

The Rotork logo is displayed in a bold, red, sans-serif font. The letter 'k' is stylized with a horizontal bar that extends to the right and then curves downwards. A registered trademark symbol (®) is located at the top right of the 'k'.

rotork®

Keeping the World Flowing
for Future Generations

Fuel Terminals Overview





Fuel Terminals

Working with production industries for more than 60 years, we have partnered with fuel terminals and legislative bodies to improve process efficiency, reduce energy consumption, maximise uptime and minimise pollution.

Our products and flow control solutions are important components in all areas of fuel terminals.

- Valve actuators are used for terminal operations including vapour recovery and marine spill response systems
- Fail-safe flow control is specified in Safety Instrumented Systems (SIS) such as remotely operated shutoff valves
- Precision instrumentation is used in applications such as metering, blending and additive injection
- Network control systems are used to control and/or monitor processes and analyse performance

Rotork products are known for accuracy and reliability, reducing process waste and increasing efficiency. Our reliability delivers longer product lifespans, reducing plant maintenance and increasing profitability. Rotork products pay for themselves many times over during their life cycles.

This is why Rotork is specified as the flow control partner of choice for the global oil & gas industry.

Understanding Your Challenges

Working closely with oil and gas partners allows us to understand your fuel terminals business and know the challenges that you face.

We are aware of the environmental, societal and legislative pressures that mean the oil & gas industry has to improve its operational processes.

Operational costs

Accelerating digitisation and automation to improve operational efficiency will position terminal operators more competitively in turbulent and highly legislated markets.

Increasing production

World populations and demand for energy are increasing. Rotork products help you extract resources accurately and with repeatable precision, maximising production.

Reducing emissions

We understand the need to minimise emissions. Eliminating process leaks, capturing and re-using by-products reduces pollution and creates revenue streams.

Moving to zero emissions

We can help you reduce your emissions and achieve your targets. Zero emission targets for industry are fast approaching – The EU (2050), China (2060).

Increasing plant uptime

Rotork's predictive maintenance systems not only identify potential problems, allowing planned scheduled maintenance, they have beneficial effects for fuel terminals such as reducing the frequency of intermittent flaring.

Energy consumption

Fuel terminal managers are under pressure to reduce energy consumption. Using Rotork products within your terminal processes will improve plant efficiency and reduce energy consumption without compromising safety or reliability.

Life cycle management

Plant designers and managers can reduce the risk of equipment failure and obsolescence by utilising Rotork's advanced technologies and asset management systems.



IQ electric actuator

Used in processes throughout fuel terminals for reliable operation in arduous conditions and explosive atmospheres



The Importance of Flow Control

Correctly specified flow control equipment can provide a safe working environment, increase process efficiency, reduce emissions and increase your profitability.

Whether you are upgrading tank storage control systems, installing new metering equipment or designing a new fuel terminal, your flow control solutions should be carefully considered and specified.

Process efficiency

The ability to move quickly and precisely to a set position will make your process more efficient, minimise waste and reduce energy consumption.

Repeatability

Many operations require valves and dampers to move repeatedly between set positions. Rotork electric actuators provide precise operation, with repeatability and resolution.

Reliability

Flow control equipment should be specified correctly to operate in the chosen process environment. Our products are certified for operation in fuel terminal applications including water-tight, dust-tight, high temperature, toxic and explosive atmospheres.

Safety

Fuel terminals have areas requiring Emergency shutdown (ESD) procedures to stop chain reactions and save lives and equipment. Rotork products are certified for use within HIPPS, SIL, SIS, EIV, ESD and ROSoV applications.

Reduced maintenance

Installing correctly specified and highly engineered solutions will reduce unplanned maintenance and plant downtime. Our intelligent diagnostics work with asset management systems to maximise plant uptime.

Cost of ownership

Rotork products are designed and engineered to very high performance levels. They pay for themselves many times over during their life cycles.



CVA control valve actuator

Electric actuator with high accuracy, resolution and repeatability. Widely used in process control applications throughout fuel terminals.

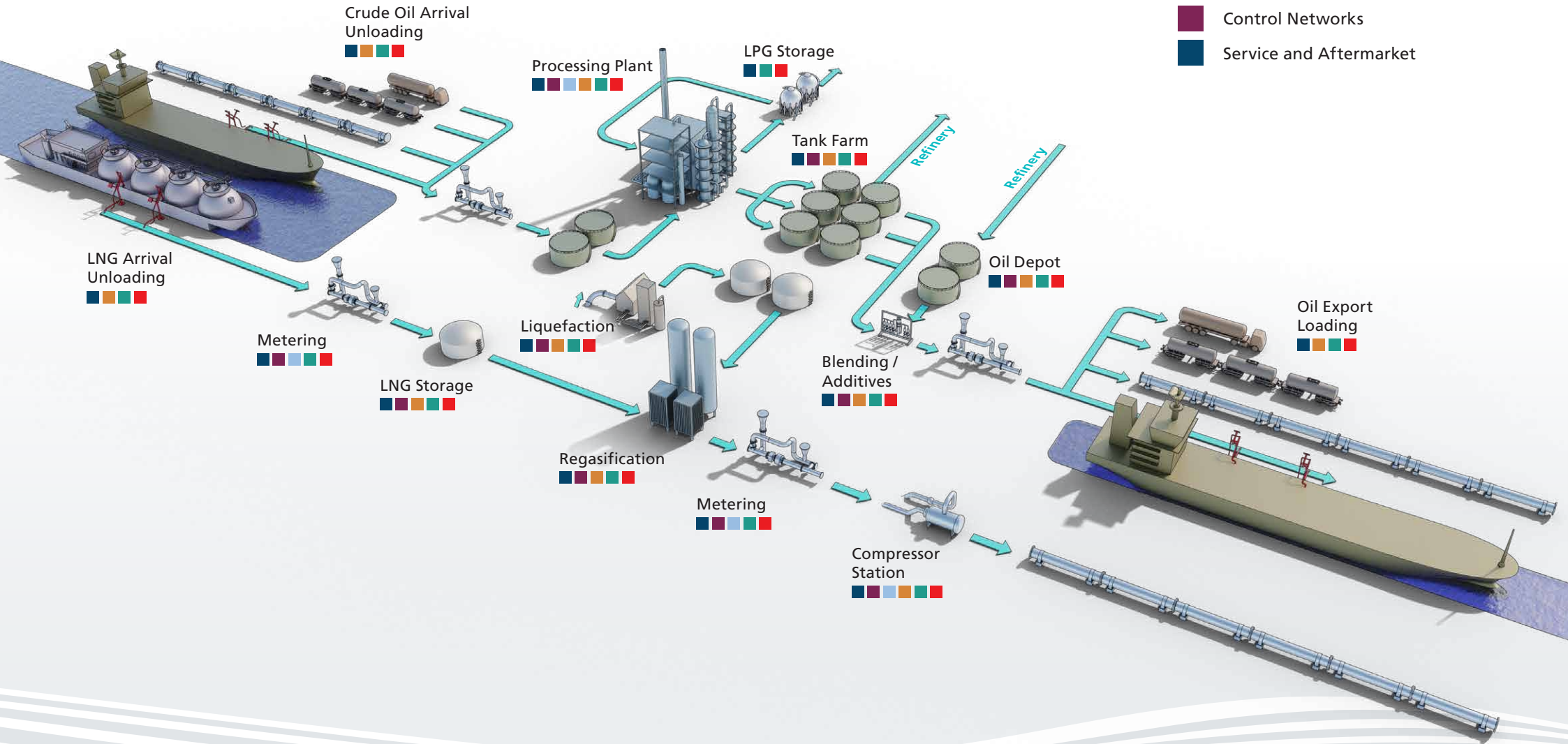


Fuel Terminal Processes

Rotork has extensive knowledge and experience in all aspects of fuel terminal operations.

Our products can be found in almost every process control application in and around a fuel terminal, from import through to export, and including on-site water treatment and power generation utilities.

- Electric Actuators
- Fluid Power Actuators
- Instrumentation and Control
- Gearboxes and Valve Accessories
- Control Networks
- Service and Aftermarket



Product Solutions for Fuel Terminals

Rotork design engineers work with plant managers, network systems engineers, legislative bodies and government environmental groups to specify and supply the correct solutions for your requirements.

Our extensive product range allows us to meet all your requirements and help you achieve your goals. For detailed application information see our Application Focus documents available on rotork.com

<p>Electric Actuators</p> <p>IQ Range – Multi-turn and part-turn actuators for arduous environments</p> 	<p>Fluid Power Actuators</p> <p>CP / GP / GH Ranges – Scotch yoke actuators</p> 	<p>Instrumentation and Control</p> <p>Limit Switch Boxes – High visibility position indication and control feedback</p> 	<p>Gearboxes and Valve Accessories</p> <p>Hand Operated – Part-turn and multi-turn worm gear operators</p> 	<p>Service and Aftermarket</p> <p>Lifetime Management</p> 
<p>CVA / CMA Ranges – Linear, part-turn and multi-turn precision modulating actuators</p> 	<p>GO Range – Gas-over-oil powered actuators</p> 	<p>Valve Positioners – Precision valve control for pneumatic and hydraulic actuators</p> 	<p>Motorised – Part-turn and multi-turn worm, bevel and spur gear operators</p> 	<p>Intelligent Asset Management</p> 
<p>ExMax Range – Explosionproof part-turn actuators</p> 	<p>HPG Range – High pressure gas powered actuators</p> 	<p>Air preparation – Filters, regulators, lubricators and accessories</p> 	<p>Control Networks</p> <p>Network connectivity</p> 	<p>Spares</p> 
<p>SI / EH Ranges – Electro-hydraulic actuators</p> 	<p>RC Range – Compact scotch yoke actuators</p> 	<p>Pneumatic Volume Boosters – High flow capacity and fast response</p> 	<p>Rotork Master Station – Supervisory plant control</p> 	<p>Life Cycle Services</p> 



Trusted Partner

Rotork is a market-leading provider of flow control and instrumentation solutions. We have served global industrial actuation and flow control markets for more than 60 years, delivering results in all regions and in all environmental situations.

Our reliability record is second to none. Rotork products are designed with safety and performance at their core and are put through vigorous testing by international safety institutes. Our products are certified for use in the world's most dangerous, and hazardous areas.

Partnering with Rotork provides the following:

- Assured safety and reliability
- Industry leading accuracy and efficiency
- Proven technology that works with all control systems
- Product range with solutions to suit every application
- Assistance with plant planning, development and maintenance through our local support services

History shows we are a company to do business with:

- Established in 1957, we have always been innovators and leaders in flow control technology
- Safety is a core value of our business and products
- We have innovative research and development centres throughout the world
- With 3,400 employees globally and 85 sites, we provide local service on a global scale
- We are embracing a more diverse workforce
- We are committed to reducing our own environmental impact, reducing water and power usage year-on-year

Our service engineers work with industrial partners to design, update and maintain their plant and equipment.



A full listing of our worldwide sales and service network is available on our website

www.rotork.com

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