

CRYOTEC Company Presentation

Structure | Business Fields | Services

IDEAS INSIDE



CONTACT

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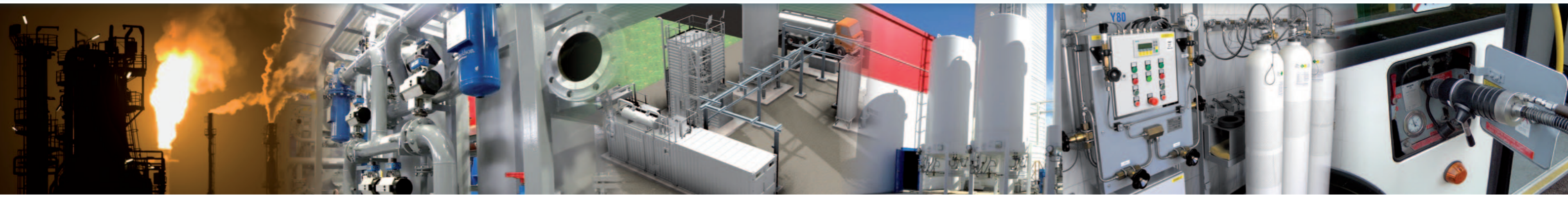
Website: www.cryotec.de



Cryotec is certified according to DIN EN ISO 9001:2008

We have the space for your ideas.

Whether air separation plants, carbon dioxide recovery, special applications for technical gases or natural gas treatment – our strength are tailor-made plants for special requirements. Beyond that, Cryotec has developed several sophisticated and compact technologies to make air and its components useable and profitable for the benefit of mankind.



Cryogenic plant construction - plants for technical gases

About the preparation, application and usage of industrial gases

Plants for the separation of gases and air have been built in the Saxon town of Wurzen since 1880. Today, CRYOTEC does not offer you a standard system from the rack. The concept of each plant is adapted to its requirements and demands. The customised requirements determine the course we take.

We place great importance not only on being your expert as a prime plant manufacturer but also by offering you an all inclusive, excellent service. All the way from planning and manufacturing to training and commissioning locally at your premi-

ses. We provide our customers with quick and reliable support even over great distances by availing ourselves of remote diagnosis and maintenance services. By using a state-of-the-art document administration system a smooth, unbureaucratic supply of spare and wear parts is guaranteed.

The economic efficiency and reliability of your CRYOTEC system is always in the forefront.

THE CRYOTEC BUSINESS UNITS



Our Technologies

- Air Separation
→ *Liquid and gaseous oxygen, nitrogen, argon*
- CO₂ - Recovery
- Natural gas treatment and liquefaction (LNG & CNG)
- FlareRec (Flare gas utilisation plants)
- Special applications of technical gases

Our Services

- Plant engineering and investment preparation
- Process design
- Certified manufacturing
- Installation and commissioning at the customers site
- Training and support
- After-sales service



Air separation process

For production of oxygen, nitrogen and argon. The precious products are gained from atmospheric air, based on a low-temperature rectification process.

Carbon dioxide recovery

Economic and environmental friendly from natural resources, fermentation processes, industrial and chemical processes.

Processing of natural gas

With the CRYOTEC technology the natural gas is purified, desulphurized, dried and liquefied (LNG). Directly at the source for being transported.

FlareRec

With our intelligent and flexible in-house FlareRec process such elements like flare gases and associated gases can be stored, purified, but also used for power generation.

Special applications for technical gases

We are specialists for technical gases. Special applications are gas scrubbing, biogas processing, handling of special gases like monosilane and mobile systems for oxygen / nitrogen generation and treatment.

CONTACT PERSON

For general questions around the Cryotec portfolio, please contact:

contact@cryotec.de

CRYOTEC is a member of EPC Group

EPC FIELDS OF COMPETENCE




CRYOTEC
Anlagenbau GmbH

- Cryogenic systems
- Systems for compression and liquefaction of gases
- Air separation systems
- High Purity N₂ Generation

 <ul style="list-style-type: none"> • Polymers and fibers • Chemistry • Renewable energy • Biotechnology • Engineering services & Infrastructure 	 <ul style="list-style-type: none"> • Pharmaceuticals • Fine chemistry • Specialty chemistry 	 <ul style="list-style-type: none"> • Construction engineering • Infrastructure • Building & civil engineering • Project management
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CRYOGENIC OXYGEN - NITROGEN - ARGON


Technical details



PERFORMANCE


- O₂: 50 - 10.000 Nm³/h
- N₂: 50 - 20.000 Nm³/h
- Ar: 12 - 240 Nm³/h

all products gaseous and / or liquid



PURITY

- O₂: 99.5 - 99.9 % by vol.
- N₂: up to 1 ppm (v) O₂
- Ar: up to 5 ppm (v) O₂



PRESSURE

- 0.2 - 25 bar g for the storage in liquid gas tanks
- 4 - 50 bar g for network supply
- max. 300 bar g for filling into high-pressure steel cylinders

OXYGEN - NITROGEN - ARGON

For purest applications

These systems are particularly suitable for the production of liquid and / or gaseous oxygen, nitrogen and argon.

The products are of highest purity and find wide fields of application in medicine and industry.