

The Atlas Copco logo is located in the top right corner. It consists of the company name "Atlas Copco" in a serif font, centered between two horizontal blue bars. The background of the entire page is a dark blue gradient with a molecular structure of glowing blue spheres and connecting lines. In the center, a hand made of a blue wireframe mesh holds two blue spheres with spiral patterns. In the bottom left, a white triangular area contains technical drawings of industrial machinery.

Atlas Copco

# Great ideas transform industries

Welcome to Atlas Copco Gas and Process

We help customers prepare for tomorrow by designing, building, and servicing turbocompressors, gas screw compressors and turboexpanders for the hydrocarbon processing, power generation and industrial gases industries. Our passionate people are dedicated to helping customers handle today's pressures while creating a sustainable future.

Atlas Copco



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Dear customer,

The past few years have clearly demonstrated that humankind has no alternative: We all have to aggressively push energy and climate transformation and work tirelessly on our journey to Net Zero Emissions by 2050 and a 50% reduction of greenhouse gases by 2030.

As Atlas Copco Gas and Process, our mission is to help our customers become leaders in the global move towards cutting the carbon and realizing a circular economy. This philosophy suggests that industrial by-products are captured, recycled, then being used as feedstock and monetized, rather than being wasted.

A circular economy requires smart rotating equipment solutions capable of pushing beyond known technological limits, and into uncharted territory.

At the same time, I am very confident that Gas and Process will play an essential role in this: We have the experience. We have the technologies. And we have the ingenuity to help our customers leave a lasting footprint in a circular economy.

This move towards a more sustainable future already includes emerging fields such as Industrial Heat Pumps, Hydrogen, Carbon Capture Utilization and Storage, to name a few. In addition, even if fossil-based feedstocks will be utilized less, our compressors, expanders and pumps will be needed in many future clean energy and renewable hydrocarbon applications that are needed to supply the global economy with consumer and industrial goods. Many of the processes already using turbocompressors, turboexpanders and pumps today are expected to be essential in the future: They will support the world in its quest of a more sustainable production of energy, fuel and feedstock.

As Gas and Process, we are proud and very well prepared to support our customer's business and processes requirements – especially as they make their very own contribution to the energy transformation.

**ROBERT**  
**RADIMECZKY**

President Gas and Process



# Atlas Copco facts and figures

*At Atlas Copco, we have been turning industrial ideas into business-critical benefits since 1873.*

*By listening to our customers and knowing their needs, we deliver value and innovate with the future in mind.*



Customers in  
**180** countries



**43,000**  
employees in 70 countries



Established in  
**1873** Stockholm, Sweden



Turnover of nearly  
**111** BSEK / **11** BEUR



Operating margin of **21.2%**



# A decentralized Group

Board of Directors



President and CEO



Group Management



## COMPRESSOR TECHNIQUE

- Compressor Technique Service
- Industrial Air
- Oil-free Air
- Professional Air
- **Gas and Process**
- Medical Gas Solutions
- Airtec



## VACUUM TECHNIQUE

- Vacuum Technique Service
- Semiconductor Service
- Semiconductor
- Semiconductor Chamber Solutions
- Scientific Vacuum
- Industrial Vacuum



## INDUSTRIAL TECHNIQUE

- Industrial Technique Service
- MVI Tools and Assembly Systems
- General Industry Tools and Assembly Systems
- Chicago Pneumatic Tools
- Industrial Assembly Solutions
- Machine Vision Solutions



## POWER TECHNIQUE

- Power Technique Service
- Specialty Rental
- Portable Air
- Power and Flow





Atlas Copco  
Gas and Process Division

# Atlas Copco Gas and Process

## – An overview



**Establishment**  
**1980**



**Construction code**  
All common international codes and standards



### Products manufactured

- Our equipment is "Engineered to Order" / API 617 and 672 engineered
- Custom-made integrally-gear centrifugal compressors in single and multi-stage (1 – 8 stages) configurations
- Integrally-gear and non-gear turboexpanders for process gas applications and energy recovery
- Non-gear turbocompressors for process gas
- Positive displacement compressors
- Corresponding aftermarket products and services for our products
- API 610 engineered centrifugal pumps for hydrocarbon fluid processes



**Production locations**  
Germany, United States, India, China, Korea and Canada



**Markets served**  
Hydrocarbon processing, industrial gases, power generation (both conventional and renewable) across the globe in more than 180 countries



**Worldwide support**  
Strategically located parts and service centers and more than 50 customer centers offer support worldwide

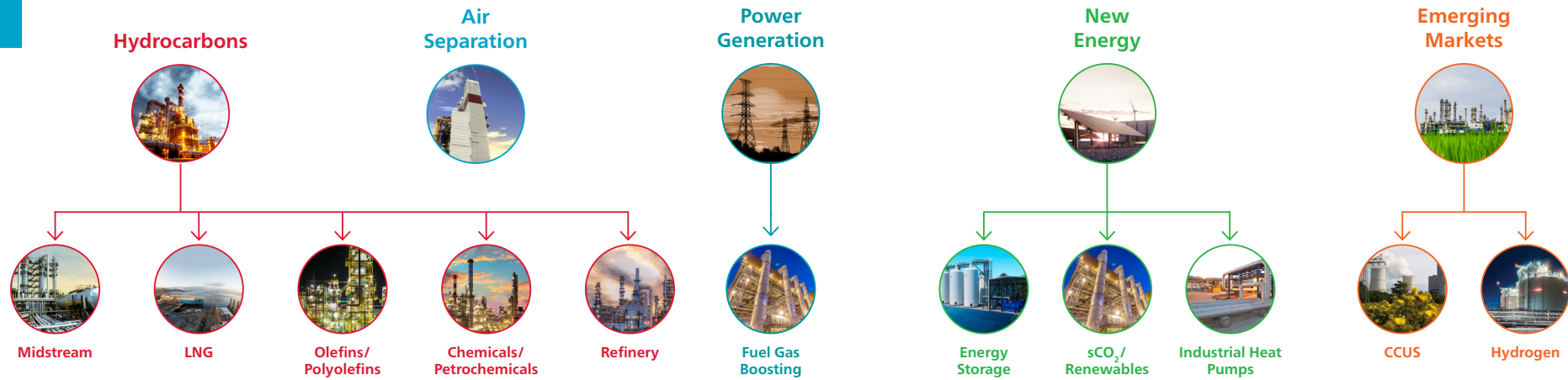


# Global structure: Gas and Process Division

Headquarters: Cologne



# Markets served by Atlas Copco Gas and Process



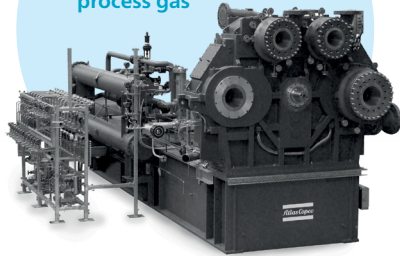
# OUR TECHNOLOGY

Atlas Copco  
Gas and Process Division

# Centrifugal compressors and expanders

## Integrally-gearred turbomachinery

Integrally-gearred  
compressor for  
process gas



Integrally-gearred  
compressor for  
air/nitrogen



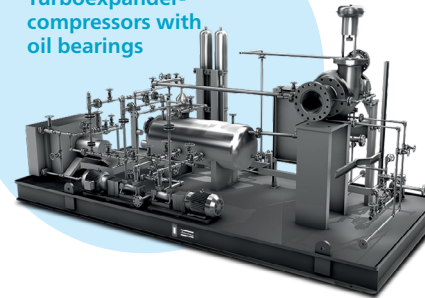
Integrally-gearred  
turboexpander



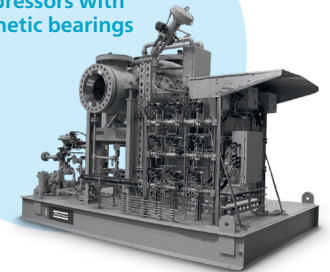
Scan the QR Code to know more about our compressors.

## Non-gearred turbomachinery

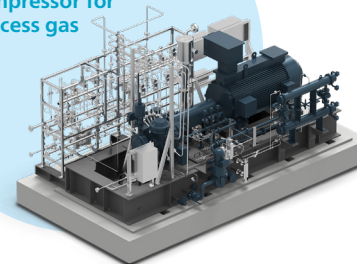
Turboexpander-  
compressors with  
oil bearings



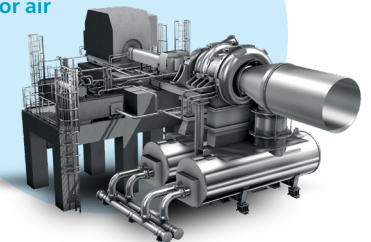
Turboexpander-  
compressors with  
magnetic bearings



Non-gearred  
compressor for  
process gas



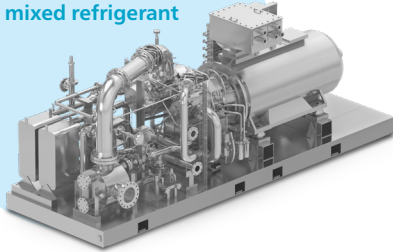
Non-gearred  
compressor  
for air



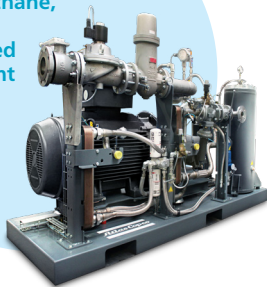
Scan the QR Code to know more about our turboexpanders.

## Gas screw compressors

Oil-free gas screw for (Bio)-methane, NG, BOG, CO<sub>2</sub>, mixed refrigerant



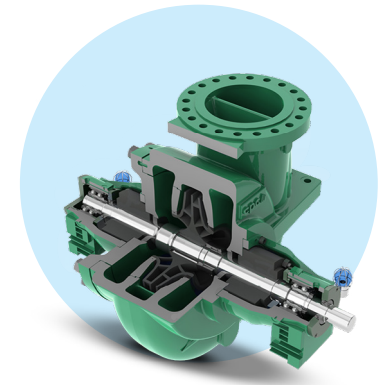
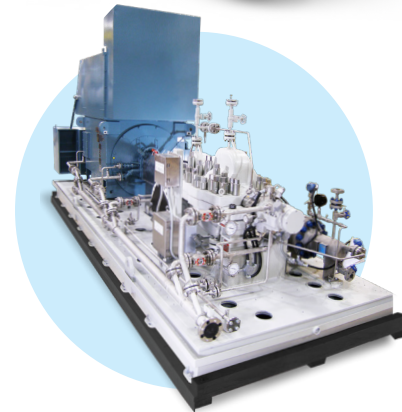
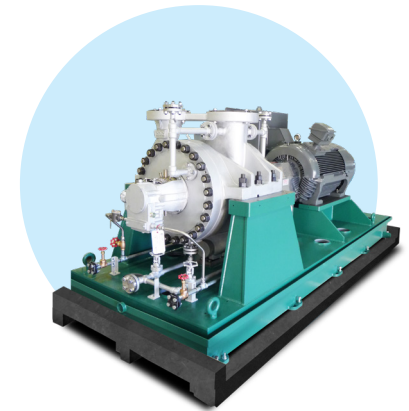
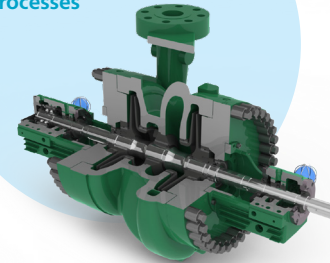
Oil-injected gas screw for (Bio)-methane, NG, BOG, CO<sub>2</sub>, mixed refrigerant



Scan the QR Code to know more about our gas screw compressors.

## Centrifugal pumps

API 610 engineered fluid pumps for hydrocarbon processes



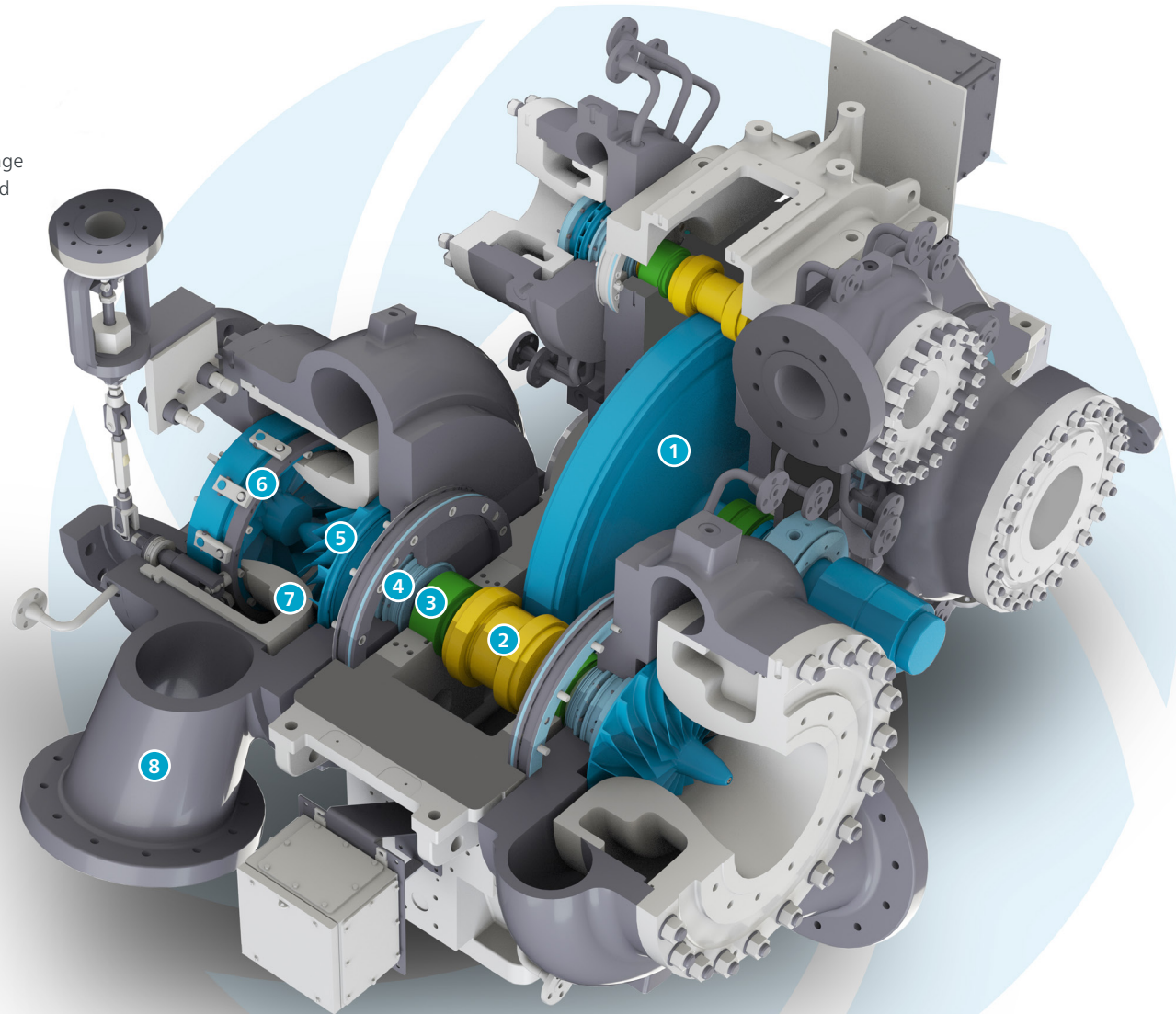
Scan the QR Code to know more about our centrifugal fluid pumps.

## Inside an integrally-geared turbocompressor

### Give your process a clear advantage with integral gearing

As the industry's most efficient and compact compressor design, integral gear technology is the go-to solution for numerous applications. Through its optimized aerodynamics, superb process control and interstage cooling capabilities, integral gearing provides the efficiency, reliability and performance that are vital to our customers' process.

- 1 Bull Gear
- 2 Pinion / pinion gears
- 3 Bearing
- 4 Seals
- 5 Impeller
- 6 Inlet guide vanes
- 7 Shroud
- 8 Housing

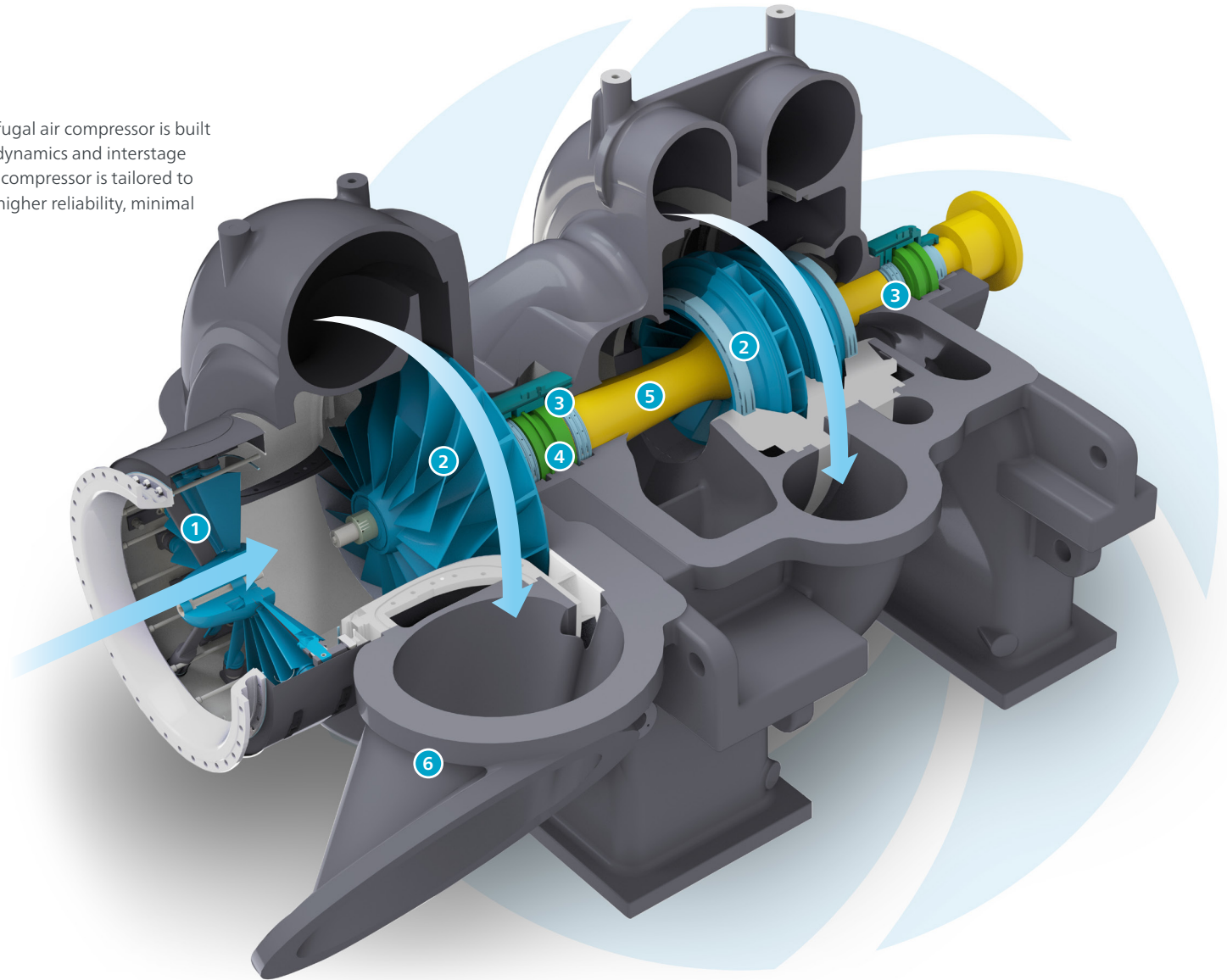


## Inside a non-g geared Main Air Compressor

### Our robust single-shaft multi-stage design

To provide high flow capability, our single-shaft centrifugal air compressor is built on a sturdy frame with proven compressor stage aerodynamics and interstage cooling. Designed for higher capacity, the single-shaft compressor is tailored to the needs of the air separation industry for efficiency, higher reliability, minimal maintenance and faster installation.

- 1 Inlet guide vane
- 2 Impeller
- 3 Seals
- 4 Bearing
- 5 Single shaft
- 6 Housing

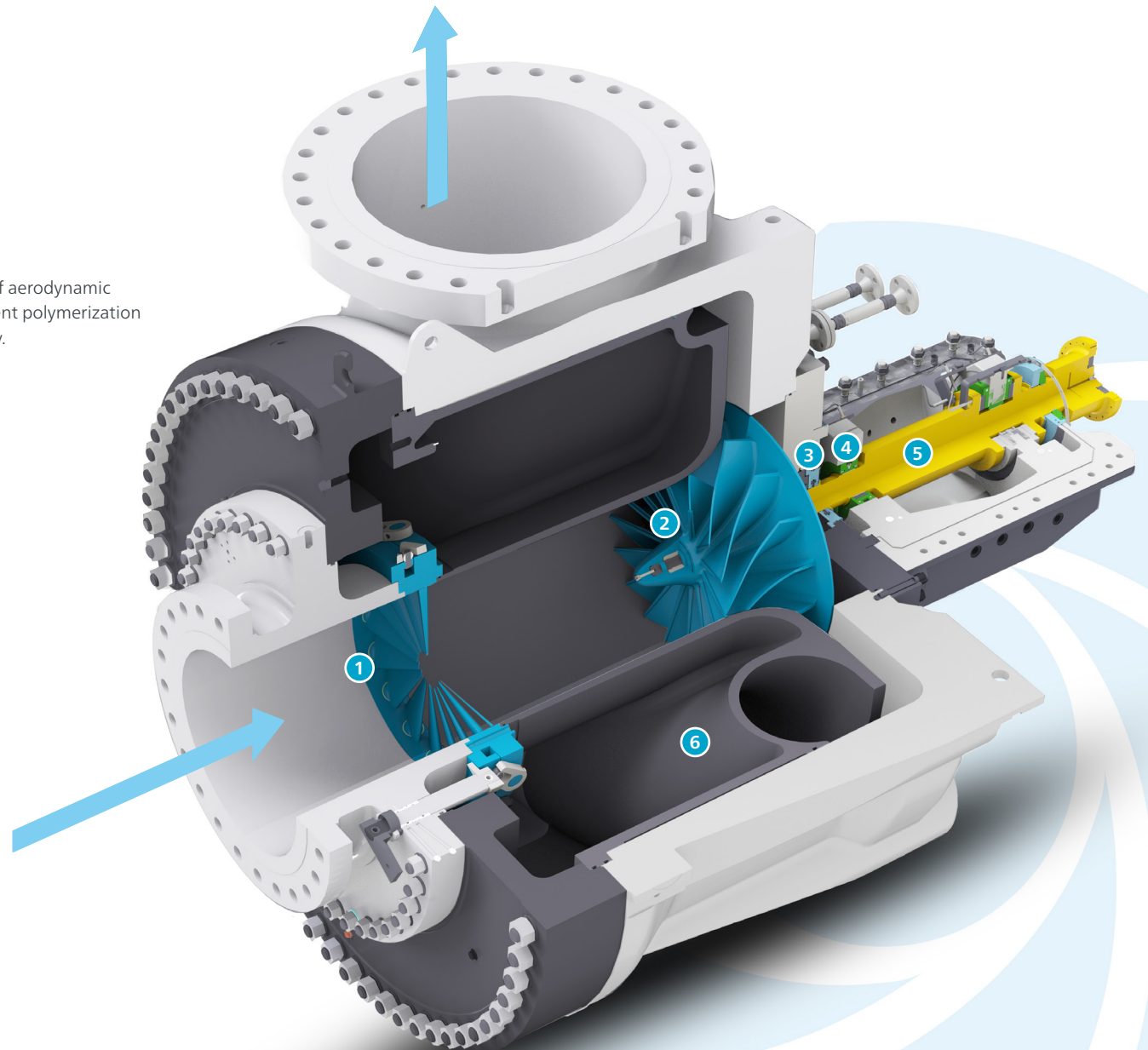


## Inside a non-g geared turbocompressor for Polyolefins

### Simple concepts for superior process reliability

Our single-shaft non-g geared compressor unlocks a high level of aerodynamic performance. The entire compressor stage is designed to prevent polymerization in the machine, thus ensuring process reliability and availability.

- 1 Inlet guide vane
- 2 Impeller
- 3 Seals
- 4 Bearing
- 5 Shaft
- 6 Housing



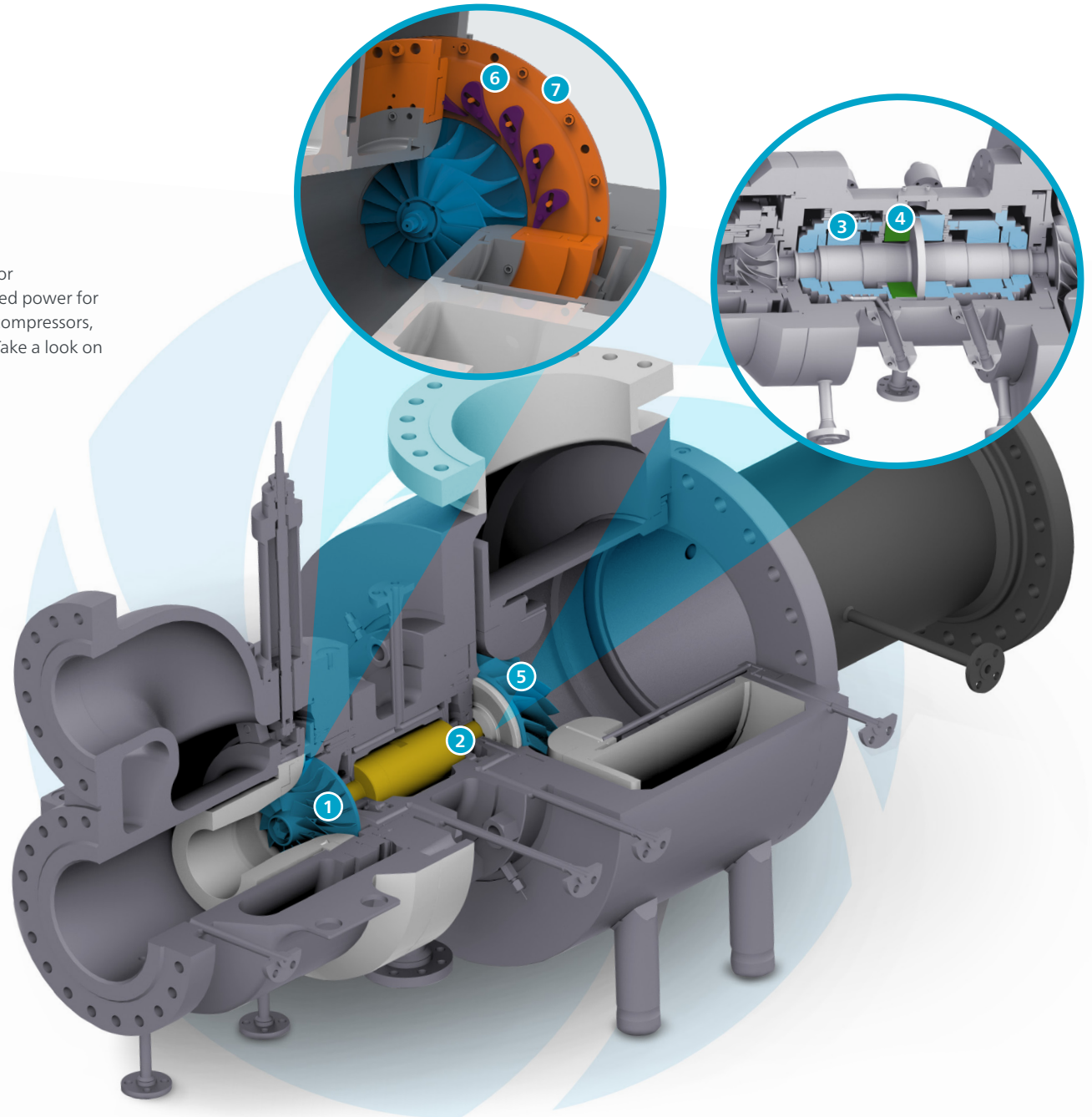


## Inside a non-g geared turboexpander

### Explore our turboexpander technology

The technology behind our turboexpanders is designed for superior performance – to provide more cryogenic cooling or more recovered power for every application. In the case of our hydrocarbon turboexpander compressors, this means greater liquid recovery and extra compression power. Take a look on the inside to see the key design features.

- 1 Expander wheel (impeller)
- 2 Shaft
- 3 Shaft seals
- 4 Journal and thrust bearings
- 5 Compressor wheel (impeller)
- 6 Inlet Guide Vanes (IGVs)
- 7 Nozzle Ring

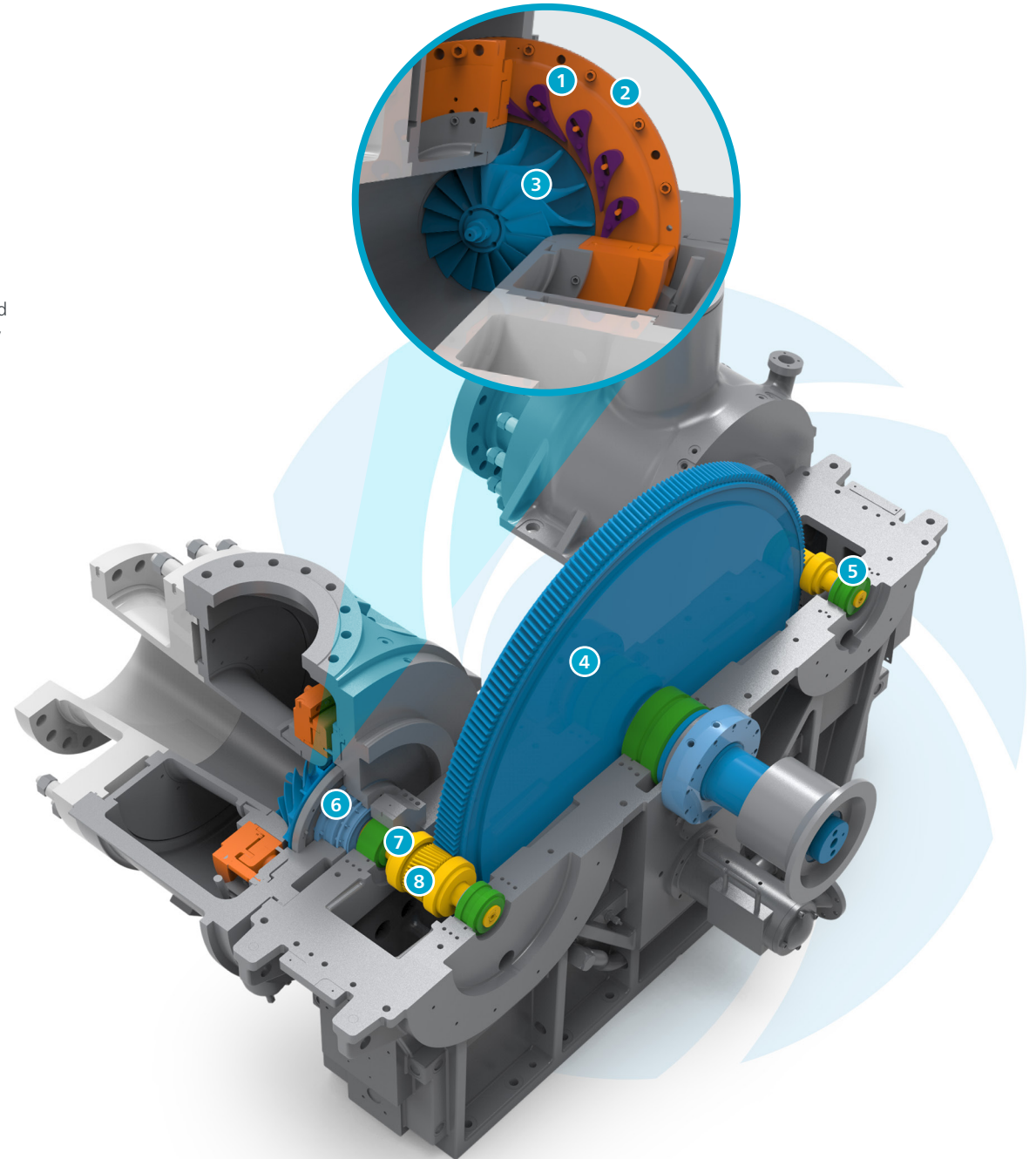


# Integrally geared turboexpander

## Benefit from the multistage integral gearing advantage

As one of the industry's most efficient and compact designs, integral gear technology enables optimal aerodynamic speeds at each stage. Integrally-g geared turboexpanders offer you a small footprint and provide efficient energy recovery from waste-heat, geothermal and excess pressure (pressure letdown) sources.

- 1 Inlet guide vanes
- 2 Nozzle ring
- 3 Impeller
- 4 Bull gear
- 5 Bearings
- 6 Seals
- 7 Shaft
- 8 Pinion gear





Chemical and petrochemical



Hydrogen



Industrial Gases



CCUS



Small scale LNG



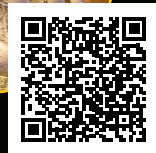
Large Scale LNG



Midstream



Power Generation



Renewables and Energy Recovery



# OUR INDUSTRIES

Scan the applicable QR code for more information about your market.



# OUR AFTERMARKET Services

- Decentralized global network
- Spanning 180 markets
- 24/7 global customer support
- 120 service technicians available on stand-by
- Lifetime availability on OEM parts
- Service OEM turbocompressors, turboexpanders and non-OEM turboexpanders



Atlas Copco Gas and Process  
Schlehenweg 15,  
50999 Cologne, Germany  
[www.atlascopco-gap.com](http://www.atlascopco-gap.com)

