

Turbomachinery

Shaping the future of industries



**Products
and markets**



Moving big things to zero

Everllence is a leading provider of propulsion, decarbonization and efficiency solutions for shipping, the energy economy and industry. We help key industries in the global economy to reduce hard-to-abate emissions; our technologies have a measurable impact on the success of the global energy transition. Our customers also benefit from the global service center network operated by our after-sales brand, Everllence PrimeServ.

Our brand name brings together two key elements of our identity: 'ever' and 'excellence'

Ever

We have been making industrial history for as long as industry has existed. The history of our own company dates all the way back to 1758. We invented the diesel engine, developed the first steam turbine, launched the first Power-to-Gas plant and subsea compressor – and now we've implemented the first large-scale heat pump designed to replace a coal-fired power station: 'first ever' innovations are part of our DNA.

Excellence

It's not just the end goal that matters, but how you get there; striving for excellence spurs us on and drives us forward. We aspire to achieve the highest standards at every stage in the value chain, setting new industry benchmarks along the way. We put excellence into practice across five dimensions: in our customer relationships, in processes and quality, in technology, in sustainability and in our corporate culture.

➤ **260** **140**
years of experience sites worldwide

Turbomachinery products & solutions

Each of our customers is unique and many of them have very specific needs. Our solutions reflect that. Our comprehensive product range includes compressors, expanders and steam turbines which will integrate seamlessly into most industrial applications. For large scale, demanding applications, the Everllence team supporting the industries segment provides customized, fully integrated train solutions that are unsurpassed in performance, efficiency and reliability.

We are creating sustainable solutions for our customers by incorporating our high-quality products in systems decarbonizing the energy supply while delivering world class service and digital support worldwide. For the next 260 years and beyond.

Everllence

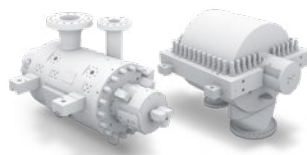
Product overview

Click on a product to view the relevant product page



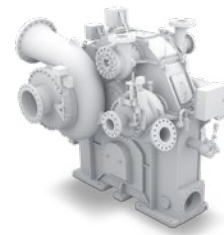
Axial compressors

4



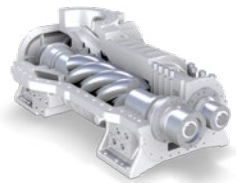
Radial compressors

4



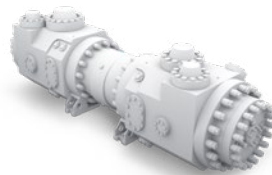
Integrally geared compressors

5



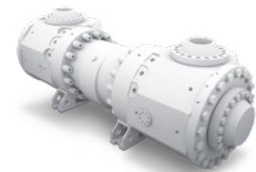
Process gas screw compressors

5



HOFIM® technology

6



MOPICO® technology

6



Isothermal compressors

7



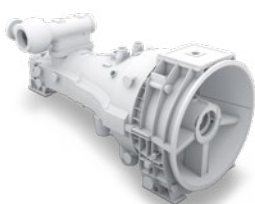
TURBAIR® vacuum blowers

7



Expanders

8



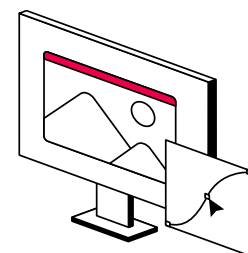
Steam turbines

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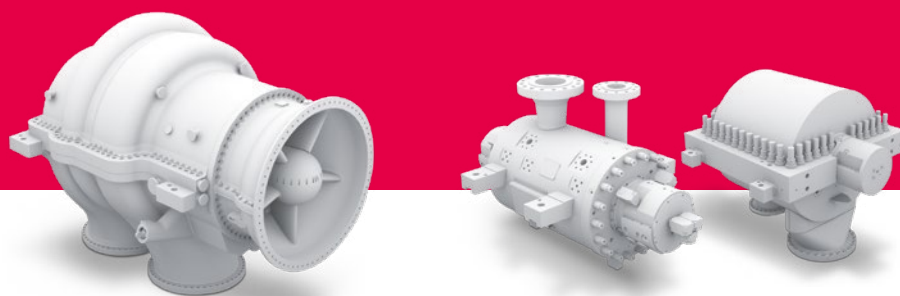
Production sites

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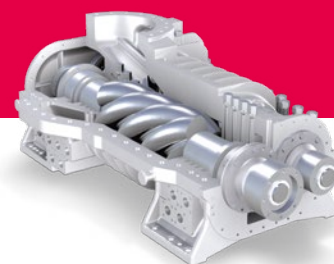
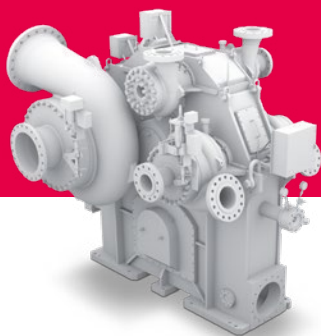
[everllence.com](https://www.everllence.com)

Products and markets



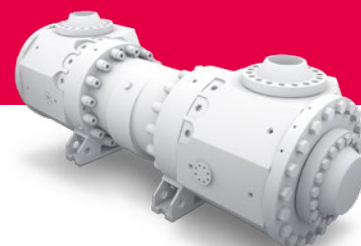
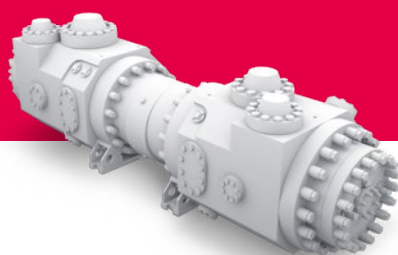
Products		Axial	Radial (vertical/horizontal)
Markets	Upstream		Gas lift, gas injection, gas export, gas gathering, gas treatment, gas processing, CO ₂ -injection, liquid petroleum gas, natural gas liquids, flash gas
	Midstream	Liquefied natural gas, CO ₂	Gas transport, gas storage, fuel gas, liquefied natural gas boil off, tank vapor
	Downstream	Desulfurization, olefin recovery, fluid catalytic cracking, propane dehydrogenation, nitric acid, maleic acid, others	Hydrogen production, hydrogen recovery, hydrogen cracking, desulfurization, olefin recovery, fluid catalytic cracking, propane dehydrogenation, methanol, ethylene, chlorine, gas-to-liquids, coal-to-liquids, ammonia, urea, nitric acid
	Industrial gases	Air separation (incl. gas-to-liquids, coal-to-liquids), blast furnace, others	Air separation (incl. gas-to-liquids, coal-to-liquids), oxygen, paper
	Power generation	Fuel gas, boil off, tank vapor, others	Integrated gasification combined cycle (IGCC)
	Decarbonization solutions	Carbon capture, utilization and storage (CCUS), energy storage	CCUS, energy storage, hydrogen compression, heat pump, green and blue ammonia, green methanol
Performance data and features		Suction flow rates up to 1.5 million m ³ /h Max. discharge pressure: 25 bar	Horizontal split design: • Suction flow rates up to 900,000 m³/h • Max. discharge pressure: 60 bar Vertical split design: • Suction flow rates up to 330,000 m³/h • Min. suction flow rates: 100 m³/h • Max. discharge pressure: 1,000 bar
Go to product website			

Products and markets



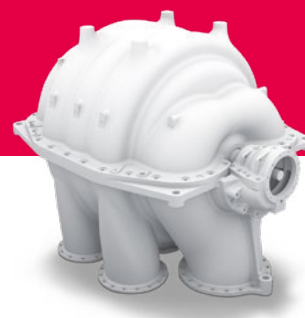
Products		Integrally geared	Process gas screw
Markets	Upstream	CO ₂ -injection, CCUS	Vapor recovery, flash gas, gas gathering, gas processing
	Midstream	Gas transport, gas storage, liquefied natural gas	Hydrogen feeder (electrolyzers), fuel gas, boil off
	Downstream	Methanol, chlorine, hydrogen processing, propane dehydrogenation, ammonia, urea, nitric acid, gas-to-liquids, coal-to-liquids, CO ₂ , terephthalic acid, refrigeration, vapor, others	Hydrogen production (PSA), hydrogen mixtures, styrene monomer, butadiene, linear alkyl benzene (LAB), flare gas, acetylene, steam, aniline, ethylene, propylene
	Industrial gases	Air separation (incl. gas-to-liquids, coal-to-liquids), blast furnace, paper	Coke oven gas, blast furnace, direct reduction, soda ash
	Power generation	IGCC, fuel gas	Fuel gas
	Decarbonization solutions	CCUS, energy storage, hydrogen compression, heat pump, steam compression, CCHR (carbon capture heat recovery), green and blue ammonia	Hydrogen compression, steel works (blast furnace, coke oven gas, DRI), vapor recovery
Performance data and features		• Suction flow rates up to 600,000 m³/h • Max. discharge pressure: 250 bar	• Suction flow rates up to 100,000 m³/h • Max. discharge pressure: 52 bar • Medium: suitable for corrosive, particle loaded gases and other gases
Go to product website			

Products and markets



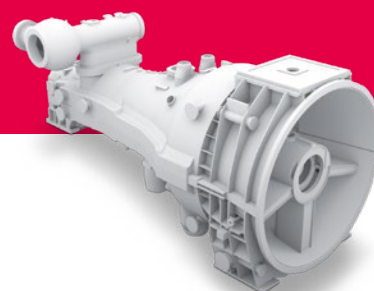
Products		HOFIM® technology	MOPICO® technology
Markets	Upstream	Gas export, gas lift, gas gathering, gas reinjection, gas processing, flash gas, subsea, wet gas, wellhead gas	
	Midstream	Gas storage, gas transport, liquefied natural gas	Gas storage, gas transport
	Downstream	Hydrocarbon processes, helium, nitrogen	Hydrocarbon processes, helium, nitrogen
	Industrial gases		
	Power generation		
	Decarbonization solutions	Heat pump, energy storage, hydrogen compression	Heat pump, hydrogen compression
Performance data and features		• Gas compression up to 18 MW • Outlet pressure up to 300 bar • Suction flow rates up to 30,000 m³/h • Hermetically sealed compact compressors with integrated high-speed electrical motor and active magnetic bearings • Suitable for unmanned operations	• Gas transmission up to 18 MW • Outlet pressure up to 130 bar • Suction flow rates up to 40,000 m³/h • Hermetically sealed compact compressor with integrated high-speed electrical motor and active magnetic bearings • Suitable for unmanned operations
Go to product website			

Products and markets



Products		Isothermal	TURBAIR® vacuum blowers
Markets	Upstream		
	Midstream		
	Downstream	Nitric acid, ammonia	
	Industrial gases	Air separation, blast furnace, oxygen	Board, pulp & paper, tissue
	Power generation		
	Decarbonization solutions	CCUS, energy storage	
Performance data and features		• Flow rates up to 760,000 m³/h • Max. discharge pressure: 21 bar	• Suction flow rates up to 200,000 m³/h • Vacuum levels up to 75 kPa
Go to product website			

Products and markets



Products	Expanders	Steam turbines
Markets		
Upstream		
Midstream	Liquefied natural gas	Gas transport
Downstream	Fluid catalytic cracking, terephthalic acid, nitric acid	Gas-to-liquids, coal-to-liquids, hydrogen processing, hydrogen production, hydrogen recovery, hydrogen cracking, desulfurization, fluid catalytic cracking, propane dehydrogenation, methanol, olefins, terephthalic acid, chlorine, ammonia, urea, nitric acid, ethylene, others
Industrial gases	Blast furnace top gas recovery turbine	Air separation, blast furnace blowers, others
Power generation	Power recovery	Industrial power generation incl. waste-to-energy, biomass, concentrated solar power, pulp & paper, combined cycle, waste heat recovery systems (WHRS), others
Decarbonization solutions	CCUS, heat pump, energy storage	
Performance data and features	• Single- and multi-stage design • Axial and radial flow design • Inline and integrally geared • Medium: air, tail gas, top gas, offgas, CO₂, and other gases • Power output up to 180 MW • Inlet temperature up to 760 °C • Inlet pressure up to 140 bar	• Generator and mechanical drive • Live steam up to 140 bar and 540 °C • Power output up to 180 MW
Go to product website		

Production sites



Bangalore, India

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