

Improving **lives** everyday...

GULF CRYO HEALTHCARE BROCHURE

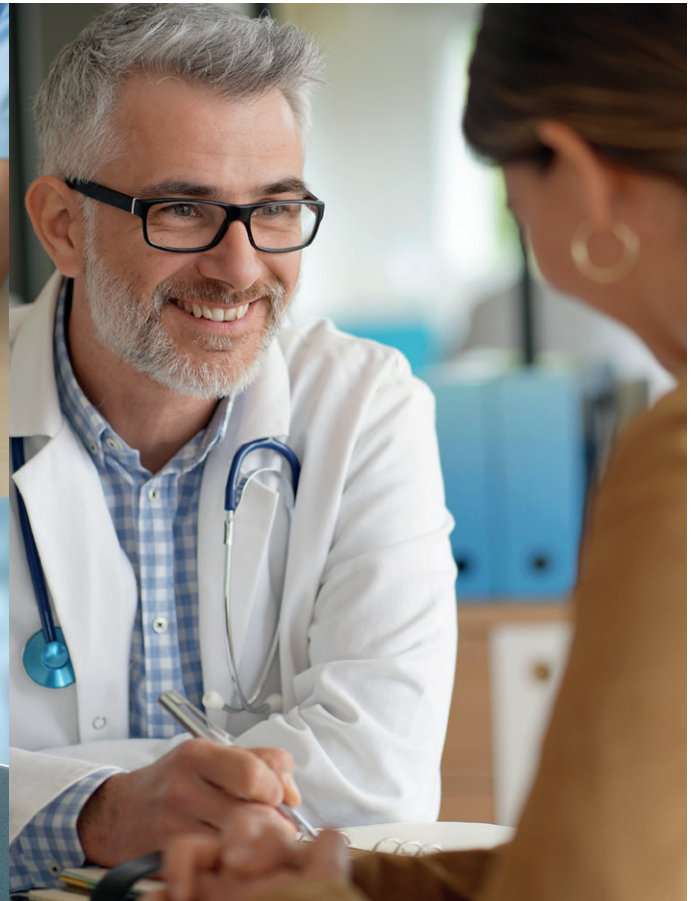


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IMPROVING QUALITY OF LIFE EVERYDAY

OUR TEAM IS MOBILIZED TO MEET THE NEEDS OF OUR CUSTOMERS AND PATIENTS.

OUR SOLUTIONS ARE ADAPTED TO SAFELY DELIVER TO AND SUPPORT ALL OUR CUSTOMERS, WHETHER BIG OR SMALL.

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Improving lives everyday



We offer integrated solutions and services that help contribute towards an improved healthcare and economic outcome.

In an industry that touches all of our lives, we know our customers expect the highest quality and purity of medical gases and equipment, and the most comprehensive and reliable service – and that’s what we deliver at Gulf Cryo.

Our distribution network is one of the largest in the Middle East and Gulf region, and we are committed to deliver solutions like nitrogen to preserve blood and tissue, helium for MRIs, and oxygen and respiratory therapy gases to help patients breathe, delivered to almost everywhere - from ambulance services to hospitals, clinics, nursing homes and other

healthcare facilities that help healthcare professionals stay one step ahead.

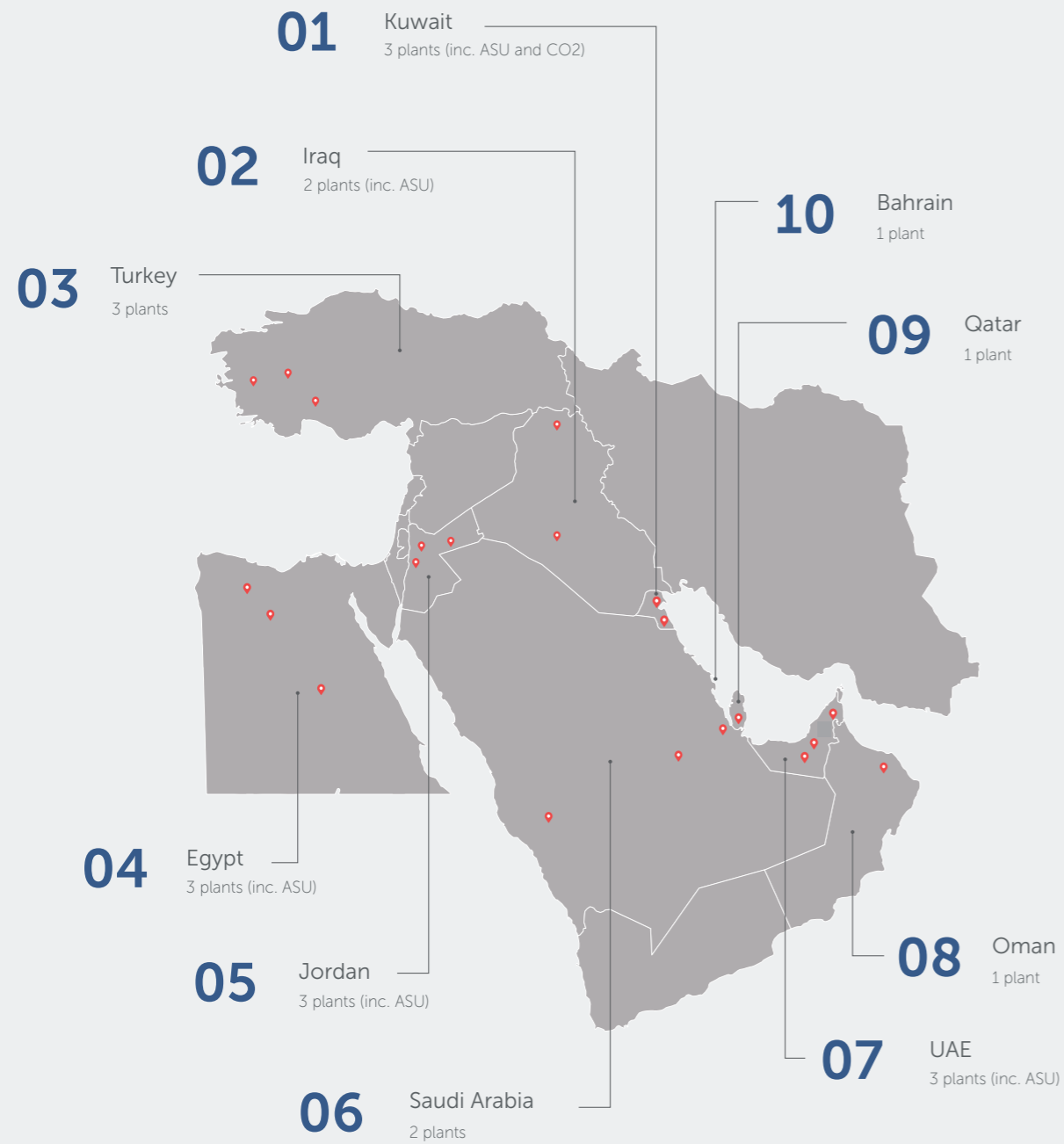
The COVID-19 pandemic has indeed, increased the demand from hospitals for medical oxygen and reinforced the need for a more personalized approach to patient care for those suffering from chronic diseases such as respiratory failure and diabetes.

The efforts of our team and their instant mobilization to face these healthcare challenges, combined with our industrial capabilities have allowed us to meet this demand for the supply of essential medical gases and ensure supply continuity.

Meeting the highest standards of quality and purity, our medical-grade gases follow [Pharmacoeia](#) standards and our manufacturing sites comply with Good Manufacturing Practices (GMP) guidelines and follow Saudi Food and Drug Authority (SFDA) safeguards and requirements. Also, our manufacturing process is ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certified.



Regional Supply Chain



Our Core Molecules



INNOVATIVE SOLUTIONS SERVING THE WHOLE HEALTHCARE VALUE CHAIN

At Gulf Cryo, we look back on a proud history of pioneering solutions and best-in-class supply of medical gases for our customers that improve their business, and help them achieve greater efficiencies, safety and peace of mind throughout the whole care spectrum from pre-hospital to home.



01

PRE-HOSPITAL CARE

EMERGENCY SERVICES, CIVIL DEFENSE, AMBULANCES

At this first stage of immediate care of emergency medical service, our priority is to achieve normal or near-normal oxygen saturation for all acutely ill patients. Clinical assessment of a breathless patient starts with ABC (Airway, Breathing, and Circulation) at the prehospitalization stage, in the emergency car, during the civil defense efforts or at the hospital emergency room.

We provide initial oxygen support to be used in various clinical situations until the patient is stable, or arrives at the hospital for a full assessment. Emergency oxygen supply should be available in primary care medical centers; for this GULF CRYO provides new innovative light weight oxygen cylinders with integral highflow regulators.



02

HOSPITAL CARE

PUBLIC AND PRIVATE HOSPITALS, CLINICS, HEALTHCARE ENGINEERING AND CONSULTANCY

Oxygen and medical gases are used in emergency response areas, operating theaters and intensive care units for respiratory functions, anesthesia and analgesia as well as therapeutic treatment. In emergency care, medical gases provide life support and in clinic care they provide treatment and pain relief. Product quality, safety and supply reliability are the cornerstones of medical gases supply in hospitals.

Our company offers healthcare engineering expertise and consultancy for the installation and maintenance of gases supply systems and manifolds, and permanent on-line stock monitoring via telemetry and safe reliable supply of medical gases. The medical gases are safely distributed either as bulk liquid or as gas in cylinders.



03

HOME CARE

PUBLIC AND PRIVATE HOSPITALS, CLINICS, HEALTHCARE ENGINEERING AND CONSULTANCY

Home oxygen therapy, either in care homes or at home, supports patients in our community who require supplemental oxygen. Gulf Cryo provides a full line of home oxygen supplies and equipment that support patients to breathe easier and improve their quality of life. We provide the right equipments, oxygen concentrator, large oxygen cylinder or small portable cylinder, delivered and installed at your home. In addition, we provide breathing masks and all related accessories.

OUR SPECTRUM OF CARE

With deep-rooted skills and understanding of healthcare challenges and requirements, we have been working closely with our customers for more than 65 years and proud to offer an array of solutions and breakthrough products for hospitals, clinics, ambulances and other healthcare institutions. Our products and offerings can be used in emergency services, operating theatres, intensive care units and homecare treatments to relieve pain, anaesthetise, improve respiratory functions. Our highly-qualified team, following the highest ethical standards, work alongside hospitals and physicians to develop solutions that help them take care of their patients even during the most critical procedures.



OUR CAPABILITIES

Designing and engineering of medical gases distribution networks

Supply of medicinal, therapeutic and specialty gases

Telemonitoring systems, and dedicated medical cylinders and storage tanks

Staff training, medicinal gases handling and maintenance services

Installation of permanent storage tanks as per international standards

Designated semi-trailers and trucks for liquid oxygen supply

Supply of medical gas equipment and consumables

24/7 medical gases supply chain

Trucks specifically allotted for cylinder transportation

Connection with main gas pipe network

WHAT WE CAN OFFER YOU

Gulf Cryo offers a complete portfolio of medical gas solutions delivered in gaseous or liquid form, under specific transport conditions for use in gas therapy applications.

CLINICAL DIAGNOSTICS AND LABORATORIES

We offer specialty gases and gas mixtures for a wide range of clinical and medical laboratory applications that meet the highest purity standards. These include:

Complete line of specialty gas mixtures for calibrating research and clinical blood gas analyser

Liquid nitrogen freezers and cryopreservation gases



HOSPITAL AND CLINICAL CARE

We offer a full range of medical gas products, devices and related services such as:

Medical Oxygen for respiratory diseases, intensive care units, and operating theatres

Carbon Dioxide for minimal invasive surgeries such as laparoscopy, endoscopy and arthroscopy

Nitrous Oxide Oxygen in anesthesia and medical nitrous oxide and oxygen mixture (ENTONOX) in analgesia

Helium in MRIs to chill the MRI magnet

HELIOX for support in respiratory care

HOMECARE

We offer an in-depth experience in respiratory homecare along with additional related therapies for chronically ill-patients. These include:

Home oxygen therapy, ventilation therapies, aerosol therapy, and other additional services that include assessments, remote monitoring and other related programs.



MEDICAL EQUIPMENT

Gulf Cryo has a proven experience in focusing on technological progress in order to provide the right medical equipment such as integrated valves, portable cylinders and dewars which are designed to serve the healthcare sector in a manner that prolongs and improves quality of patient's life.

PORTABLE CYLINDERS WITH INTEGRATED VALVE REGULATOR

We offer portable cylinders with integrated pressure regulators that provide a complete and accurate gas control.

- High-shock resistant gauge
- Compact and lightweight design
- Easy clean guard material
- Ergonomic guard design for easy handling



MEDICAL-GRADE LIQUID GASES IN DEWARS

We offer a full line of medical-grade liquid gases in dewars for research diagnostics and inhalation therapy applications. Our medical gases meet global requirements and are produced in accordance with Gulf Cryo's high quality standards.

Our medical gases include:

- Liquid Oxygen
- Liquid Nitrogen
- Liquid Carbon Dioxide



A PATIENT-CENTRIC OUTLOOK

In an ageing population and the widespread of chronic diseases, healthcare services are under increasing pressure. We take care of your needs so you can take care of your patients. We work to ensure our solutions are always delivered and serviced to the highest standards of safety, quality and efficiency.



MEDICAL REGULATORS

We offer a compact rail-mounted regulator system which allows the user to efficiently and safely control suction, medical air, and oxygen therapy .

The control knob is easily accessible to regulate the gas level.

It complies with other medical devices such as the safety jar, humidifiers and flow meters.

SAFETY

Patient safety is of paramount importance in our daily medical gases operations, installation commissioning. With over 65 years of experience in medical gases, patient safety is at the heart of attention when it comes to our healthcare specialists. Training and development on gas and safety handling are continuously taking place along with periodic on-site audits to ensure consistent safety of our medical gases supply.

QUALITY

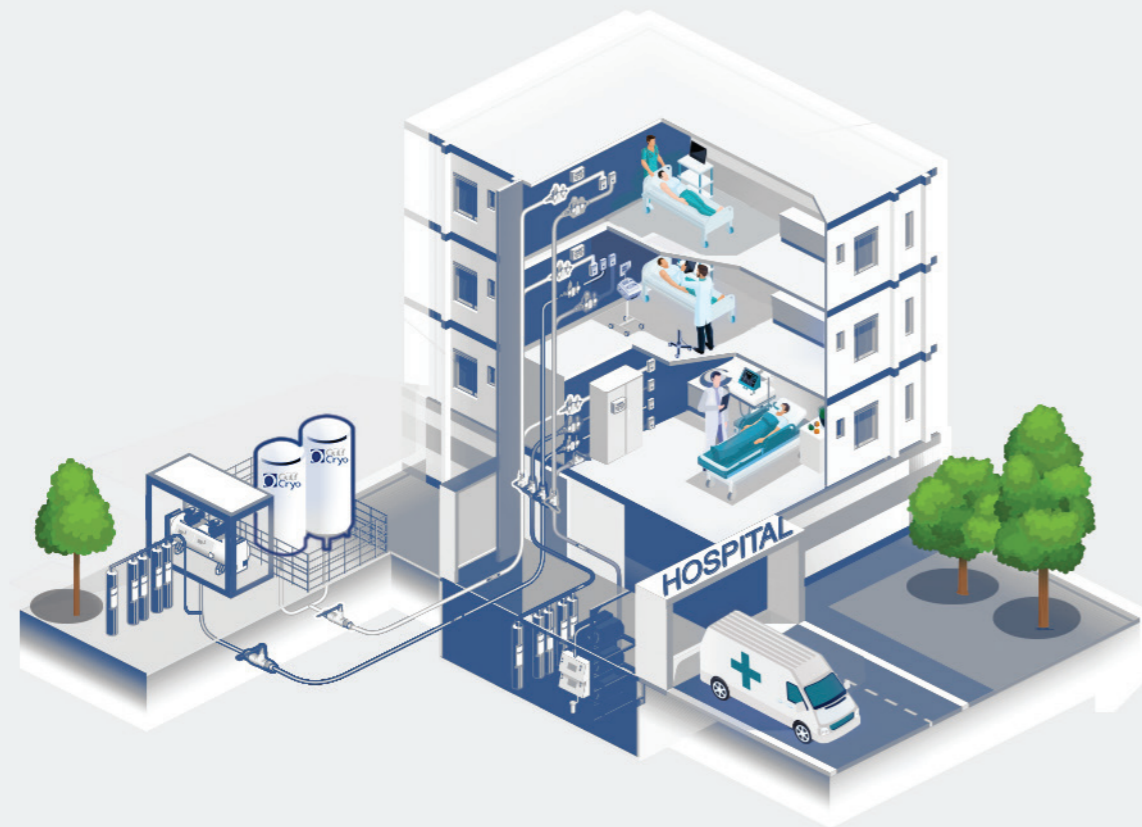
Our Healthcare products are in compliance with all international and local regulatory standards of Good Manufacturing and Distribution Practices. Due to the fact that medical gases are considered medicines, product quality is highly critical for patient safety. State of the art and fully automated filling centers are set to achieve sustainable and consistent supply, while we monitor our products through online laboratory analysis and product traceability to guarantee the highest quality.

EFFICIENCY

We don't just deliver product, we go far beyond by offering solutions and services tailored specifically to your needs and concerns. We design comprehensive All-in-One packaged support under a total gas management approach, which provide your healthcare staff peace of mind and enable them to focus on their core daily tasks of patient care and well-being. Gulf Cryo offers healthcare engineering expertise and consultancy for the installation and maintenance of gases supply systems and manifolds, permanent on-line stock monitoring via telemetry, and safe efficient supply of medical gases.

APPLICATIONS FOR HOSPITALS

Hospitals must have medical gases available at all times and directly within the treatment facilities. With an immense experience in the engineering and installation of medical gases distribution network, Gulf Cryo offers a coherent set of equipment inspected and qualified, preventive maintenance contract, medical compressed air and vacuum systems, gas piping network leak test and gas outlet alarm warning system, and automatic pressure switches/shut-off valves.



- Hospitals must have medical gases available at all times and directly within the treatment facilities. Gulf Cryo offers a coherent set of equipment to be connected on the gas pipeline network. Every piece of equipment is appropriate, reliable, and top-quality, to ensure the safety of the system under any circumstances. Our applications include: a medical gases network, bed head units and medical gases furnishing, medical oxygen storage, nitrous oxide gas station, medical air and vacuum station

OUR COMMITMENT

We are dedicated to help you promote a safer work and clinical environment and improve the quality of your patient care. To do that, we offer a variety of services that help you stay ahead of ever-changing industry standards and regulations.

24/7 availability at your premises

Reliable and responsive distribution network

Integrated medical gas delivery system

Testing and maintenance of medical gases - ensuring compliance with the latest standards and safety regulations

Performing medical gas analysis, evaluating stand-by oxygen reserve systems and reviewing emergency supply connections

In-house management of medical gases - direct management of cylinders, replacement and automatic re-ordering

Continuous remote monitoring of liquid storage and cylinders

Providing extensive training for medical and technical personnel on handling and safely utilizing medical gases and equipments.

Established reputation for quality of customer satisfaction

Gulf Cryo is committed to provide medical gases with an unrivalled technical innovation offered through a reliable and consistent supply of the high-purity medical oxygen, nitrogen, carbon dioxide and other gases any healthcare facility requires to focus on patient care.

Gulf Cryo LLC
Corporate Office
Dubai Investment Park 1, Dubai, UAE
P.O. Box :473531, Dubai, UAE
T +971 4 809 0000
www.gulfcryo.com



CONTACT US



www.gulfcryo.com

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