



Let's get it flowing

**Individual plant technology for your liquid gases**



THE SPECIALIST IN **GASES**

Everything industry needs  
**Flexible. Individual. Reliable.**



**Nothing works without it.**

In all areas of industry, gases play an essential role. They are practically all-rounders, taking on the most varied challenges as they meet them. This runs from a purely protective capability, through control for certain processes, to acting as a carrier for substances. Most often it is the protective function of these technical gases that is used.

We will take care of your needs and ensure an uninterrupted supply. Direct and on-site,

with individual plant construction to suit your requirements. You tell us what you need and we will deliver your complete solution.

**You know who you can trust**

BUSE: a trusted name in gases for more than 130 years and a very experienced partner for your business. As one of the leading suppliers in both the Industrial and Specialty Gas Markets, we provide our customers with the highest quality products outstanding level of Service.

This dedication to excellence has been a key to

our success over the years and will continue to guide our actions in the future.

The industrial use of gases is nearly limitless. They can be found in every sector and fulfil the most varied tasks, thanks to their multiple different properties. No matter what goal is being followed, whether in the automotive or cellulose industry: an extremely broad range of uses is on offer.

# The volumes are up to you

## We will provide your preferred volume



### Carbon dioxide

CO<sub>2</sub> is used as a protective gas in welding. Here, it is either used pure or in a mixture with argon or helium.

In medical technology, it is used for therapeutic purposes and to ensure safety of application.

In minimally invasive surgery, it is used for the insufflation of body cavities for better visibility during endoscopies.

For storage in specially insulated tanks, carbon dioxide is liquefied under pressure or very low temperature.

### Argon

As a cost-effective noble gas with inert (unreactive) properties, argon is used as a protective gas in arc welding, MIG and TIG welding and metal production.

In medical technology too, it is used as a lasing medium in laser devices or as an operating gas in surgical devices.

For storage in vacuum-insulated tanks, argon is also liquefied under pressure or very low temperature.

### Helium

The noble gas, helium, also has industrial purposes as a protective gas in welding. In medical technology, it is used to generate magnetic fields in MRI technology. As a coolant, it reduces the coils in MRI devices to a temperature of minus 269 °C.

Helium is also stored in specially insulated tanks and liquefied at a temperature of -273 °C.

### Nitrogen

Nitrogen finds industrial use as a coolant in cryotechnology. In the medical field, it is used for shock freezing/conservation of ova, embryos, tissues during operation, blood, antibiotics, bacterial cultures, vaccines and to remove warts. It is stored in double-walled containers because of its low boiling point.

### Oxygen

Oxygen is used in industry to cut metal. It also has medical uses, as an emergency treatment and in intensive care, or for oxygen therapy if blood oxygen levels are low (liquid at high flow rates).

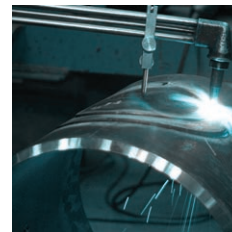
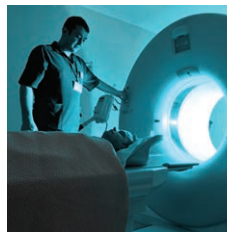
The storage of liquid oxygen also takes place in vacuum-insulated tanks under pressure or very low temperature.



# We are your problem-solver

## No matter what market you work in

Liquid gases are needed everywhere – be it food processing, health, industry or manufacturing. This lets us stand at our customers' sides as a reliable partner in many sectors, one that understands what they have to deal with. The following table gives an overview of the options we offer. Anything not included can happily be worked out together with you. That's what a perfect partnership looks like.



Branch	Specialty Gases	Cylinder Gases	Liquid Bulk Gases	Hydrogen	On-Site Gases	Utilisation/Technologies
Medical		○	○			CO <sub>2</sub> for hospital & home care
Pharmaceutical & Biotech	○	○	○	○	○	Inerting, effluent treatment, VOC recovery, micronisation, reaction cooling, hydrogenation, freezing, Chilling, Packaging, Waste Water Treatment,
Food & Beverage		○	○	○	○	Hydrogenation, Heat Treatment, Welding, Lasing,
Automotive	○	○	○	○	○	Fuelling
Electronics	○	○	○	○	○	Ultra Pure Gas Handling System
Chemistry & Petrochemical	○	○	○	○	○	Inerting, effluent treatment, VOC recovery, micronisation, reaction cooling, hydrogenation
Metal (Processing/ Production)	○	○	○	○	○	Carburising, Annealing, Sintering, Brazing, Combusting Systems, reheating, inerting
Metal Fabrication		○	○		○	Welding, Cutting, Lasing
Glas		○	○	○	○	Combusting systems, Inerting

You have the needs

**We offer the solution... the complete solution!**



**We are adaptable.**

That is one of our strengths: because in the supply of liquid gas, the required quantity is what is important. Here, we are able to offer a number of individual solutions. Regarding the capacity of the storage tanks, the volume can run from 1,000 to 100,000 litres. Lying or standing, depending on the space and conditions on site.



Our high standards are apparent our storage tanks are top-quality. We can also deliver you a full system with all necessary components, including set-up, installation and maintenance. From the tank and evaporator to the pumps, pipes and filling station, we supply it all. We are your contact for individual solutions. This makes you more independent of your gas supplier, protects you from wait times and allows you to react with great speed. We offer the best conditions for optimum competitiveness.

Our bespoke payment solutions are designed to fit your needs. Whether you wish to purchase outright, rent or lease we have the right solution for you, freeing up capital will immediately inject power into your growth strategy and plans. Get an edge on your competitors with BUSE. The Specialist in Gases.



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