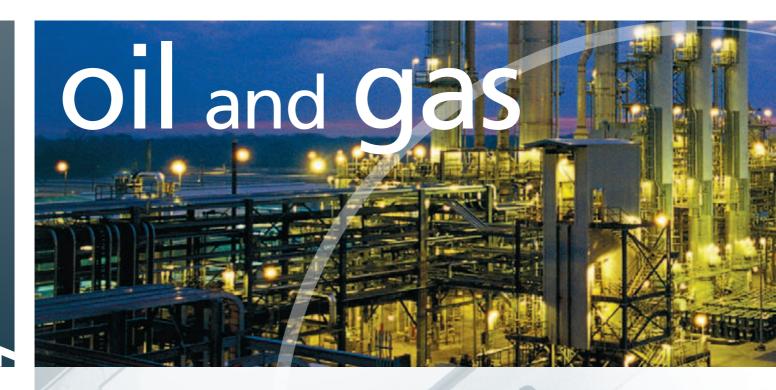
Further information on page 16.

Process Control

For food, pharmaceutical and chemical manufacturers, Rotork actuators support uninterrupted processes with an extremely high degree of reliability. With fast response, accurate positioning and flexible integration, they are perfect for plant upgrades.

Further information on page 18.

Rotork Solutions for the Oil and Gas Industries









Rotork is a trusted long-term supplier to the oil and gas industries.

Our products help maximise efficiency and safety in exploration, processing, transportation and storage.

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Upstream

Rotork is trusted by more leading contractors and has been selected for more oil and gas projects than any other actuator manufacturer.

We have worked closely with clients and partners over more than fifty years to develop actuators that are sufficiently rugged and compact, yet uncompromisingly reliable, for production environments.

Rotork actuators are equally well adapted to remote pipelines, with automatic control, dependable failsafe and typically decades of reliable operation.

Downstream

The complex and hazardous environments of refineries and storage facilities are where Rotork's reliability and safety sets us apart. For this reason our actuators are routinely selected for duties such as emergency shutdown and fire protection.

However, the majority of Rotork actuators are used in the complex processes around batching, separating and refining. Whether they are integrated with an existing controller or networked with Rotork's acclaimed Pakscan control system, our range of actuators provide precise positioning, accurate feedback and of-course, totally dependable performance.

Production

From jackup rigs to deep sea drilling platforms, Rotork actuators deliver reliable performance in the harshest environments.

Transport

Rotork actuators provide the highest levels of safe, reliable operation, whether you are pumping from ship to shore or across entire continents.

Storage

Our actuators and control systems are designed and life tested for managing the complexity of multiple product flows around the largest depot.



Rotork Solutions for the Water and Waste Water Industries



Rotork is helping water companies to meet stakeholders' demands for ever better output quality, reduced environmental impact and operational efficiency.









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By centralising or completely automating valve control, we are helping waterworks reduce operating costs and de-man remote facilities.

Output Quality

With greater automation and more precise control of processes, our customers can handle even major events, without degrading output.



Potable Water

As rapidly growing populations drive up demand for potable water, Rotork is helping providers to increase the efficiency of existing facilities and to expand their capacity cost-effectively.

With actuators installed at thousands of waterworks around the world, Rotork has in-depth expertise in the industry. This has enabled us to identify particularly beneficial innovations, including non-intrusive commissioning and wireless telemetry.

As well as supplying some of the most reliable equipment, we also provide full asset management and preventative maintenance services.

Waste Water

With strict environmental controls in force and ever greater volumes of sewage to treat, automation of processes is helping operators to reduce the risk of costly, damaging incidents.

Rotork is helping waste water companies to automate more of their plant and to build completely new facilities which bring greatly reduced lifetime costs.

The fine control, which Rotork actuators and controllers offer, is enabling operators to automate even the most delicate of operations, for consistently trouble-free operation and maintenance.

Rotork Solutions for the Power Industry









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Thermal

In a large proportion of current and new-build fossil fuel power stations, Rotork actuators play a critical role: automating plant, tightening control of processes and adding layers of safety.

Easily integrated into plant control systems, Rotork actuators are favoured for plant upgrades, including environmental improvements and cost-saving automation projects.

Nuclear

Throughout the world's nuclear plants, Rotork actuators are relied upon for some of the most arduous and safety-critical duties. Our Type NA actuators have been certified for active and passive duty, inside and outside containment areas.

Our substantial investment in the nuclear industry continues, with certification to the latest national and international standards ready for a new generation of power stations.





Hydro-Electric

Some of the world's largest hydro-electric power stations are controlled by Rotork actuators. Our units can be geared to operate the largest of valves, providing dependable control of flow through penstocks, as well as safe isolation for maintenance.

Solar Power

Rotork has been involved in concentrating solar power since some of the earliest projects. Our track record of reliable operation in remote, physically demanding locations makes our actuators a natural choice. Furthermore, for those installations relying on toxic heat transfer fluids, our safety record is particularly compelling.





Rotork Solutions for the Marine Industry



Rotork actuators have a strong track record in marine and offshore applications, delivering industry leading reliability combined with compact, space-saving designs.



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Life Onboard

Marine architects and contractors trust Rotork actuators for all the critical functions that support life onboard. From propulsion and power to ventilation, fresh water supply and black water disposal, our actuators can be relied upon for consistent, reliable operation.

Rotork actuators are also widely used for fire protection duties. In marine and offshore environments, our units are recognised as the safest choice for reliability where it really matters.

Liquid Cargo

In addition to regular maritime operations, Rotork actuators play an essential role on tankers and offshore storage vessels. When loading and unloading cargo that is often hazardous - and always valuable - our actuators and control systems are used to keep liquids going exactly where they are needed.

Dependability

A major advantage of Rotork marine actuators is that they are truly 'fit and forget', with outstanding corrosion protection and requiring next to no maintenance.

Going above and beyond the performance and dependability of our regular products, Rotork's range of marine actuators have been designed to withstand the extreme demands that may be made of them in nautical environments. Resistant against shock, fire and temporary submersion, you can rely upon Rotork actuators for uninterrupted, dependable service.



Rotork Solutions for the Mining Industry







In the harsh surroundings of a mining operation, Rotork actuators offer the highest levels of reliability, safety and control.





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Extraction and Processing

In mines and processing facilities around the world, Rotork actuators are at the heart of operations, controlling all manner of equipment including autoclaves, smelters, concentrators and acid injectors.

Our units are chosen for their high reliability, space-saving designs and ability to withstand the most corrosive and abrasive environments.

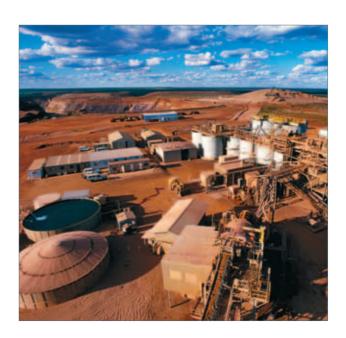
Where slurry and tailings have to be piped over long distances, our systems provide remote control and automation, including monitoring and safety applications.

Water, Power and Cooling

At mines in remote locations, Rotork plays a critical part in supplying water for people and processes. Our actuators help maximise efficiency for desalination and waste water treatment plants, as well as providing safe, clean drinking water.

Where mines are off the power grid, Rotork actuators are used extensively in electricity generation. From injectors to cooling systems, they deliver an exceptionally high degree of reliability and uninterrupted operation.

With our extensive experience of all actuation applications, Rotork actuators are seen as a particularly safe choice by mine operators and engineering contractors.



Rotork Solutions for the Process Industry







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Food Production

In many areas of food production, our actuators are making a big difference in operational efficiency and product quality.

From pressure regulation to separation control, as well as mixing of liquids, powders and gases, Rotork products are helping to increase the uniformity of end products and reduce dependence on manual adjustment.



Pharmaceuticals

For high purity products, Rotork actuators offer the extremely precise control that is needed for metering and dosing duties.

In the context of increasing price pressure, costly production outages are also minimised thanks to Rotork's exceptional reliability record and very low maintenance requirements.

Large Scale Manufacturing

From films to fertiliser and from building materials to scientific supplies, Rotork is helping manufacturers to eliminate material wastage, homogenise product quality and reduce energy consumption.

Rotork can supply actuators for the most hostile environments and suitable for installation in hazardous atmospheres.

Established Leaders



This gives our engineers the insight they need to create the innovative, dependable solutions that maintain our edge in the market.







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Research and Development

Research and development is a major part of our business, employing over 200 people at centres in the UK, USA, India, China and Australia.

Further information on page 22.

Safety and Dependability

From the basic integrity of the designs to our exacting test regimes, Rotork goes to great lengths to deliver actuators that are as safe and dependable as each situation demands.

Further information on page 24.

Over 50 Years of Reliability

Rotork products have proven themselves time and again in the harshest operating conditions. Our experience and reliability record provide the reassurance that buyers need.

Further information on page 26.

Global Operations

Rotork has research, development and manufacturing facilities around the world. Regional *centres of excellence* also provide expertise and resources for local sales teams.

Further information on page 28.

Worldwide Service

Our site service engineers are highly trained and backed by unrivalled resources. They are committed to keeping each client's operations running reliably and efficiently.

Further information on page 30.

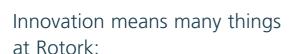
Corporate & Social Responsibility

We are proud that our success has been achieved whilst maintaining high ethical standards, including excellent employee practices and customer and partner relationships.

Further information on page 32.

Research and Development





- Addressing challenges in specific markets
- Adapting and leveraging the potential of new materials and technologies
- Developing new product ranges



Building on Market Insight

Rotork enjoys a position of trust with clients and partners, in many cases with relationships spanning decades. By sharing insights and solving problems together, we have built up a knowledgebase that extends far beyond the immediate application of our actuators.

This rich insight underpins everything we do, from the smallest incremental improvement to the development of entire product ranges.

A Culture of Innovation

From the earliest days of the company, Rotork has developed a culture in which staff know their ideas are valued. Rotork ensures that everyone can contribute their ideas - and there are valuable incentives for doing so.

In practice this has led to a wealth of improvements and innovations that have been formally adopted and delivered by our dedicated R&D teams.

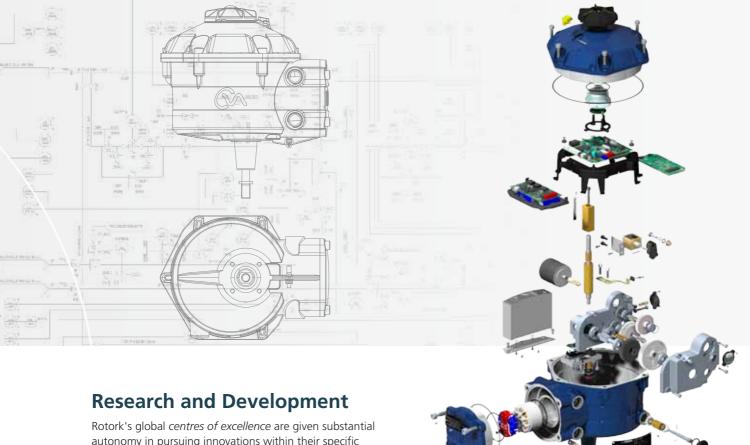
Reliability Foremost

One of the defining characteristics of Rotork products is their reliability. Customers trust us to deliver actuators that meet their specific requirements, with the highest degree of reliability.

We take this trust very seriously and are committed to delivering products that meet our highest quality control and rigorous testing standards.







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Rotork's global *centres of excellence* are given substantial autonomy in pursuing innovations within their specific market areas and fields of expertise. These centres all share information on a daily basis in order to benefit from each others' advances and discoveries.

From applications in the nuclear, marine and process control industries, to the specifics of gears and fluid control actuators, these highly focused teams have developed some of Rotork's most important innovations.

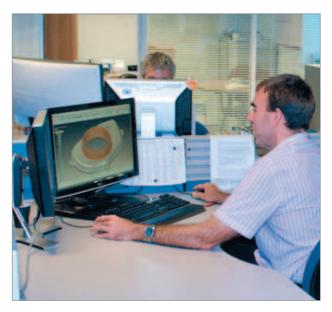
At our UK head office, where the largest of the R&D centres is located, we maintain overall control of individual projects and investments, using a sophisticated online system to underpin knowledge sharing and best practice.

Whole Product Innovation

Recognising that Rotork is first and foremost a flow control business, not just a manufacturer, we seek new ideas and incremental improvements in all aspects of product and service delivery.

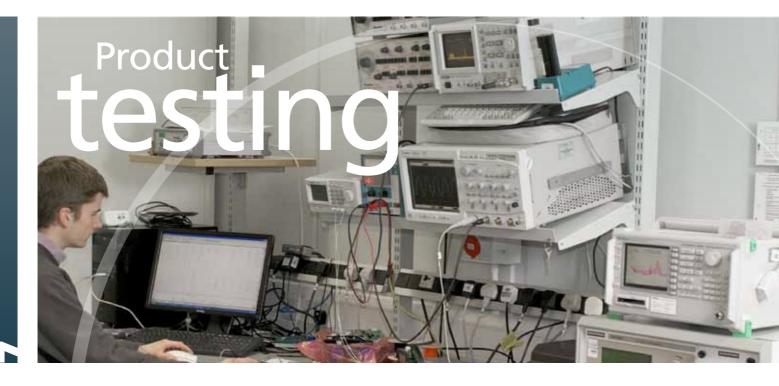
From simple changes in the way we pack and ship our products to the creation of entirely new service lines, Rotork is committed to delivering the best in flow control solutions.

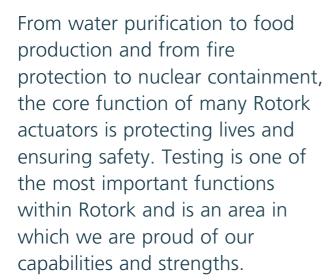




Rotork CAD Technicians.

Safety and Dependability





Exceeding Expectations

We understand that different industries and types of application demand testing to varying levels of duty. That is why our product ranges include variants which are prepared, tested - and accordingly priced - at differing levels.

Safety and Security

From our earliest innovations in safety and reliability, to the disciplines adopted within the nuclear industry, Rotork has an enviable record in delivering dependably safe products.

Our products have undergone some of the most demanding tests for explosion containment, as well as continued operation in the face of extreme heat, cold, corrosion and seismic activity.

With the growth in electronic and networked products, we have built our own expertise in-house to create standards-compliant software with high levels of security designed-in.











Test Facilities

Within all the Rotork manufacturing centres we have advanced equipment that allows us to rigorously test new designs and to assure the quality of the units leaving our factories.

We have developed automated testing software and rigs that allow test teams to switch between products quickly, without risk of human error.

By keeping practically all of our testing in-house, we can afford to carry out more testing throughout the development lifecycle, maximising our product reliability and optimising return on investment.



Certification and Standards

Our products are certified to comply with all the required international standards - and more - wherever we supply them. Exhaustive testing ensures our products are more than capable of meeting the demands of independent verification. Our products comply with the following standards and testing procedures as required:

ISO 9001 (International) **CQST** (China) PESO (India) IEC Ex (International) **ASME** (International) TIIS (Japan) ATEX (EU) KTL (Korea) GOST (Russia) BSI (UK) TÜV (Germany) Factory Mutual (USA) **NEMA** (USA) Low Voltage Directive (EU) CSA (Canada) EMC Directive (EU)



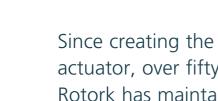
INMETRO (Brazil)



Machinery Directive (EU)

Over 50 Years of Reliability





Since creating the first modern actuator, over fifty years ago, Rotork has maintained a leadership position through innovations that have continually increased efficiency and maximised reliability.

Focusing on Reliability

Throughout the history of the company, Rotork has served customers who rely on actuators for safe, efficient operation.

Accordingly, the majority of Rotork's innovation and development has focused on producing actuators that are ever more dependable and controllable, whilst remaining easy to install and commission and providing operators with features that help streamline their workflows.

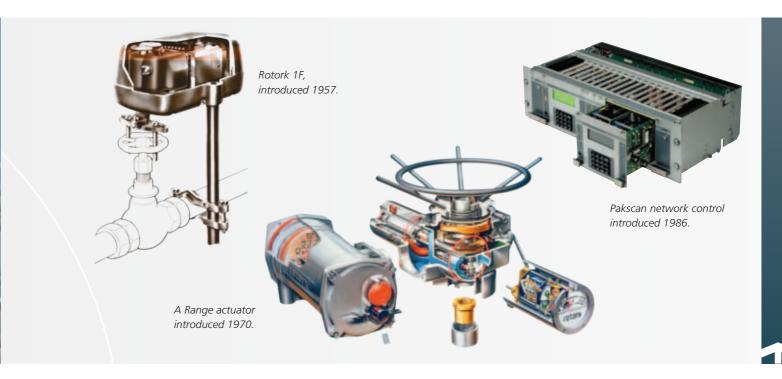












Investing in Expertise

By focusing wholly on valve actuation and flow control, Rotork has built up a level of expertise that is second to none.

With a track record of recruiting and rewarding exceptional talent, the company has developed and retained global teams with cutting edge skills in mechanical, materials, electronic and software engineering.

Strategic Acquisitions

While remaining focused on flow control, Rotork has successfully invested in numerous acquisitions to expand its product portfolio and to provide ancillary equipment and services.

By acquiring businesses that operate in closely related areas, Rotork management and engineering staff are able to add value through exchanges of ideas and practical improvements to products and operations as well as providing smaller companies wider access to international markets.

A History of Success

Since the company floated on the London Stock Exchange in 1968, Rotork has achieved consistently profitable growth through operations in an increasing number of global locations.

Rotork now manufactures a wide range of flow control products at sites worldwide, supported by a global network of local offices, regional *centres of excellence* and agents, providing over 300 Rotork outlets worldwide.

Genuine long-term relationships with customers and partners have helped the business to remain intimate with the most pressing challenges and to maintain a portfolio of products that stands apart from the competition in practically every respect.



Actuators leaving Rotork's first home at Widcombe Manor, Bath, UK ...these were still in operation 40 years later.

Global Operations





Rotork is a true global business, not only selling but also designing, developing and manufacturing products at our facilities around the world.



Global Manufacturing

Rotork's manufacturing strength has been built over more than half a century, with successful international growth and strategic acquisitions. During this time we have developed ways of working across borders and time zones that maximise local skills and links, whilst leveraging group resources and expertise.

Our manufacturing plants are sited in Europe, Asia and North America. From heavy-duty gears to nuclear-certified actuators, we are proud to be delivering the best solutions everywhere we work.

Centres of Excellence

In addition to manufacturing sites throughout the world, Rotork has regional *centres of excellence* that play a pivotal role in innovation, service and support.

Based at each *centre of excellence* are numerous engineers with in-depth expertise in specific products and markets. Most have spent substantial time at our manufacturing centres and remain involved in the product development process.

Staff at Rotork centres of excellence also support our subsidiaries and sales agents worldwide, attending clients locally to solve in-depth challenges.





Supply Chain Integration

We work closely with partners - from valve manufacturers to civil engineering contractors - who have operations throughout the world.

Our factories and *centres of excellence* are strategically sited to provide the best opportunities for collaboration and to streamline manufacturing supply chains.

International Sales

We believe that our continued commercial success and long-term relationships with clients stem from understanding their business environment thoroughly. This is why our sales organisation is structured primarily around the industries we serve, with expert sales and pre-sales engineers.

At the same time, local sales offices allow our specialists to remain in touch with regional drivers and legislative forces, as well as being close to hand when needed for information and advice.

Global Culture

Rotork has always been an international business, supporting clients wherever their operations are located. As a result we have a strongly international culture, with regular movement of staff between our many different offices and a desire at all levels to see clients and project installations first-hand.







Worldwide Service



No matter where in the world our actuators are being used, Rotork is committed to delivering the highest levels of service and support.



Commitment to Service

The excellent reliability record of Rotork actuators is reinforced by the skill of our service engineers, who are committed to maximising the continuous, fault-free operation and working lives of all our installations.

Rotork customers are supported by over 1,000 engineers, located around the world, including directly employed staff and fully-trained service agents.

These support teams are backed by Rotork *centres of excellence* which provide in-depth expertise, as well as holding stocks of specialist actuator units, components, accessories and spares.

The OEM Advantage

Our commitment to global manufacturing and *centres of excellence* means that we train our support staff to very high standards, immersing them in the culture of excellence and instilling in-depth product knowledge.

Being the Original Equipment Manufacturer (OEM), Rotork support teams have in-depth product knowledge and immediate access to parts and factory assistance.

Our support teams also have access to our proprietary information system which provides detailed data on all the actuators we have ever manufactured.

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Designing and Installing

To help clients find the best actuation solution for each application, our experienced engineers become involved from the earliest stages of many projects.

During installation and commissioning we work closely with partners, often as part of very large project teams. Our engineers provide the best possible integration with almost any valve hardware and the most complex control systems.

Maintenance and Certification

To maximise the working life of actuators, avoid unit failures and eliminate unplanned downtime, Rotork provides tailored packages of preventative maintenance.

Where required, we help customers put in place effective inventory management, to help highlight priorities and guide decision-making.

Our maintenance programmes cover regular servicing through to refurbishment and end-of-life replacement, taking into account the duties of each actuator.

On sites where regular re-certification is a legal requirement, Rotork engineers are able to carry out the necessary inspections and provide the statutory paperwork.







Corporate and Social Responsibility





environmental impact.

We have always believed that a sustainable, profitable business needs to be efficient, to minimise waste and to work in partnership with staff, suppliers and communities.

As public awareness of environmental and social issues has increased, these values have stood us in good stead and we have taken steps to quantify our contributions.



Managing Carbon Emissions

We track our direct and indirect carbon emissions (Scope 1 and Scope 2), group-wide. We have developed an intranet application that supports accurate data gathering from all our operations.

We have been open in publishing all our emissions data through the Carbon Disclosure Project, the world's largest database of corporate climate change information.

We are also engaged in a project to assess the full carbon footprint of each of our main products (Scope 3 emissions). This is a thorough, time-consuming process, but we are committed to publishing this data as it is confirmed.

Trading Ethically

Over more than fifty years Rotork has built a successful business on the basis of long-term customer relationships. Indeed, many of our customers have benefited from working with us since the earliest days of the company.

We are also committed to nurturing strong supplier relationships, including help for smaller companies where necessary to grow with us and maintain quality standards.

Our staff are expected to act always with integrity and honesty; adherence to the applicable policies and procedures are audited worldwide.

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Respecting People

Wherever Rotork operates, there is a culture that values our people and their contributions. From the 'Winning Ideas' programme - which rewards staff for their suggestions - to employee consultations and surveys, we make real investments to engage employees in the company's success.

We are also proud of the extent to which Rotork develops talent locally in the countries where we operate. We offer graduate and apprenticeship schemes, as well as providing staff with excellent education and training opportunities.

Supporting Communities

Rotork is committed to giving to charities and supporting the communities in which we operate.

Each year we select a charitable cause to which a proportion of group profits are donated. In recent years we have given support to WaterAid.

At a local level, we foster partnerships with other charitable and voluntary organisations. We provide support and encourage staff to take a lead in activities which benefit educational, cultural and sports initiatives.





Group Portfolio







rotork*

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Controls

Electric actuators and control systems

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rotork*

Fluid Systems

Fluid power actuators and control systems

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rotork®

Gears

Gearboxes and gear operators

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Projects, service and retrofit

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Electric Actuators and Control Systems

rotorkControls

Rotork Controls is the largest division within the group. Specialising in heavy-duty valve actuators, it is the largest independent manufacturer in its sector. Manufacturing plants are located in the UK, USA, China, Malaysia, India and Spain.

Rotork Controls remains the leading innovator and supplier of electrically-operated valve actuators and control systems. Our products were the first to feature advances such as the double-sealed enclosure, non-intrusive infra-red commissioning and intelligent predictive maintenance capabilities.

A large proportion of research, development, manufacturing and testing remains at our head office in Bath, UK, although our centres in North America and Asia also play a major part in all these functions.

Rotork Controls delivers the following product ranges:

- Intelligent Multi-turn and Quarter-turn Valve Actuators
- Rotary and Linear Control Valve Actuators
- Heavy-duty Rotary and Linear Valve Actuators
- Small Rotary Valve Actuators
- Water-tight Rotary Valve Actuators
- Network Control Systems









IQ Pro **Multi-turn actuators**



A/AWT **Multi-turn actuators**



IQT Pro Quarter-turn actuators



Single-phase quarter-turn



IQM Pro **Multi-turn modulating actuators**



ROM Compact and lightweight design



NA **Nuclear applications**



GPSA Smart valve actuators



CVQ Range Rotary control valve actuators



1000 Series **Linear and Rotary actuators**



CVL Range Linear control valve actuators



2000 Series **Heavy-duty linear actuators**



Heavy-duty linear actuators



Pakscan Control and monitoring network system



For further details on Rotork Controls product ranges, refer to PUB001-001 and PUB041-001 or visit rotork.com

Fluid Power Actuators and Control Systems

rotork Fluid Systems

Rotork Fluid Systems specialises in manufacturing and supporting fluid power actuators and control systems, used in a wide range of applications. Manufacturing plants are located in Germany, Italy, Sweden and the USA.

Rotork Fluid Systems provides a wide range of specialised fluid control actuators, optimised for applications in oil and gas exploration and transportation; for water and wastewater treatment; for power generation; and for pharmaceutical and process industries.

Our research and development functions include specialists in different industries and applications, as well as engineers who are focused on technical product advances.

Rotork Fluid Systems delivers the following product ranges:

- Pneumatic Rotary and Linear Valve Actuators
- Hydraulic Rotary and Linear Valve Actuators
- Electro-hydraulic Valve Actuators
- Subsea Valve Actuators
- Vane-type Pneumatic Valve Actuators
- Smart Valve Monitoring Systems
- Control Systems







CP

Scotch yoke actuators



RC
Compact scotch yoke actuators



GP/GH/P/H

Scotch yoke actuators



Skilmatic
Electro-hydraulic and
Scotch yoke actuators



RH

Rack and pinion actuators



DHHydraulic vane damper



GO

Gas-oil actuators



Hiller
Fluid power actuators
for Nuclear applications



LP/LH

Linear actuators



SVMSmart valve monitor

HPG

Direct high-pressure gas actuators



HPU

Hydraulic power units



manPOWER

Self-contained failsafe actuators



Twin Power

Multi-turn fluid power actuators



GSH/GSR GSL/GSP

Subsea actuators



K-Tork

Vane-type pneumatic actuators



For further details on Rotork Fluid Systems product ranges, refer to PUB010-001 or visit rotork.com



Gearboxes and Gear Operators

rotork Gears

Rotork Gears supplies specialist gearboxes, accessories and custom adaptations for valve actuation projects throughout the world. Production facilities are located in the UK, Netherlands, Italy, China and the USA.

Rotork Gears provides the widest range of valve gearboxes in the world. Our products are designed to withstand the challenges of the harshest environments, including subsea and nuclear.

We also provide a complete range of mounting brackets, extension shafts, pedestals and accessories for the valve and actuator industry.

Where client projects require that valves and actuators be specially adapted, our engineers offer expert consulting and design services.

Rotork Gears delivers the following product ranges:

- Manual and Motorised Multi-turn Gearboxes
- Manual and Motorised Quarter-turn Gearboxes
- Worm Gear Quarter-turn Gear Operators
- Subsea Quarter-turn Gear Operators
- Override Quarter-turn Gear Operators
- Mounting Kits and Accessories









IW

IW manual & motorised 1/4 turn gearboxes



WGS

WGS subsea 1/4 turn operators



AB

AB worm gear 1/4 turn operators



Mounting Kits

Ball, butterfly and plug valve kits designed to order, precision CNC machined in stainless steel



232

232 worm gear 1/4 turn operators









ILG-D

ILG-D override 1/4 turn operators



ILG-S

ILG-S override 1/4 turn operators





IB manual & motorised multi-turn gearboxes



IS

IS manual & motorised multi-turn gearboxes



For further details on Rotork Gears product ranges, refer to PUB027-001 or visit rotork.com





Projects, Services and Retrofit

rotorkSite Services

Rotork Site Services specialises in projects, services and retrofit. It is active in 47 service centres in over 20 countries around the world, with agents providing support services in another 55 countries, bringing the total number of expert technicians supporting Rotork customers to well over 1,000.

Rotork Site Services provides a comprehensive range of service products, each specifically tailored to meet customers' requirements.

Emergency and planned service encompasses installation, commissioning, upgrading, installation of control systems, troubleshooting and repair of damaged or deteriorating assets. Actuator overhauls are performed in Rotork workshops to bring long service units back to guaranteed 'as new' condition. Health checks enable customers to prioritise maintenance and replacement planning whilst preventative maintenance enhances the integrity of actuators to maximise plant utilisation.

Rotork Site Services has a wealth of experience in retrofitting new actuators to valves, penstocks and dampers installed on existing plant, as well as the factory assembly of new valves and actuators for plant upgrades and extensions. Capabilities for extended scope projects include surveys, design, procurement, manufacturing and commissioning to cover the broad scope of activities surrounding actuation projects.

Visit **www.rotork.com** to identify your nearest Rotork Site Services centre.







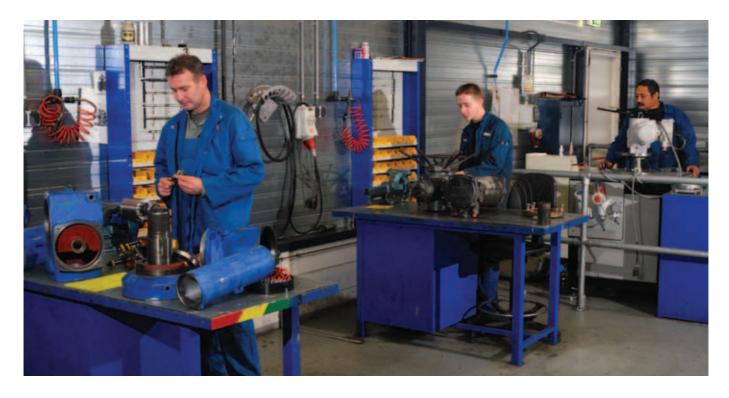
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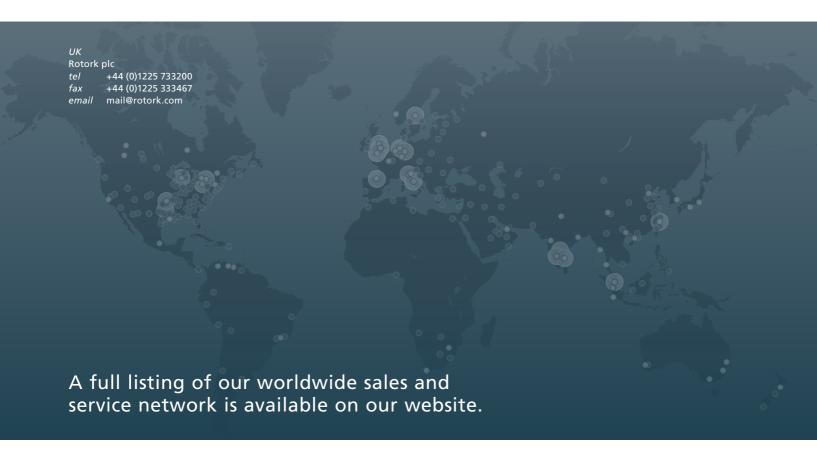






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