

KROFT NIGERIA LIMITED

SPECIALIZED MAINTENANCE & ASSET INTEGRITY SERVICES

A focused technical service portfolio for oil & gas, marine, power and industrial operations.

FLAGSHIP CAPABILITY

FLOW CONTROL, VALVE INTEGRITY & LEAK DETECTION

Diagnostics • Automation • Calibration • Testing • Maintenance • Supply

SERVICE SCOPE

September 2026

Service Overview

Kroft Nigeria Limited provides specialized maintenance, diagnostics, integrity and MRO support for critical flow-control, hydraulic and bolted-joint systems. Our service model combines field diagnostics, testing and maintenance with equipment and spares supply, enabling clients to identify asset problems, restore reliability and source the required replacement components through a single technical interface.

No.	Service Pillar	Focus
01	Flow Control, Valve Integrity & Leak Detection	Flagship technical capability
02	Hydraulic Systems & Hose Management	Responsive maintenance and hose-management support
03	Controlled Bolting & Flange Management	Joint-integrity and shutdown support
04	Specialized MRO & Equipment Supply	Equipment, spares and consumables supporting all service lines

Core delivery principle: Diagnose the problem, define the corrective action, execute or coordinate the required maintenance, supply the required equipment/spares, and verify performance after intervention.

01 — Flow Control, Valve Integrity & Leak Detection

Diagnostics • Automation • Calibration • Testing • Maintenance • Supply

This is Kroft's flagship specialist service line, focused on the reliability, performance and safe operation of valves, actuators, positioners and associated flow-control systems. It combines condition assessment and diagnostics with calibration, maintenance, automation and supply support.

Valve Diagnostics & Integrity

- Valve diagnostics and condition assessment
- Ultrasonic passing-valve and through-valve leak detection
- Valve performance and functional testing
- Valve stroke testing and operational verification
- Shutdown and turnaround valve surveys
- Valve tagging, asset register development and condition reporting
- Repair, overhaul and replacement recommendations
- Post-maintenance verification and reporting

Control Valve Calibration & Testing

- Control valve inspection, calibration and functional testing
- Stroke verification and response checks
- Positioner calibration, configuration and troubleshooting
- Pneumatic actuator checks and operating-pressure verification
- Control-loop field support and basic signal verification
- Calibration and test documentation

Valve Automation & Actuation

- Pneumatic and electric actuator installation and replacement
- Actuator and positioner troubleshooting and maintenance
- Manual-to-actuated valve retrofit and automation
- Solenoid valve, limit switch and accessory installation
- Actuator/valve package coordination and commissioning support

PSV Testing & Recertification

- PSV inspection and test coordination
- Set-pressure verification and functional testing
- Repair and recertification support through qualified testing facilities
- Test documentation, tagging and certification records
- Replacement PSV and repair-kit supply

Ultrasonic Leak Detection & Condition Monitoring

- Compressed-air and gas leak surveys
- Ultrasonic valve leak/passing detection
- Steam-trap condition surveys where applicable
- Ultrasonic bearing and rotating-equipment condition checks
- Leak tagging, quantification support and corrective-action reporting

- Periodic leak-management and condition-monitoring programs

Non-Invasive Liquid Flow Measurement

- Portable clamp-on ultrasonic liquid flow measurement
- Temporary flow surveys and spot measurements
- Installed flowmeter verification and comparative checks
- Pump performance and system-flow verification
- Temporary measurement on unmetered liquid lines
- Flow troubleshooting, commissioning and performance checks
- Permanent clamp-on flowmeter supply, installation and commissioning where required

Application note: Non-invasive ultrasonic measurement is application-dependent. Instrument selection is based on fluid condition, pipe material/size, process conditions and area classification.

Valve & Actuation Supply

- Control valves and isolation valves
- Pneumatic and electric actuators
- Valve positioners and controllers
- Solenoid valves and limit switches
- Valve repair kits, seals and internal components
- Actuation accessories and associated instrumentation

02 — Hydraulic Systems & Hose Management

Kroft provides field support for hydraulic systems and hose assemblies used on marine vessels, rigs, cranes, oilfield equipment, industrial plants and heavy equipment. The service is structured around rapid fault identification, safe hose management, pressure verification and component replacement.

- Hydraulic hose inspection, assembly, replacement and installation
- Hose condition assessment, tagging and register development
- Hydraulic pressure testing and leak checks
- Hydraulic troubleshooting and fault diagnosis
- Hydraulic power unit (HPU) inspection, maintenance and servicing
- Hydraulic cylinder inspection, repair coordination and replacement
- Hydraulic system flushing and contamination-control support
- Hydraulic pump, valve and filter inspection/maintenance support
- Emergency hose replacement and breakdown-response support
- Hoses, fittings, adapters, couplings, seals, filters and hydraulic component supply

Typical Applications

Sector	Typical Applications
Marine & Offshore	Deck machinery, winches, cranes, steering and hydraulic power systems
Drilling & Oilfield	Rig equipment, HPUs, hydraulic tools and service equipment
Industrial	Presses, hydraulic packages, plant equipment and maintenance systems
Heavy Equipment	Cranes, loaders, excavators and mobile hydraulic equipment

03 — Controlled Bolting & Flange Management

Kroft provides controlled bolting and flange-management support for construction, maintenance, shutdown, turnaround and commissioning activities. The objective is controlled joint assembly, repeatable bolt loading, safe flange handling and traceable joint-integrity documentation.

- Hydraulic torquing
- Bolt tensioning
- Controlled flange assembly and disassembly
- Flange spreading and separation
- Flange alignment and correction support
- Bolt-load and torque verification
- Flange-face inspection and preparation support
- Joint tagging, tracking and documentation
- Shutdown and turnaround bolting support
- Stud bolts, nuts, washers, gaskets and jointing-material supply

Typical Work Scopes

- Piping tie-ins and reinstatement
- Valve replacement and maintenance
- Pressure-test preparation and reinstatement
- Mechanical completion and commissioning
- Plant shutdowns and turnarounds
- Marine and offshore mechanical maintenance

04 — Specialized MRO & Equipment Supply

Kroft integrates specialized procurement with its technical service lines, enabling clients to source the components identified during inspection, diagnostics, maintenance and repair activities. Supply support is provided against client specifications and approved manufacturer requirements.

Category	Supply Scope
Flow Control	Control/isolation valves, actuators, positioners, solenoids, limit switches, valve accessories and repair kits
Instrumentation & Measurement	Flowmeters, pressure/temperature instruments, transmitters, gauges and associated accessories
Hydraulics	Hoses, fittings, adapters, couplings, seals, filters, hydraulic valves, pumps and cylinders
Joint Integrity	Stud bolts, nuts, washers, gaskets, flange accessories and jointing materials
Rotating / Industrial MRO	Pumps, seals, bearings, service kits and selected maintenance spares
Marine Critical Spares	Valves, pumps, instrumentation, hydraulic components and selected vessel machinery spares

Integrated Service Model

1	INSPECT & DIAGNOSE Identify leakage, performance loss, degradation or integrity issues.
2	TEST & VERIFY Confirm condition through appropriate field measurement, calibration and testing.
3	MAINTAIN & CORRECT Execute or coordinate maintenance, repair, calibration, retrofit or replacement.
4	SUPPLY Provide the required valves, actuators, instrumentation, hydraulic components, bolting materials and spares.
5	RETEST & DOCUMENT Verify performance after intervention and provide traceable service documentation.

Primary Markets

Oil & Gas Production • Gas Processing & Distribution • Refineries & Terminals • Marine & Offshore • Drilling & Oilfield Services • Power Generation • Petrochemical & Process Industries • Industrial Facilities

Service Delivery

Services are executed by Kroft personnel and, where specialist certification, workshop infrastructure or project-specific equipment is required, through qualified technical partners under Kroft's project coordination and quality-control framework. All scopes remain subject to site conditions, client specifications, applicable codes, OEM requirements and agreed method statements.

KROFT NIGERIA LIMITED

Specialized Maintenance & Asset Integrity Services

Flow Control • Valve Integrity • Leak Detection • Hydraulics • Joint Integrity • MRO Supply