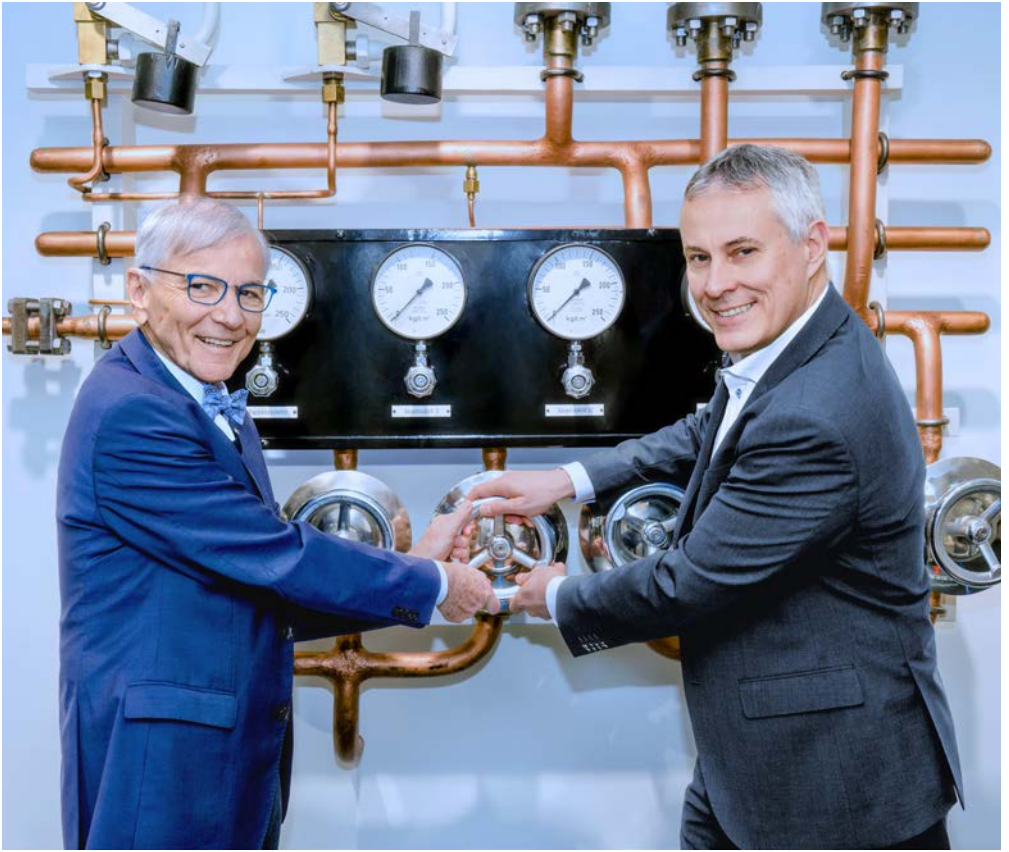




Messer in  
compressed  
form.



Only under an exceptional atmosphere, can you be at your best.



„Journeys are better undertaken  
as a team – with established partnerships.“

**Stefan Messer, Chairman of the Supervisory Board**  
**Bernd Eulitz, CEO**

# We make the most out of air.

For more than 120 years, the name Messer has been associated with expertise in industrial gases. Messer manufactures and supplies oxygen, nitrogen, argon, carbon dioxide, hydrogen, helium, shielding gases, specialty gases, medical gases and a wide variety of gas mixtures. We at Messer call our products "**Gases for Life**", because they are as important as water and electricity in the manufacture of everyday products from cars to braces. Air is the raw material from which we obtain a major share of our gases. At our air separation units worldwide, we separate air into its individual components every day and make more from them:

## **Gases for Life.**

This involves separating air into its three main gases – **nitrogen, oxygen** and **argon** – as well as the noble gases **xenon** and **krypton**, each of which we then process and store in liquid or gaseous form for subsequent use. And in addition to these gases obtained from air, we access others from natural or industrial sources: **carbon dioxide, hydrogen, helium** and **acetylene**.



# And we make even more.

**Gases for welding and cutting** Be it shielding gases for welding or highly developed welding gas mixtures, Messer offers the whole spectrum of gases for welding and cutting. Range of services:

- TIG, MIG and MAG welding
- Forming
- Laser cutting
- Gases for 3-D-print

**Specialty gases** The diversity of applications is mirrored by the breadth of Messer's specialty gases portfolio that has been tailored to them. Examples of applications:

- liquid helium is used for cooling superconducting magnets in MRI scanners
- analytical processes involve the use of high purity gases
- individual gas mixtures as calibration gases
- insulating glass panels are filled with krypton
- light bulbs with krypton-xenon mixtures

**Gases for medicine** In clinical treatment, medical gases are an important element of health care. The gas applications are manifold. Applications:

- anesthesia
- pain management
- diagnosis
- respiratory therapy
- surgery
- cryotherapy
- storage of biological materials

**Gases for the food industry** All the pure gases and gas mixtures that Messer produces for use in the food industry are marketed under the name Gourmet. Messer gases and gas processes are used in different areas:

- for cryogenic freezing
- in complete transport refrigeration systems
- in modified atmosphere packaging of food
- in system solutions that optimize mixing and kneading processes

**Clean hydrogen** Key to decarbonizing industrial processes, e.g. steel production or glass manufacture, and for zero-emission, fuel cell-powered electric buses (FCEBs) and forklift trucks.

# We always supply gas just the way you need it.

Not only are Messer customers supposed to get the precise gas that they need in exactly the quality required: they are also supposed to receive it with absolute reliability – in exactly the right quantity and at the right time. At Messer, this customized, on-schedule supply of gas is also safeguarded by a whole range of possibilities in terms of gas delivery:



## **Reliable for smaller jobs:**

Individual cylinders or cylinder bundles for small gas requirements. They are supplied via one of our local distributors or directly from the filling plant.



## **Effective for medium-sized jobs:**

The on site storage tank solution, for which gas is supplied by road tanker, and the smaller Dewar solution, which is supplied by Messer service vehicles.



## **Optimal for large jobs:**

Gas production at the customer site. This involves producing gases on site in air separation or membrane units or in hydrogen and synthesis gas production facilities.



## **Perfect for the biggest jobs of all:**

The pipeline system – that is a direct connection to an industrial area with many interconnected bulk consumers.

# The best way is your own way.

Messer is always in precisely those places where demand for industrial gases is strong and where it makes strategic sense. And that is exactly how Messer has become the largest family-run industrial gases specialist worldwide in the relevant markets. And with competence centers in Europe, Asia and the Americas which focus on new concepts and technologies:



## **Krefeld, Germany**

- Chemicals/environment
- Cold grinding/recycling
- Food/pharmaceuticals
- Welding and cutting

## **Gumpoldskirchen, Austria**

- High temperature processes

## **Budapest, Hungary**

- Welding and cutting

## **Nanjing, China**

- Food
- Industrial CO<sub>2</sub>-purification
- Welding and cutting

## **São Paulo, Brazil**

- Welding and cutting

## **Santiago de Chile, Chile**

- Welding and cutting

## **Brampton, Canada**

- Welding and cutting

## **Montreal, Canada**

- Welding and cutting

## **Cleveland, Ohio**

- All application technologies

## Locations

### **in Europe:**

Albania  
Austria  
Belgium  
Bosnia-Herzegovina  
Bulgaria  
Czech Republic  
Croatia  
Estonia  
France  
Germany  
Hungary  
Latvia  
Lithuania  
Montenegro  
Netherlands  
North Macedonia  
Poland  
Portugal  
Romania  
Serbia  
Slovakia  
Slovenia  
Spain  
Switzerland  
Ukraine

### **in Asia:**

China  
Malaysia  
Thailand  
Vietnam

### **in the Americas:**

Brazil  
Canada  
Chile  
Colombia  
United States

### **in Africa:**

Algeria

# We make the gases life can't do without.

**Metal-working industry** Messer supplies, for instance: shielding gases for welding and gas mixtures for material processing and finishing, thermal spraying, laser welding and laser cutting, as well as MAG welding of plain steels.

**Mobility** Messer supplies **Gases for Life** for airbags, air-conditioning systems and tires, for exhaust gas control and cleaning, as well as for fuel cell-powered electric buses (FCEBs) and industrial trucks.

**Glass and ceramics** Messer supplies the oxygen for the firing and manufacture of glass and ceramic products such as vases, glasses, bottles and tiles.

**Chemistry, rubber, plastics** Messer supplies the gases for the processing, finishing and recycling of plastics and for the rubber-producing industry.

**Construction industry** Messer supplies liquid nitrogen for instance, which is used to cool down fresh concrete and cement prior to use or to ensure reliable ground stability for drilling and boring operations.

**Medicine and pharmaceuticals** Messer supplies **Gases for Life** of the highest purity, as either drugs and medical products for a wide range of medical applications, or as process aids and inactive substances for applications in the pharmaceutical industry.

**Research** Messer supports research institutes, universities and numerous companies' development centers with high purity and laboratory gases, test gases, process gases and gas mixtures.

**Microtechnology** Messer supplies the gases that are used as filling or protective gases in tablet displays or processor circuit boards.

**Environmental technology** Messer technologies and gases are used at wastewater treatment plants, at recycling centers and for waste gas cleaning at large-scale industrial plants.

**Beverage industry** Messer supplies the carbon dioxide which puts the fizz into drinks such as lemonade or beer and extends their shelf life.

**Food Gases for Life** ensure that there is a protective atmosphere which keeps food naturally fresh in its packaging.



# Rising sales and rising staff numbers – they go hand in hand for us.

Messer has more than 11,000\* employees around the world and yet it has remained a genuine family company – with a special relationship with its staff. They are part of one big family at Messer and that is exactly how they should feel. They form the basis of the company's success and its future. Their experience, knowledge, motivation, ideas, skills, commitment and dedication are what make up the competence and strength of the company and the Messer brand.

Messer therefore puts a major emphasis on corporate culture, working atmosphere and staff motivation and development within the company.



## **Unique Employment Proposition:**

The courage to aim high.  
The freedom we need to achieve.  
That's Messer. That's our way.

\* incl. as of 01.03.2019 at equity consolidated Messer Industries GmbH



You can never do enough  
to keep the world afloat.



If you work with a substance that is essential for life and earn your money with it, then you have a special responsibility. This responsibility is multifaceted: for us it has a social component and an entrepreneurial /technical component. Because it extends from our employees to our customers and to the society we live in. That is why safety, environmental protection and quality as well as respect for values are established in the Messer's guidelines and are implemented accordingly.

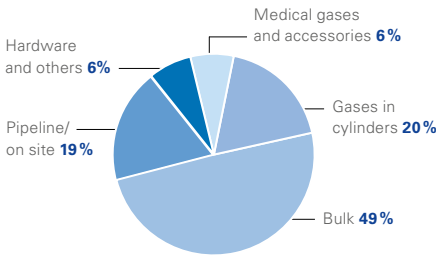
- Measures aimed at ensuring and improving safety at work within the company.
- Environmental protection measures and schemes from production to delivery of our **Gases for Life**.
- Continuous improvement in energy efficiency within the company.
- Measures and concepts that enable our customers to operate in an environmentally friendly, sustainable and cost-effective way.
- Involvement of individual Messer companies in different social projects.

# Anything but hot air: Messer facts and figures.

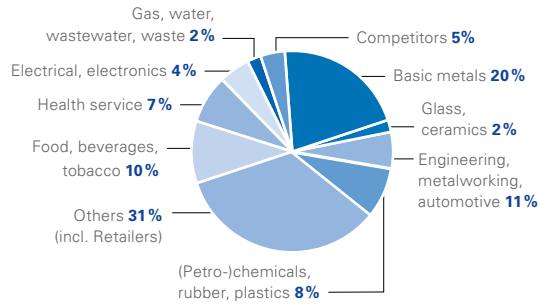
		Messer Group	Messer Industries	Total*
Sales	in million. EUR	1,574	2,590	4,164
EBITDA	in million. EUR	418	749	1,168
EBITDA margin	in percentage	27	29	28
Investments	in million. euro incl. IFRIC4	265	360	625
Employees	Contractual employment relationships in FTE**	5,349	5,910	11,259

\* Total of Messer Group and Messer Industries, which includes the at equity investment Messer Industries at 100 % from March 1, 2019 \*\* Full Time Equivalent

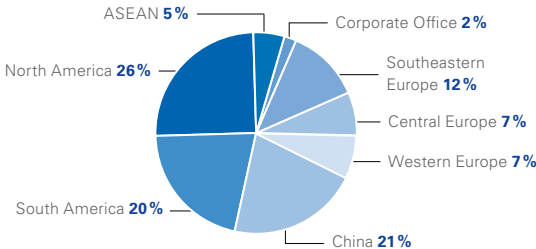
**Sales structure by segment\***



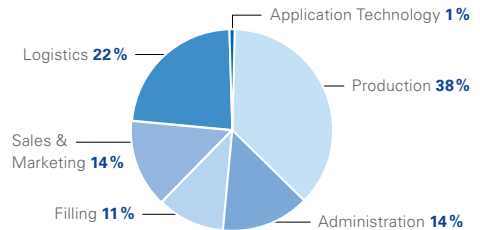
**Sales by industry\***



**Employees by regions\***



**Employees by activities\***



\* Messer Total is a purely mathematical sum of Messer Group and Messer Industries that includes 100% of the at-equity investment in Messer Industries.

# 1898 - 2023: 125 years of entrepreneurship



Adolf Messer

## The beginning and rapid growth

- 1898** Adolf Messer founds Frankfurter Acetylen-Gas-Gesellschaft Messer & Cie. in Höchst for the manufacture of acetylene generators and lighting appliances
- 1903** Ernst Wiss develops first hydrogen-oxygen cutting torch at Griesheim-Elektron. This is followed by equipment and machinery for oxyfuel welding and cutting
- 1908** Start-up of first oxygen plant by Chemische Fabrik Griesheim-Elektron



Hans Messer

## The entry into the industrial gases business with Hoechst

- 1965** Birth of Messer Griesheim GmbH under Hans Messer. Merger of Adolf Messer GmbH with parts of Knapsack-Griesheim AG belonging to Hoechst
- 1966** Expansion into Western Europe and North America
- 1990** Expansion into Eastern and Central Europe
- 1995** Entry into China and rapid expansion



Stefan Messer

## The way back to the family

- 2001** Goldman Sachs Funds and Allianz Capital Partners buy the Hoechst (Aventis) shares
- 2004** Founding of Messer Acquisition of all shares of the financial investors by the Messer family; financing through sale D/UK/USA. Continuation as Messer Group GmbH.
- 2005** The welding and cutting division is once again wholly owned by the Messer family
- 2008** Founding of Messer Industriegase GmbH in Germany
- 2019** Messer Group and CVC Capital Partners jointly acquire significant parts of Linde's US business, the Linde operations in Canada, Brazil and Colombia, and the Praxair operations in Chile.
- 2021** Change in legal form of Messer Group GmbH into Messer SE & Co. KGaA (partnership limited by shares)
- 2023** Bernd Eulitz takes over the role of CEO; Stefan Messer becomes Chairman of the Supervisory Board



Marcel Messer

# Typical Messer: Working with volatile substances and yet holding enduring values.

Messer is the largest family-run industrial gas specialist and present in the relevant markets in Europe, Asia and the Americas. We act sustainably to meet our customers' needs in accordance with our collective responsibility for people, progress and the environment.

## **Customer orientation**

We are focused on the individual requirements of our customers and help them to improve their competitiveness and their performance.

## **Employee orientation**

We train, develop and promote motivated and efficient employees with integrity. We expect our employees to be resourceful and responsible team players.

## **Responsible behavior**

We take our social responsibilities towards our employees and towards society very seriously:

- Safety
- Health
- Environment

## **Corporate responsibility**

By responsibly managing our resources and applying the talents of our employees we are increasing the worth of our company in the long term.

## **Excellence**

Our actions are based on technical expertise, innovation, flexibility and the ability to make quick decisions.

## **Mutual trust and respect**

We believe that cooperation is based on trust, sincerity, transparency and frank communication. We respect and abide by the culture and social customs of the countries in which we work.



## **Messer SE & Co. KGaA**

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