CRYOTEC Company Presentation

Structure | Business Fields | Services

IDEAS INSIDE

CONTACT

Cryotec Anlagenbau GmbH

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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.“

CRYOTEC Anlagenbau GmbH WURZEN ...a member of EPC Group

CRYOTEC Anlagenbau GmbH WURZEN
IDEAS INSIDE

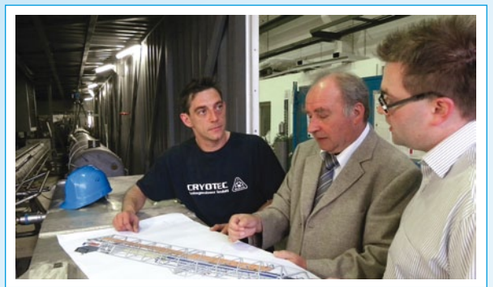
Cryogenic plant construction - plants for technical gases
About the preparation, application and usage of industrial gases

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 premises. 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*
- CO_2 - Recovery
- Natural gas treatment
- FlareRec *(Flare gas utilisation plants)*
- Special applications of technical gases
- ORC 100 *(Waste heat recovery utilisation)*

Our Services

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

www.cryotec.de

Air separation process

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.

ORC 100 - Waste heat recovery utilisation

Utilising the waste heat of your plant intelligently and gaining an ROI after five years – these are the energy-supplying prospects of ORC 100.

CONTACT PERSON

For general questions around the Cryotec portfolio, please contact:

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CRYOTEC is a member of EPC Group
EPC FIELDS OF COMPETENCE

EPC GROUP

EPC EngineeringConsulting	EPC Technology	EPC IndustrialEngineering
• Renewable energies • Chemistry • Engineering services	• Pharmaceuticals/ fine chemistry • Specialty chemistry	• Polymers / special polymers • Fibers and filaments
BAUPROJEKT • Construction engineering • Infrastructure	CRYOTEC Anlagenbau GmbH • Cryogenic systems • Systems for compression and liquefaction of gases	CERTIFICATE

CRYOGENIC OXYGEN - NITROGEN - ARGON
Technical details

PERFORMANCE
- O_2: 50 - 5.000 Nm^3/h
- N_2: 50 - 10.000 Nm^3/h
- Ar: 12 - 120 Nm^3/h

all products gaseous and / or liquid

PURITY
- O_2: 99.5 - 99.9 % by vol.
- N_2: up to 1 ppm (v) O_2
- Ar: up to 5 ppm (v) O_2

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