

Pipeline and Process Services Capabilities

Precommissioning, commissioning, maintenance and decommissioning services for the global pipeline and process industries



Halliburton's capabilities have been trusted by the worldwide pipeline and process industry for over 50 years to clean, test and help ensure the integrity of systems to maximize oil and gas production.

World-class experience

Halliburton has worked with clients around the world to complete significant projects:

- Carried out the world's first unmanned deepwater pipeline hydrotest operation.
 - Precommissioned some of the deepest pipelines in the world at depths exceeding 2,700 m.
 - Dried a number of the largest gas export pipelines in the world.
 - Preoperationally cleaned a number of the largest and most complex systems across the globe.
 - Precommissioned and commissioned one of the world's longest subsea pipeline to date - 42/44-in. x 1,200 km (745 mi).
 - Laid the longest thermoplastic umbilical in the world to date 125 km (34 mi).
 - Leak tested a number of the largest process systems and plants built to date.
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Global presence and resources

Whatever the challenge, Halliburton Pipeline and Process Services has the skills, experience and technology to provide an effective solution, worldwide.

Halliburton operates one of the largest mobile pumping fleets in the world, can provide an extensive range of specialized pipeline and process services equipment, maintains a strong global engineering base and has provided service in over 40 countries.

Health, safety and environmental performance

Halliburton is committed to developing a process-driven culture that leverages quality, health, safety, environment, risk management and operational excellence to deliver superior performance.

Operational excellence

Halliburton Pipeline and Process Services policies, procedures and standards comply with industry standards such as ISO 9001-2008, ISO 14001-2004 and OHSAS 18001-2007.

Halliburton's success is measured by our clients' performance in terms of reduced downtime, increased production and added value.

Global common practices

Halliburton continuously strives to enhance and extend our leadership in innovation, integration and application of technology.

Four in-house technology centers provide research, development and operational support to help achieve cost-effective solutions.



Global capabilities

Pipeline precommissioning and commissioning

- Pipeline flooding, gauging and cleaning
- Hydrostatic testing
- Umbilical flushing and testing
- Fiber optic testing
- Leak testing
- Dewatering
- Air, nitrogen and vacuum drying
- Methanol and glycol swabbing
- Nitrogen packing

Water injection

- Well pressure maintenance
- Secondary recovery
- Produced water disposal

Process precommissioning and commissioning

- Drop and high speed flushing
- Air and steam blowing
- Retrojetting
- Hydrostatic testing
- Chemical cleaning
- Internal camera inspection
- Oil flushing
- Integrity management software
- Bolt torque and tensioning
- Oxygen reduction purging
- Nitrogen drying
- Gross air testing
- Ultrasonic testing
- Nitrogen and helium leak testing
- Onsite machining

Process plant shutdown and maintenance

- Nitrogen purging
- Integrity management software
- Retrojetting
- Pressure washing
- Chemical cleaning
- Oil flushing
- Bolt torque and tensioning
- Internal camera inspection
- Nitrogen and helium leak testing
- Nitrogen foam inerting
- Pipe freezing
- Onsite machining





Umbilical

- Hydraulic flushing
- Hydraulic decay and proof pressure testing
- Fluid particle analysis
- Fluid change-out
- Valve operations
- DC conductor resistance testing
- Insulation resistance testing
- High voltage, very-low-frequency AC testing
- Metallic time domain reflectometry testing
- Fiber splicing
- Optical time domain reflectometry
- Light sources and power meter attenuation testing

Pipeline cleaning and flow assurance

- Pipeline flooding, gauging and cleaning
- Routine and progressive pigging
- Mechanical pigging
- Hot oiling
- Debris transport with SureGL™
- Scale, wax, hydrate and black powder removal
- Pre-inspection cleaning (for ILI)
- Hydrocarbon decontamination
- Change of service cleaning
- Pipeline decommissioning cleaning

Decommissioning

- Abandonment
- Onsite management

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

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