

CAPABILITY 04 / 27

LNG, Gas Treatment & Separation

Fit-for-purpose supply for LNG and gas processing.



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OVERVIEW

LNG and gas-treatment plants clean, separate and liquefy natural gas for transport and sale. COTI supplies separation equipment, service-compatible valves, compression and metering components, safety systems and maintenance spares, where technically specified and available.

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- 4.1** Gas-processing and separation equipment; filters, scrubbers, separators and packaged systems.
- 4.2** Cryogenic/service-compatible valves and accessories where technically specified and available.
- 4.3** Compression, pumping, metering, instrumentation and control components.
- 4.4** Gas detection, Fire & Gas, hazardous-area electrical and safety equipment.
- 4.5** Maintenance spares, seals, bearings, filters, gaskets and rotating-equipment consumables.

4.1 Gas-processing and separation equipment; filters, scrubbers, separators...

SUPPLY SCOPE

Gas-processing and separation equipment; filters, scrubbers, separators and packaged systems.

DEFINITION

Gas processing removes water, acid gases (CO₂, H₂S), heavy hydrocarbons and impurities before gas is sold or liquefied. Separators, scrubbers and filters remove liquids and solids; packaged systems combine these functions on skids.



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4.2 Cryogenic/service-compatible valves and accessories where technically...

SUPPLY SCOPE

Cryogenic/service-compatible valves and accessories where technically specified and available.

DEFINITION

LNG is natural gas cooled to about -162 °C to become liquid. Cryogenic valves are designed to operate at these very low temperatures without leakage, using special materials and extended bonnets. COTI sources them only where specified and available.

4.3 Compression, pumping, metering, instrumentation and control components.

SUPPLY SCOPE

Compression, pumping, metering, instrumentation and control components.

DEFINITION

Compression raises gas pressure for processing or transport; pumps move LNG and liquids; metering measures the volumes produced; instrumentation and control components keep the plant within safe operating limits.

4.4 Gas detection, Fire & Gas, hazardous-area electrical and safety equipment.

SUPPLY SCOPE

Gas detection, Fire & Gas, hazardous-area electrical and safety equipment.

DEFINITION

Gas detection identifies leaks of flammable or toxic gas. Fire & Gas systems combine detectors, alarms and automatic actions. Hazardous-area equipment is certified (Ex/ATEX/IECEX) so that it cannot ignite a flammable atmosphere.



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4.5 Maintenance spares, seals, bearings, filters, gaskets and...

SUPPLY SCOPE

Maintenance spares, seals, bearings, filters, gaskets and rotating-equipment consumables.

DEFINITION

Maintenance spares keep compressors, pumps and expanders running: mechanical seals prevent leaks along the shaft, bearings support rotation, filters and gaskets protect the process. These consumables are replaced at planned intervals.

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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