

rotork®

Site Services

Rotork UK

Projects and Services



Automation Projects and Maintenance Services

Redefining Flow Control

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rotork® Site Services

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Rotork is the global market leader in valve automation and flow control. Our products and services are helping organisations around the world to improve efficiency, assure safety and protect the environment.

We strive always for technical excellence, innovation and the highest quality standards in everything we do. As a result, our people and products remain at the forefront of flow control technology.

Uncompromising reliability is a feature of our entire product range. From our flagship electric, pneumatic, hydraulic and electro-hydraulic actuators, through to process instruments, gearboxes and valve accessories.

Rotork is committed to providing first class support to each client throughout the whole life of their plant, from initial site surveys to installation, maintenance, audits and repair. From our network of national and international offices, our engineers work around the clock to maintain our position of trust.

Rotork. Redefining flow control.

Introduction

Rotork understands the value of prompt and punctual customer site services.

We aim to supply our customers with superior flow control solutions by providing high quality innovative products and superior service – **on time, every time.**

Rotork actuators are recognised as the best in the world for reliability and safety in the most demanding applications. To maintain this hard-earned leadership position, Rotork Site Services is committed to helping clients to maximise the continuous, fault-free operation and working life of all their actuators.

With established operations and service centres throughout the UK, we are able to offer same-day or next-day service to all our customers. Our Rotork factory trained engineers have skills in both multi-purpose and industry specific applications and carry with them spare parts and specialist test equipment. Our operations utilise a documented Quality Management system established in accordance with ISO9001.

Rotork Site Services aims to be your number one choice for taking care of fault diagnosis, service repairs, scheduled maintenance and system integration needs. Whether you have an actuator requiring on-site servicing, a custom design service requirement or a new actuator installation, we can deliver the fastest turnaround with the least plant disruption.

rotork[®]
Site Services

*Giving You Peace of Mind, Guaranteed Quality
and Improving Your Site Efficiency*



Our services within the UK are listed below and are explained in detail in this brochure:

Field Service

- Repairs and Upgrades
- Loan Actuator Service
- Health Checks / Preventative Maintenance
- Shutdown Services
- Installation and Commissioning
- Certified Inspection and Safety Checks

Workshop Services

- Upgrades
- Overhaul
- Repairs
- Factory Fit
- Testing

Retrofit Services

- Motorising and automating manual valves / penstocks / dampers
- Fast track drive-nut replacement and machining capabilities
- Replacement of old obsolete actuators with the engineered solution of a modern actuator (all brands)
- Upgrade of existing installed base
- System automation

Rotork Automation Projects

Every year Rotork carry out significant control and automation projects throughout the world

This is a growing requirement from our customers who are often looking for a complete flow control solution to automate part or all of their processes

Our capabilities cover all of the project phases:

- Quantity Surveying
- Detailed Mechanical and Electrical (M&E) Design
- Competitive Procurement and Timely Expediting
- Technical, Manufacturing and Quality Monitoring
- Professional Installation and Commissioning
- Mechanical, Electrical, Instrumentation, Control and Automation (MEICA)
- Plant Optimisation
- Control Systems Integration
- Detailed Project Management ensuring project delivery **on-time, every-time**

Experts in Flow Control Solutions

With over 50 years experience in the valve and actuator industries, Rotork has expertise and specialist knowledge of every aspect of flow control. We have actuators in service that were installed over 40 years ago and require little or no maintenance, just health checks and performance analysis to keep them in perfect working order.

Rotork's engineering teams are experts in the design and implementation of actuation solutions for all circumstances and environments. Our knowledge base draws upon previous installations and environmental situations from all around the world.

Our track record of undertaken engineering projects in the UK is second to none. Rotork is trusted by major utility and industrial companies throughout the UK to design, install and maintain their actuation stock. We keep their plants operating at peak efficiency, helping them to be more profitable and at the same time meet ever tightening industry watchdog requirements.

We have the knowledge and expertise to design, build and install any standard or custom installation for you, anywhere throughout the UK.



Achilles Accreditation



Certificate No: OHS 92261

Location: Rotor UK Limited, Ragna House, Ring Road, Bawtry, LE15 4ET, United Kingdom

Registered Activities: Design, manufacture, supply, site installation and service of: Industrial valve and damper gearboxes. Hydraulic, pneumatic, electro-hydraulic and electric valve and damper actuators and control systems for industrial and hazardous environments. Mounting kits and accessories for valves, actuators and associated products. Maintenance of industrial equipment for industry and utility companies.

The company operates under the following trading names: "Rotor UK", "Rotor Gears" and "Rotor Fluid Systems".

The design, manufacture and supply of mounting kits and accessories for valves, actuators and associated products. The company operates under the following trading names: "Rotor UK", "Rotor Gears" and "Rotor Fluid Systems".

Rotor UK Limited, Ragna House, Ring Road, Bawtry, LE15 4ET, United Kingdom

bsi.

Certificate of Registration

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM

This is to certify that: Rotor UK Limited, Ragna House, Ring Road, Bawtry, LE15 4ET, United Kingdom

Originally registered: 15/01/2006

Holds Certificate Number: OHS 92261

Design, manufacture, supply, site installation and service of: industrial valve and damper gearboxes; hydraulic, pneumatic, electro-hydraulic and electric valve and damper actuators and control systems for industrial and hazardous environments; mounting kits and accessories for valves, actuators and associated products; maintenance of industrial equipment for industry and utility companies. The company operates under the following trading names: "Rotor UK", "Rotor Gears", "Rotor Fluid Systems", "Rotor", "Rotorvalve" and "Rotorflex".

For and on behalf of BSI: Gary Fenton, Global Assurance Director

Latest issued: 15/01/2015 Expiry Date: 01/02/2015

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18001 Environmental Accreditation

Certificate No: FM 02245

Registered Scope: Design, manufacture, supply, site installation and service of industrial valve and damper gearboxes. Design, manufacture, supply, site installation and service of hydraulic/pneumatic, electro-hydraulic and electric valve and damper actuators and associated control systems for industrial and potentially hazardous environments. Design, supply, installation and maintenance of industrial equipment for industry and utility companies. Design, manufacture and supply of mounting kits and accessories for valves, actuators and associated products. The company trades under the names of "Rotor UK", "Rotor Gears", "Rotor Fluid Systems", "Rotorvalve" and "Rotorflex".

bsi.

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

This is to certify that: Rotor UK Limited, Ragna House, Ring Road, Bawtry, LE15 4ET, United Kingdom

Originally registered: 02/11/1989

Holds Certificate Number: FM 02245

Design, manufacture, supply, site installation and service of industrial valve and damper gearboxes; hydraulic, pneumatic, electro-hydraulic and electric valve and damper actuators and control systems for industrial and hazardous environments; mounting kits and accessories for valves, actuators and associated products; maintenance of industrial equipment for industry and utility companies. The company operates under the following trading names: "Rotor UK", "Rotor Gears", "Rotor Fluid Systems", "Rotor", "Rotorvalve" and "Rotorflex".

For and on behalf of BSI: Gary Fenton, Global Assurance Director

Latest issued: 26/09/2013 Expiry Date: 02/09/2015

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ISO 9001 Accreditation

NICEIC

This is to certify that: Rotor UK Limited, Ragna House, Ring Road, Bawtry, LE15 4ET, UNITED KINGDOM

Has been assessed as having the technical capability to carry out electrical installation work in accordance with the requirements of BS 7671 and is licensed or Registered for the following categories: Approved Contractor Scheme

Environment or Registration is subject to the business continuing to comply with the NICEIC requirements, which will be monitored by NICEIC during surveillance visits.

Enrolment Number: 038348000

Accredited Certification: 19th September 2002

Alan Wells, Certification Director, Ascentra Group Ltd

NICEIC

NICEIC Accreditation



Field Services

Rotork provides prompt customer field service response for all types and makes of actuator including those in hazardous environments such as nuclear and off-shore installations. Our support can be planned or in response to emergency situations.

Rotork Site Services are specialists in actuation services:

- All types and brands of actuators serviced and repaired
- Installation and commissioning services
- Upgrade, troubleshoot and repair/replacement of damaged or deteriorating assets
- Fully trained and qualified service engineers
- Fully equipped fleet of service vans
- Majority of repairs carried out on-site, not taken away
- Loan actuator service to minimise plant downtime
- Guaranteed emergency response times



Workshop Services

The overhaul, repair and upgrade activities performed in our workshops are an integral part of the life-of-plant asset management support offered by Rotork Site Services.

Rotork actuators up to 30 years old are supported and on completion of work, every overhauled actuator is given a new 1 year warranty and test certificate confirming that its performance is identical to the day that it was first built.

We also service and repair all major brands of actuators. Our service teams have many years of experience in the overhaul and repair of non-Rotork actuators. Again, we provide a new 1 year warranty upon completion of overhaul or repair work.

There are proven benefits to having a certified workshop overhaul in comparison to a complete actuator replacement:

- Less downtime than waiting for a replacement
- No valve modifications or machining of adaptions/drive-nuts
- Certification and calibrated torque/thrust testing
- New warranty of 12 months from date of commission on site, if carried out by a Rotork technician



Factory Fit

The careful assembly of penstock valve and actuator is critical to ensure that an automated valve performs correctly and reliably. There is a growing need for actuators to be installed on valves after they have left the valve manufacturer's factory.

With our complete range of electric and fluid-power valve actuators we can automate all valve types regardless of the available power supplies. Working with the engineer responsible for the specification, we will select the correct actuator type and size based on the basic valve data and the plant operational criteria.

- Careful assembly of valve and actuator by factory trained technicians in a controlled workshop environment
- Rotork selects the optimal actuator type and size based on the valve and installation specifications
- Competitive valve procurement solutions
- We engineer and manufacture all components necessary to mount the actuator to the valve
- **Extended Warranty** given when the valve and actuator are commissioned on-site by Rotork service engineers - Contact your local service centre to discuss this option



Loan Actuator Service

Our service technicians and workshops carry a large stock of loan actuators for immediate response situations. We can install a loan actuator and take your faulty unit away for overhaul or repair during same-day or next-day service call outs.

Our service workshops stock a wide range of loan actuator types to suit most installation requirements.

- Essential service for critical plant applications
- Minimises plant downtime
- Efficient way to repair your actuators
- No need to isolate your process to facilitate repair



Original Equipment Manufacturer (OEM) Spare Parts

Ensuring the continued operation of all your actuators, both Rotork and non-Rotork is of critical importance. To achieve this we only use original manufacturer parts. We also provide a 12 month warranty on all the work we carry out.

- Our team handle all aspects of the supply of spares from technical support, quotations, order processing and shipping
- Rotork tailor make recommended spares packages to suit new and existing sites of all sizes and for all applications
- We stock a large quantity of OEM spares for all major brands of non-Rotork actuators at our service centres
- Rotork has developed an extensive on-line part finder resource to support our customers throughout the life of their actuators – From initial sales enquiries, through specifying actuator configurations, sizing guides, wiring diagrams, service, support, and even parts information and CAD drawings for individual actuators



Shutdown Services

Actuators are recognised as major contributors to efficiency, economy and safety. They facilitate the quick start-ups demanded by today's commercial pressures and play their part in meeting the emission reductions demanded by environmental legislation.

- We provide actuator removal, service, repair, test, re-connection and re-commissioning on a wide range of electric, pneumatic and hydraulic actuators, including other manufacturers units
- Clients frequently use Rotork Site Services to remove, overhaul, reinstall and commission hundreds of actuators at the same time in our workshops during shutdown periods
- We can carry out upgrade projects simultaneously to ensure that customers make the most of their plant shutdown time
- We excel at meeting tight shutdown schedules
- We guarantee that your actuators are fully operational in time for your return to service deadlines



Preventative Maintenance and Health Checks

Rotork actuators are designed and built to last – an attribute that is valued by many Rotork customers who have products dating back to the 1960s and 70s still in operation.

Like all industrial plant, our actuators are often exposed to hostile environments or at times can be stressed or damaged by unpredictable events.

As a result, for customers who want to maximise their plant operability, we offer health check and preventative maintenance services including:

- Prioritised maintenance and upgrade paths for your plant which are agreed with you to meet your efficiency targets and operational priorities
- Obsolescence management to manage deteriorating assets and plan for the future
- Compile asset database to assist plant development
- Preventative maintenance prevents costly downtime and plant failures
- Tailored agreements to suit your needs
- Together we can be **Preventative, not Reactive!**



rotork Site Services

Print/Preview Save(PDF) Save(xls)

Rotork UK Limited
Brassmill Lane, Bath, BA1 3UQ
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IQ/IQT Inspection Checklist

Date: 31st April 2013
Engineer: Tom Daly

Contact: Mike Palmer

Job Number: 74912120
Customer: Penrith Power Company
Site Address: Longway Road, Penrith, Cumbria

Actuator Details		Valve Details		Gearbox Details (if applicable)	
Serial Number:	56924	Maker:	AuLimit	Serial Number:	
Size/Type:	Size 3	Type:	Quarter-turn	Type:	
Wiring Diagram:	PUB223-092-28	Size:	324-326	Ratio:	
Speed:	28-54	Tag Number:	0583-589		
Supply Voltage:	110 VDC	Location:	Flue Gas		

External	Comments
Base Studs/Nuts:	Corrosion evident
Cable Entries:	Perfect condition
Blanking Plugs:	Need replacing
Cover Bolts:	Corrosion evident
L/S/R Knob:	n/a
Open/Close Knob:	Perfect condition
Padlock Bar:	n/a

Electrical	Comments
Contactors/SSS:	n/a
Power Supply PCB:	Some damage - needs replacing
Main PCB:	Some damage - needs replacing
Resolver PCB:	Perfect condition
Local Switch PCB:	Foundation card - Perfect condition
Option PCB (1):	Perfect condition
Option PCB (2):	Some corrosion present - needs cleaning.
Wiring Looms:	Perfect condition
Plugs & Sockets:	
Local Indication:	
Standard Battery:	Has been damaged - needs replacing.
Failsafe Battery:	Perfect condition
Int Terminations:	Perfect condition
Ext Terminations:	

Other Checks	Comments
Gearbox Condition:	Acceptable.
Stem Condition:	Some corrosion - need cleaning and treating.

External	Comments
Hand/Auto Lever:	Perfect condition.
Handwheel:	Perfect condition.
Window:	Perfect condition.
Cover Tube:	Perfect condition.
Drive Bush:	Perfect condition.
Retainer:	Perfect condition.
IQT Stop Bolts:	Perfect condition.
Clutch Operation:	Perfect condition.
Centre Column:	Perfect condition.
Worm/Wormwheel:	Perfect condition.
Resolver Seal:	Perfect condition.
Handwheel Seal:	Need replacing due to external damage.
Base Seal:	Perfect condition.
Bearings:	Perfect condition.
Oil Level/Condition:	Perfect condition.
Oil Drain Plugs:	Perfect condition.
Cover 'O' Rings:	Perfect condition.
Flame Paths:	
Motor	
Continuity:	60 Ω
Insulation:	55 Ω
Sense Winding:	60 Ω
Rotor:	60 Ω
Seal:	

Rotork Automation Projects

Every year Rotork carry out significant control and automation projects throughout the world. This is a growing requirement from our customers who are often looking for a “one stop shop” to automate part or all of their processes.

Our capabilities cover all of the project phases:

- Quantity surveying
- Detailed design
- Competitive procurement and timely expediting
- Technical, manufacturing and quality monitoring
- Professional installation and commissioning
- Detailed project management ensuring project delivery **on-time every-time**

Our Projects Team have years of experience specialising in the broad scopes of work that typically surround actuation projects, including but not limited to:

- Civil works
- Pipe works and flow control systems
- Actuated valve and penstock installations
- Power distribution, control networks, cabling
- Control system design and installation, field communications, telemetry
- Mechanical access, structures, gantries, screens and walkways

We have a vast wealth of global experience in:

- Flow control projects
- Flood prevention projects
- Plant upgrade
- Plant maintenance
- Safety critical systems design and installation projects
- Obsolescence management
- Automation and retrofit projects
- Custom design installations
- Mechanical, Electrical, Instrumentation, Control and Automation (MEICA) specialists
- Flow control systems, pressure sustaining systems, PID control loops
- Plant optimisation





Redefining Flow Control

Flow Control Systems

Rotork design, manufacture and supply complete control systems to suit all your flow control requirements.

In addition to our own Pakscan system and other network control protocols we have extensive expertise in the design manufacture and installation of custom control systems for the specialist fields of pressure, temperature, level, and flow control schemes throughout the process control world.

From complex complete control room touchscreen HMI to a simple wall mounted control panel, Rotork have years of experience in interpreting your precise requirements and optimising your plant and control systems.

Our flow control solutions include:

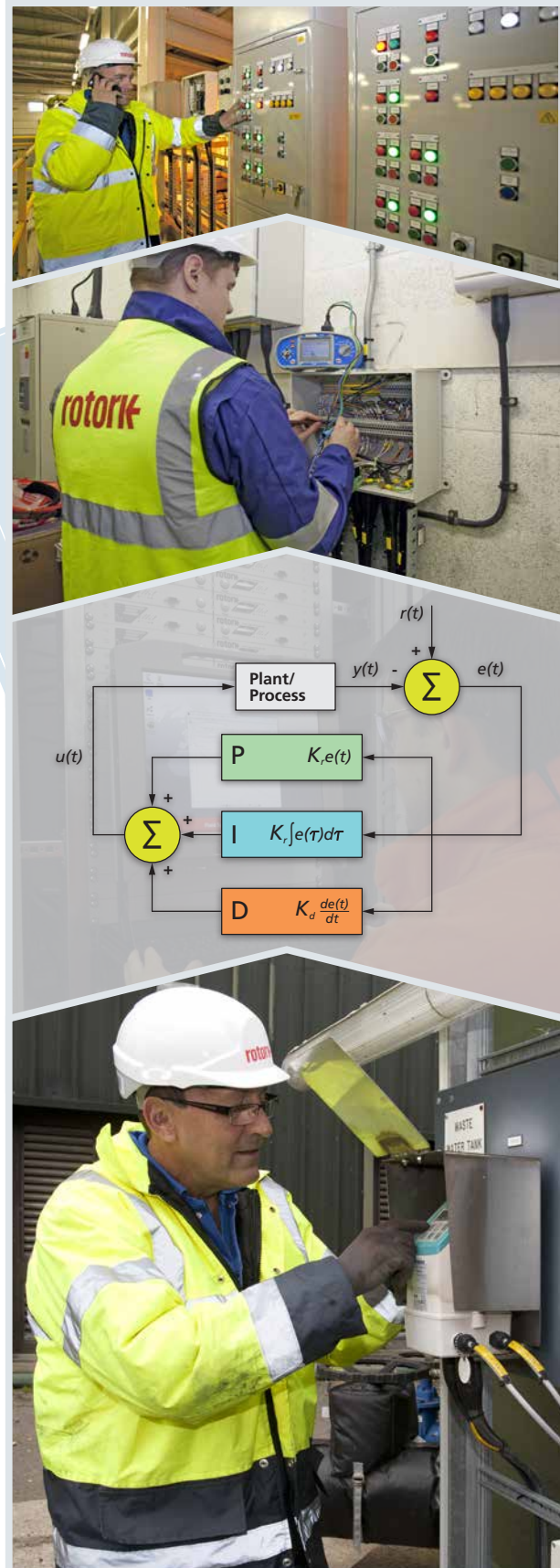
- Single-actuation control panels
- Multi-actuation control panels
- Auto/manual stations
- Mimic panels
- Instrumentation panels
- PID control
- Complete plant control desks
- HMI soft desk control
- Pakscan master station for network control
- All major network control systems

Our system designers will provide you with a detailed plant specific proposal, customised to suit your plant requirements.

Complete design, installation and integration into your plant control systems are all undertaken by Rotork.

With over 50 years' experience in actuation and automation of flow control systems in all industries, our system design engineers and installation teams are second to none.

- Flow control projects
- Flood prevention projects
- Plant optimisation
- PID loop optimisation
- Control system integration
- Uninterrupted Power Supplies (UPS)
- Failsafe control systems SIL 3
- Control and monitoring
- Power and control systems
- Data logging
- Safety critical systems design and installation projects





Client Support Programme

Rotork UK offer a premium level of product reliability and availability through the flexible Client Support Programme.

Designed to facilitate the highest production demands while providing a tiered approach to maintenance, the Client Support Programme is committed to reducing maintenance downtime and costs.

Through consultation, the Client Support Programme is tuned to deliver the optimum level of maintenance through predictive maintenance algorithms.

Features of the Client Support Programme are:

- Fixed term prices for Rotork products and services
- Customisable cover based on equipment criticality to production
- Equipment performance related targets for reliability and availability
- Priority support with customisable response times
- Fully parts and labour inclusive, no additional costs or discounted labour and parts
- Fix or replace options
- Periodic equipment performance and status reports
- Built-in regular health checks on all equipment

Benefits of the Client Support Programme include but are not limited to:

- Year-on-year reduced maintenance costs
- Easy budget management
- Maximised production – reduced downtime
- Year-on-year improved reliability and availability
- Optimised resource usage, accelerate in-house projects
- Reduced lifecycle costs

The Client Support Programme covers service and on-site repairs of all brands of actuators for the Power, Water, Utilities and Oil & Gas Sectors throughout the UK.

For further information, or to arrange a consultation please contact one of our dedicated sales team or service managers.

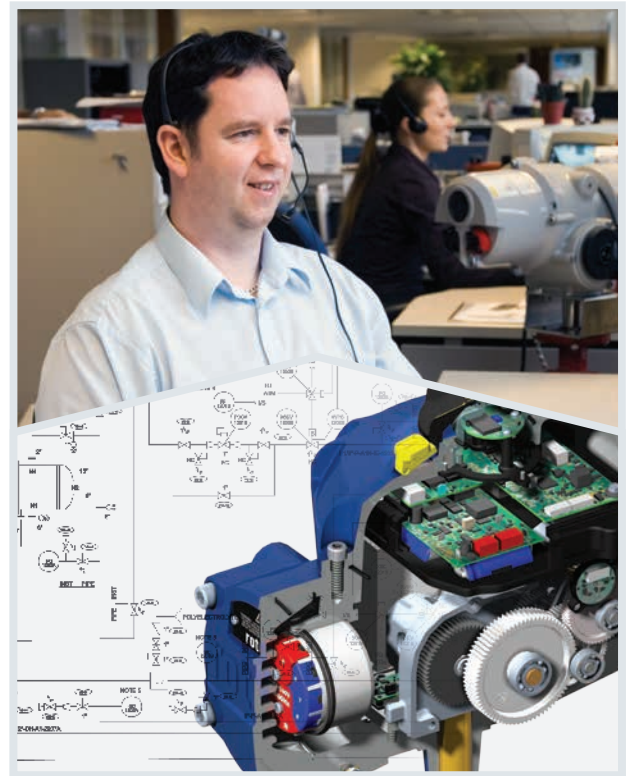


Technical Support

With Rotork actuators being used in increasingly diverse applications, support is fundamental to ensure the correct selection of suitable equipment. Rotork has a team of Sales Support and Applications engineers who provide technical and application support for Rotork products of any age.

Most of the technical queries can be answered satisfactorily by our experienced Sales team, however for the more detailed questions the Sales Support team can be called upon for extra help.

At Rotork we have many "e-learning systems" to help facilitate a quick and complete response. The systems include a document management system, manufacturing systems and most importantly a query logging system.



Product Training

Rotork products are designed and manufactured to the highest possible standards of engineering - a principle that drives all areas of our business. So when it comes to product training, you can benefit from the best.

All our training is tailored to your requirements. The pre-training questionnaire will determine what sort of training you require and the type of equipment you have on site, even down to specific serial numbers and wiring diagrams. Using this information, a training programme can then be created to fulfil your specific needs.

As part of a typical course, complete actuators will be stripped down and rebuilt. Building on their own skills, students will soon be conversant with all aspects of Rotork actuator maintenance and repair.

- Comprehensive training facilities at our Leeds and Bath locations to meet your training requirements
- Tailored to end user's plant and the experience of attendees
- Certification and documentation provided
- Suitable for maintenance personnel, foremen and supervisors
- On-site training service also available





Redefining Flow Control

Rotork Site Services UK

Rotork Site Services – Leeds

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workshop services 0113 205 7243
site installations 0113 205 7233
email ServiceLeeds@rotork.com

Rotork Site Services – Bath

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workshop services 01225 733267
site installations 01225 733230
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A full listing of our worldwide sales and service network is available on our website.

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this product range

