

CAPABILITY 02 / 27

Midstream – Pipeline Transportation, Gathering & Storage

Pipeline continuity from transport to storage.



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OVERVIEW

Midstream moves and stores hydrocarbons between production sites, processing plants and export terminals. COTI supplies the piping, valves, pigging, metering, monitoring and integrity materials that keep pipelines, gathering networks and storage terminals running safely.

CONTENTS

- 2.1 Line pipe, process pipe, fittings, flanges, elbows, tees, reducers, gaskets and industrial...
- 2.2 Pipeline valves, actuators, valve accessories and pressure-control components.
- 2.3 Pig launchers/receivers, pigging accessories, pipeline cleaning and maintenance supplies.
- 2.4 Pumps, compression-related equipment and associated mechanical/electrical spares.
- 2.5 Metering skids, flow measurement, pressure/temperature instrumentation and custody-transfer...
- 2.6 SCADA/RTU, telemetry, remote monitoring, industrial communications and data-acquisition...
- 2.7 Corrosion monitoring, cathodic-protection related materials and pipeline integrity support...
- 2.8 Storage tanks, loading/unloading accessories, terminal equipment and associated safety...
- 2.9 Pipeline maintenance, rehabilitation and emergency-spares sourcing support.

2.1 Line pipe, process pipe, fittings, flanges, elbows, tees, reducers,...

SUPPLY SCOPE

Line pipe, process pipe, fittings, flanges, elbows, tees, reducers, gaskets and industrial fasteners.

DEFINITION

Line pipe is the steel pipe used to build pipelines; process pipe is used inside plants. Fittings (elbows, tees, reducers), flanges, gaskets and fasteners connect, change direction or seal these pipes and must match pressure class and material grade.

2.2 Pipeline valves, actuators, valve accessories and pressure-control...

SUPPLY SCOPE

Pipeline valves, actuators, valve accessories and pressure-control components.

DEFINITION

Pipeline valves isolate sections, control flow or protect against overpressure. Actuators open and close them automatically (electric, pneumatic or hydraulic), while accessories and pressure-control components ensure safe and remote operation.



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2.3 Pig launchers/receivers, pigging accessories, pipeline cleaning and...

SUPPLY SCOPE

Pig launchers/receivers, pigging accessories, pipeline cleaning and maintenance supplies.

DEFINITION

Pigs are devices pushed through a pipeline by the flow to clean it, separate products or inspect the wall. Launchers and receivers are the pressure chambers used to insert and recover them; cleaning and maintenance supplies keep the line efficient.

2.4 Pumps, compression-related equipment and associated mechanical/electrical...

SUPPLY SCOPE

Pumps, compression-related equipment and associated mechanical/electrical spares.

DEFINITION

Pumps move liquids and compressors raise gas pressure along pipelines and at stations. COTI sources these machines and their mechanical and electrical spares, such as seals, bearings, impellers, motors and control components.



Photo: Steven Baltakatei Sandoval, Wikimedia Commons, CC BY-SA 4.0 – https://commons.wikimedia.org/wiki/File:Winslow_Compressor_Station,_February_2019.jpg

2.5 Metering skids, flow measurement, pressure/temperature instrumentation and...

SUPPLY SCOPE

Metering skids, flow measurement, pressure/temperature instrumentation and custody-transfer related components.

DEFINITION

Metering skids measure the quantity of oil or gas transferred, often for custody transfer, where the measurement defines what is bought and sold. They combine flowmeters, pressure and temperature instruments, provers and flow computers.

2.6 SCADA/RTU, telemetry, remote monitoring, industrial communications and...

SUPPLY SCOPE

SCADA/RTU, telemetry, remote monitoring, industrial communications and data-acquisition hardware.

DEFINITION

SCADA (Supervisory Control and Data Acquisition) and RTUs (Remote Terminal Units) let operators monitor and control a pipeline from a central room. Telemetry and industrial communications carry the data over long distances.

2.7 Corrosion monitoring, cathodic-protection related materials and pipeline...

SUPPLY SCOPE

Corrosion monitoring, cathodic-protection related materials and pipeline integrity support equipment.

DEFINITION

Corrosion is the main threat to buried steel pipelines. Cathodic protection applies a small electric current to protect the pipe; corrosion coupons, probes and integrity equipment measure wall loss and help plan repairs.

2.8 Storage tanks, loading/unloading accessories, terminal equipment and...

SUPPLY SCOPE

Storage tanks, loading/unloading accessories, terminal equipment and associated safety systems.

DEFINITION

Storage tanks hold crude oil and products at terminals. Loading and unloading arms, hoses, couplings and terminal equipment transfer products to trucks, rail cars or ships, with safety systems such as overfill protection and fire protection.



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2.9 Pipeline maintenance, rehabilitation and emergency-spares sourcing support.

SUPPLY SCOPE

Pipeline maintenance, rehabilitation and emergency-spares sourcing support.

DEFINITION

Pipeline maintenance and rehabilitation restore the condition of ageing lines. Emergency spares, such as repair clamps, sleeves, valves and fittings, are kept ready to limit downtime after damage. COTI supports their identification and sourcing.

Specialized services are provided and/or coordinated with qualified technical partners according to project requirements.

Contact COTI

Send us your RFQ, part numbers, nameplate photos or technical specifications. We will review your requirement and reply with a structured proposal.

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