

kentintrol



AFTERMARKET

SERVICE | UPGRADES | SPARES

KOSO

Koso Kent Introl designs and manufactures the highest quality surface and subsea control and choke valves. Since the 1960s, we have been helping to solve severe service application challenges in the oil and gas, petrochemical and power industries, worldwide.

**OUR AFTERMARKET
SERVICES INCLUDE:**



Service



Upgrades



Spares

Adjacent to our UK manufacturing facility in Brighouse, Yorkshire, our 1680m² aftermarket facility is located. From here, our specialist engineering team support our global customers with scheduled or unplanned shutdowns, ongoing maintenance or in response to a system failure.

Aftermarket services include full valve refurbishment, comprehensive spare parts supply for all valves and associated equipment, and valve sales and upgrades for the replacement of existing equipment that has reached the end of its service life. We have full service and test facilities on site, along with machining facilities for the fast-track manufacture of valve spares.

Should customers need aftermarket support on location, we have a team on constant stand-by, ready to travel anywhere in the world to service valves and actuators. This team provides both on and offshore support.

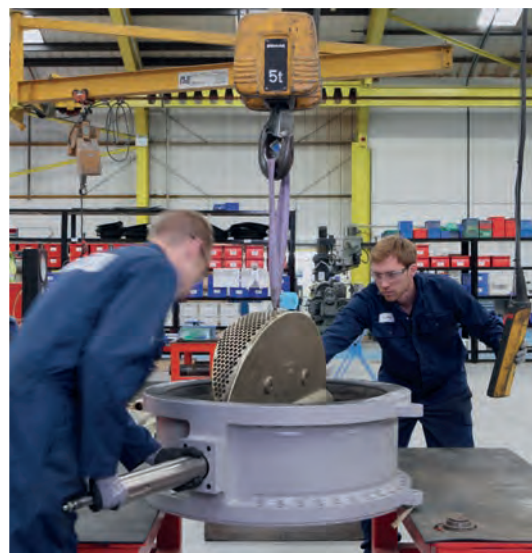




LIFE OF FIELD SUPPORT FROM A LEADING BRITISH VALVE MANUFACTURER

Regardless of the scope and scale of a project, the KKI aftermarket team is focused on minimising downtime and controlling cost. Working alongside the KKI manufacturing sites allows the company's philosophy of total quality to be upheld. In this way, contributions from KKI's design and production engineers ensure that aftermarket projects provide optimum benefits for our customers.





AFTERMARKET SERVICES



Service

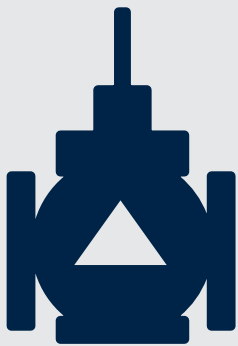
Our highly-qualified service engineers support scheduled shutdowns, routine maintenance and unplanned outages.

Large-scale shutdowns can be accommodated, especially where a large number of valves require maintenance in a short timeframe.

Where unplanned outages leave a customer's application idle or unproductive, our rapid response priority service option ensures the valve and associated instrumentation is returned to service as soon as possible.

Our aftermarket quality assurance procedures are aligned with those used for manufacturing new valves, ensuring full compliance with PED requirements. Serviced valves and instrumentation are issued with a final test certificate and a completed quality plan prior to despatch.

The aftermarket service comprises three core components: service, upgrades and spares. Projects are scoped to incorporate each element as required.



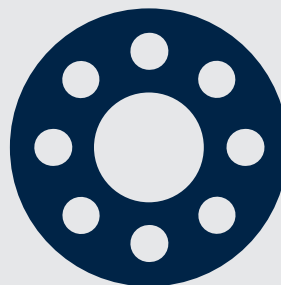
Upgrades

When valves are returned to service, we aim to ensure that they will work at optimum productivity for the longest possible time. Our applications team will therefore review the valve's process requirements, making recommendations to re-size and re-specify the valve to meet service conditions, if appropriate. Issues associated with premature valve failure or poor performance are explored, including cavitation, flashing, noise, velocity, pressure drop, erosion and corrosion.

Costs and timescales are calculated, along with the business case behind any proposed improvement. In this way we can often improve capacity or production throughput, or extend the life of the valve where process conditions would otherwise seriously affect its life-span.

Our recommendations might include upgrades to materials or trim sizes and styles, and potentially the consideration of changes to actuator requirements.

All our upgrades carry a 12-month parts guarantee.



Spares

Spares are available for all valves in the KKI range as well as associated actuators and instruments.

For customers changing their process plant, a full application review can be provided, enabling us to recommend the most suitable parts for optimum productivity and efficiency. We can also make recommendations on materials for enhanced durability and suitability.

All spares are supplied with a certificate of conformance and original equipment manufacturer (OEM) guarantee. Valve trim components are etched with a part number and heat number for ease of traceability - and material certification is available upon request. Each spares item is individually labelled to customer requirements. To add value to customers' stock holdings, we can also provide spare part interchangeability reports for multiple valve contracts, as well as site survey reports.

Fast-track deliveries are available to minimise downtime during scheduled or unplanned shutdown.

On site, we hold full status details for every valve ever manufactured or modified by us.

THE KEY BENEFITS

- OEM commitment for lifetime support of subsea valves, topside choke valves and control valves

- Fast turnaround, reducing customer plant and equipment downtime

- Expert application review and recommendations to improve productivity and extend length of valve service

- Access to historical records of all KKI-supplied valves including all changes to original specification



We're part of a company with a proud tradition for British manufacturing, offering lifetime support for our products.

- UK and worldwide onshore and offshore support with dedicated, competent and fully certified field service engineers

- A fully equipped facility with a flexible approach to supporting shutdown and service requirements

- Full in-house gas testing and hydro testing capabilities up to pressures of 30,000 psi

- Full materials traceability, certification and product guarantees for complete peace of mind

- Quality and safety assured with accreditations for QMS, ISO 9001, ISO/TS 29001 and EMS 14001

- Retro-fitting and upgrades for many type of manufacturers' valves including R&D programmes and flow test rig capabilities



OUR TEAM

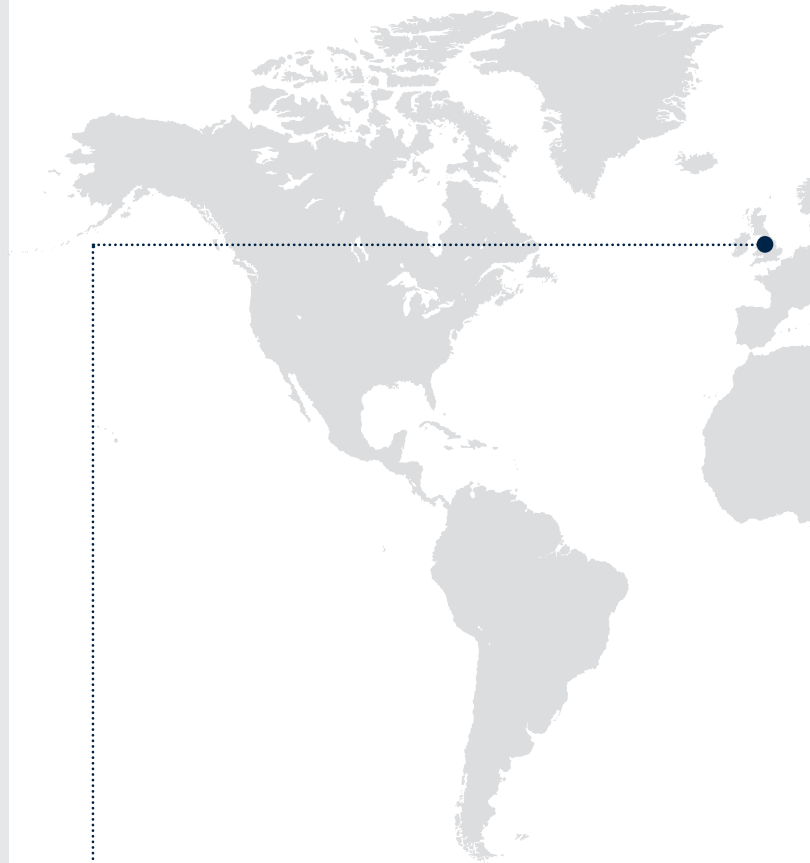
KKI engineers are fully qualified for the UK and Norwegian sector, as well as other international work, and can travel to customer sites globally. As well as servicing, the team conducts site surveys and offers advice on routine maintenance and plant optimisation.

For UK site visits, we have dedicated vehicles, fully equipped with emergency stocks and tooling. Engineers can be mobilised the same day.

International work is subject to engineer availability and a security check of the destination, but can normally be mobilised within 24 hours.



OUR FACILITIES



Located in a dedicated building within a few hundred yards of the company's head office and existing manufacturing facilities, the aftercare team is very much part of the KKI 'total quality' philosophy.

The configuration of the new facility was designed by the team themselves, with efficiency and lean manufacturing principles in mind.

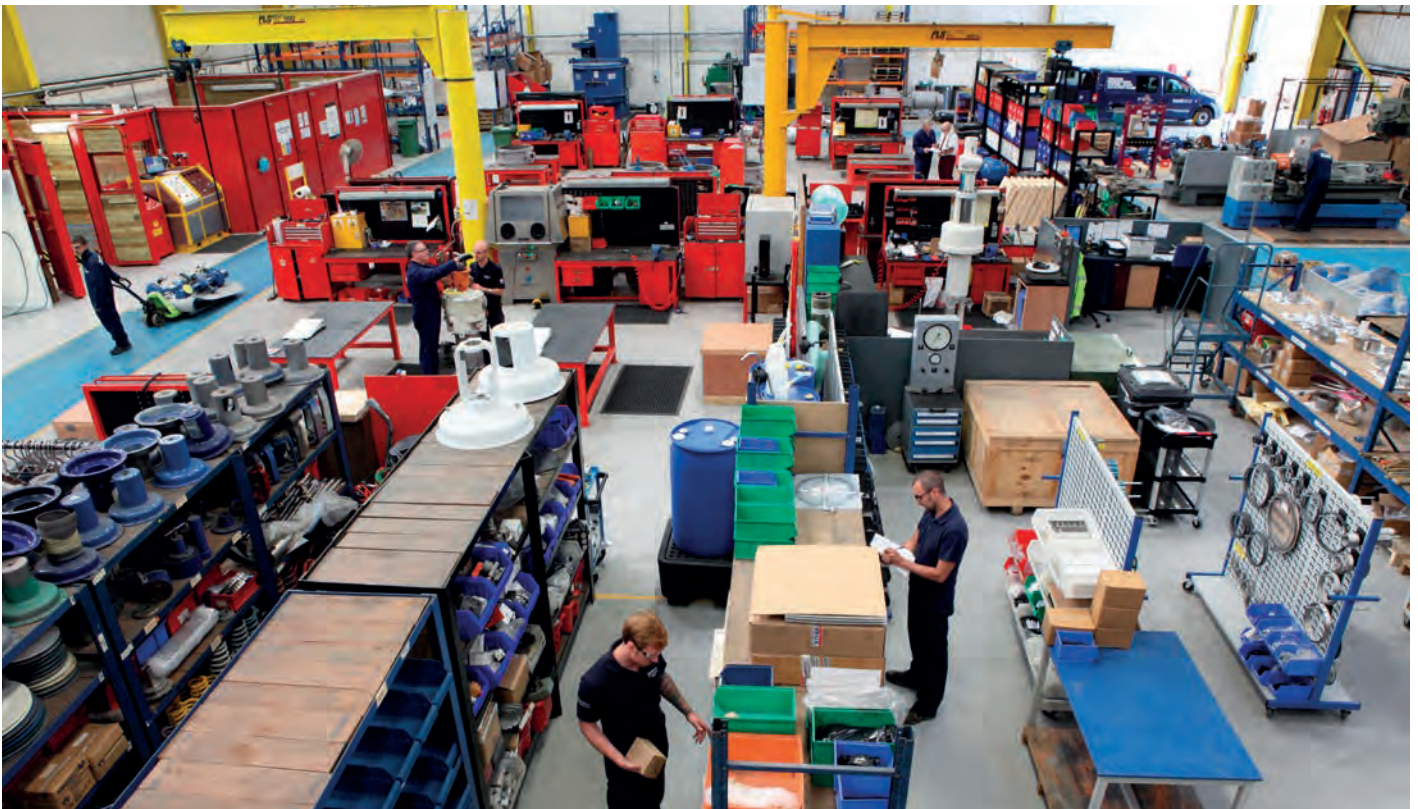




**WE SUPPLY
AND SERVICE
WORLDWIDE**

OUR WORKSHOP FACILITIES INCLUDE:

- Shot-blast and steam cleaning equipment to overhaul components to near-new condition
- Machine shop for shutdown work
- Full inspection facilities
- Dedicated service test bay with two test rigs, capable of hydro testing to 15,000psi
- Subsea test bay with remote control cameras, and remote, web-based witnessing option
- Two 5-tonne cranes
- 6-tonne floor scales
- Secure storage area for subsea valve refurbishment projects



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KOSO

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