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Gulf Cryo subsidiaries are members of:



For over half a century, Gulf and developing new gas

Cryo has been supplying gases mixtures for applications in the steel and metals industry.



progressive by nature

UAE KUWAIT TURKEY SAUDI ARABIA QATAR EGYPT JORDAN OMAN BAHRAIN IRAQ

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Helping you boost productivity, reduce costs and improve environmental impact

Our geographic reach

Gulf Cryo is a leading manufacturer of industrial, medical, food-grade, and speciality gases in the Middle East. Covering all of the GCC, Jordan, Syria, Pakistan, Egypt and Iraq, our highly skilled engineers work with the steel and metals industry developing technology to advance processes and techniques through innovative gas applications.



Our gas solutions

Application Dxyfuel for furnaces N₂ for blanketing Oxygen for smelting operations Oxygen in electric arc furnace Argon/Oxygen Decarbonisation (AOD) · Argon · Increase reaction rate Extrusion Press; N₂ for cooling dies O² is used to reduce impurities H₂ for steel heat treatment Annealing; H₂ prevents oxidation and improves surface brightness and quality Gas mixtures for post-treatment /acuum degassing

Our products Benefit to you Nitrogen
Increase heat transfer

 Increase production rates Achieve faster melt rates Increase flame temperature • Reduce volume of flue gases • Cylinder maintenance and testing Lower fuel costs

Our services Supply of pure and mixed gases Gas supply schemes on build own operate (BOO) basis On-site equipment maintenance Validation of customers plants & commissioning of gas delivery Logistic and technical support Feasibility studies





The customer challenge

one of the largest consumers of industrial gases worldwide for the manufacture and processing of metals such as high quality steel, copper and aluminium. Foundry operators and steel manufacturers are all looking to improve their competitiveness in the market place, with a focus on improving quality and yield, reducing costs and the environmental impact of their processes. A reliable supply of high quality industrial gases such as Oxygen, Nitrogen and Argon is crucial to operations. This is where Gulf Cryo can offer its vast expertise in on-site supply schemes, pipeline systems, and its unbeatable bulk distribution network covering ten countries

across the Middle East.

The steel and metals industry is



How we work with you

Gulf Cryo's dedicated technical team understands the challenges you face and can help you find the right gas solution for your needs. We supply gaseous and liquid gases as well as a wide range of gas mixtures with varying compositions supporting you from project inception through to when you see the results. We have a diverse portfolio and serve the entire industry from melt-shops, slag and metal mixing through to smelting and refining processes in large scale industrial projects.

Our engineers can also design and implement a total gas management service handling the operation and maintenance of small or large on-site gas plants, assuring a 100% guaranteed source of high quality gases in the pipeline with an additional back-up bulk gas service.

Our gases

Gulf Cryo subsidiaries are ISO certified. Gases and gas mixtures are prepared under controlled conditions following strict international gas industry standards, ensuring tolerances are clearly defined.

Pure gases (Liquid and compressed)	Purity
Oxygen	Up to 99.5%
Hydrogen	99.999%
Argon	99.999%
Nitrogen	99.999%

Our supply and packaging options

With 13 subsidiaries covering ten countries in the Middle East, Gulf Cryo covers a vast territory offering the supply of gases and the installation of equipment. We will provide you with the best available supply package to suit your business requirements.

Supply scheme	Capacity	Working pressure (barg)
On-site plant installation (Cryogenic or non-cryogenic plants) Gas pipeline connection	Customised based on customer requirement Customised based on customer requirement	Customised Customised
Bulk gases	Capacity	Working pressure (barg)
Cryogenic storage tanks	2000 - 75,000 litres	3 – 30
Liquid gas cylinders (Dewars)	180 - 1000 litres	2-37
Compressed gases	Capacity	Working pressure
		(barg)
Manifold racks	120 – 540 Nm³	200 - 300
Tube trailers	3500 – 5400 Nm³	200
Cylinders	1.5 – 10 Nm³	150 - 200

Talk to our applications engineers to identify the right solution for you.