

جمعية الشرق الأوسط  
للغازات الصناعية

MEGA

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Middle East Gases Association

## Middle East Gases Association

The Middle East Gases Association (MEGA) was established in the year 2010 by the leading Industrial Gases producers operating in the Middle East region.

### This is Mega

The Middle East Gases Association, MEGA, is a safety and technically oriented Non-Profit organization representing the vast majority of globally and locally operating companies producing and distributing Industrial, Medical and Food Gases. The member companies closely co-operate in safety and technical matters to achieve the highest level of safety and environmental care in the handling of gases.

### Organization

MEGA has a President and a Board of Directors (BoD), which constitutes the governing body. The MEGA Office deals with legal, financial and administrative matters and supports all technical and safety work of Technical Committee and Working Groups.

Under the supervision of the Board, the Technical Committee (TC) directs the activities of the various Working Groups (WG) in their respective fields of expertise.

### Mission Statement

MEGA's Mission is to maintain the highest level of concern for safety and for the respect of environment at work place and in the community.

To provide Authorities in the region with expert advice on production, transport, storage and applications of industrial, medical and food gases.

To promote consistency of Safety, Health, Environmental and technical standards throughout the industrial gases industry in the Middle East region.

### Co-Operation with other Associations

MEGA fully co-operates with its sister association such as the EIGA (European Industrial Gases Association), the AIGA (Asian Industrial Gases Association), ANZIGA (Australian New Zealand Industrial Gas Association) and the SACGA (Southern Africa Compressed Gases Association)

### The so called "Industrial Gases"

The most common Industrial Gases are normally categorized as follows:

Air Gases:  
oxygen, nitrogen  
and argon

Rare Gases:  
helium, krypton,  
xenon and neon

hydrogen,  
carbon monoxide,  
carbon dioxide  
and nitrous oxide

chlorine,  
hydrogen chloride  
and sulfur dioxide

acetylene,  
methane and  
propane

### Support to Authorities and Official Bodies

MEGA provides Authorities with professional advice in the preparation of laws and regulations concerning gases and pressure equipments. MEGA also initiates the development of appropriate recommendations for their industry and provides Official Bodies (e.g. Fire Brigade/Ambulances) with technical expertise.

### Technical Documentation

MEGA is developing in their working groups a range of useful documents, written by experts in technology and safety. Most of these documents like Position Papers, Alerts or Safety Information can be downloaded free of charge from the MEGA website: [www.megas.org](http://www.megas.org)

### Advice and Guidance to the Industrial Gases Industry. MEGA...

1

... reviews in her corresponding working group SAG (Safety Advisory Group) reported accidents with the objectives of providing advice to members on how to prevent reoccurrence.

2

... provides advice and guidance on technical matters, particularly those which are safety-related.

3

... gives guidance on relevant environmental issues to ensure respect for the environment and to prevent pollution.

4

... informs and provides advice to members on relevant international legislative issues and the actions required for effective compliance.

5

... produces Position Papers reflecting the Industrial Gases Industry view on specific issues.

### Promote good Environmental Practices

Whilst the industrial gases industry has fewer apparent environmental issues than many other industries, part of MEGA's Mission is to promote good environmental practice amongst the member companies.

This is done by lessons learnt from incidents that are relevant to the industry and by developing of training tools of good environmental practice.

### Partner for Hospitals and Ambulances

Nitrous oxide and oxygen have been used medicinally for more than 100 years. Other gases, such as helium, are used in sophisticated techniques, such as MRI (magnetic resonance imaging), keyhole and cryogenic surgery and PET (positron emission tomography). Carbon dioxide is employed in bath therapy and for cryo-surgery, liquid nitrogen is used for cryo-surgery, rheumatic therapy and cryo-conservation and nitric oxide for patients with pulmonary failure.

### Delivery Methods

Air gases like oxygen, nitrogen and argon are mostly produced at low temperature in "air separation units" ASU. The main delivery methods for these air-gases are:

Through pipelines

As bulk delivery by road tankers or rail-tankers or in smaller dewars

In single cylinders or in pallets or as bundle

BLACK SEA

TURKEY

SYRIA

LEBANON

MEDITERRANEAN SEA

IRAQ

PALESTINE

JORDAN

IRAN

EGYPT

RED SEA

KUWAIT

BAHRAIN

QATAR

OMAN

SAUDI ARABIA

UAE

OMAN

ARABIAN SEA

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