

GEA GROUP

Company overview

April 2024

GEA at a glance

Order intake



5,469

EUR million
Previous year: EUR 5,679 million

Revenue



5,373

EUR million
Previous year: EUR 5,165 million

EBITDA before restructuring expenses



774

EUR million
Previous year: EUR 712 million

EBITDA margin before restructuring expenses



14.4

percent of revenue
Previous year: 13.8 percent

Dividend proposal



1.00

EUR per share
Previous year: EUR 0.95

Employees



18,773

Full-time equivalents
Previous year: 18,236



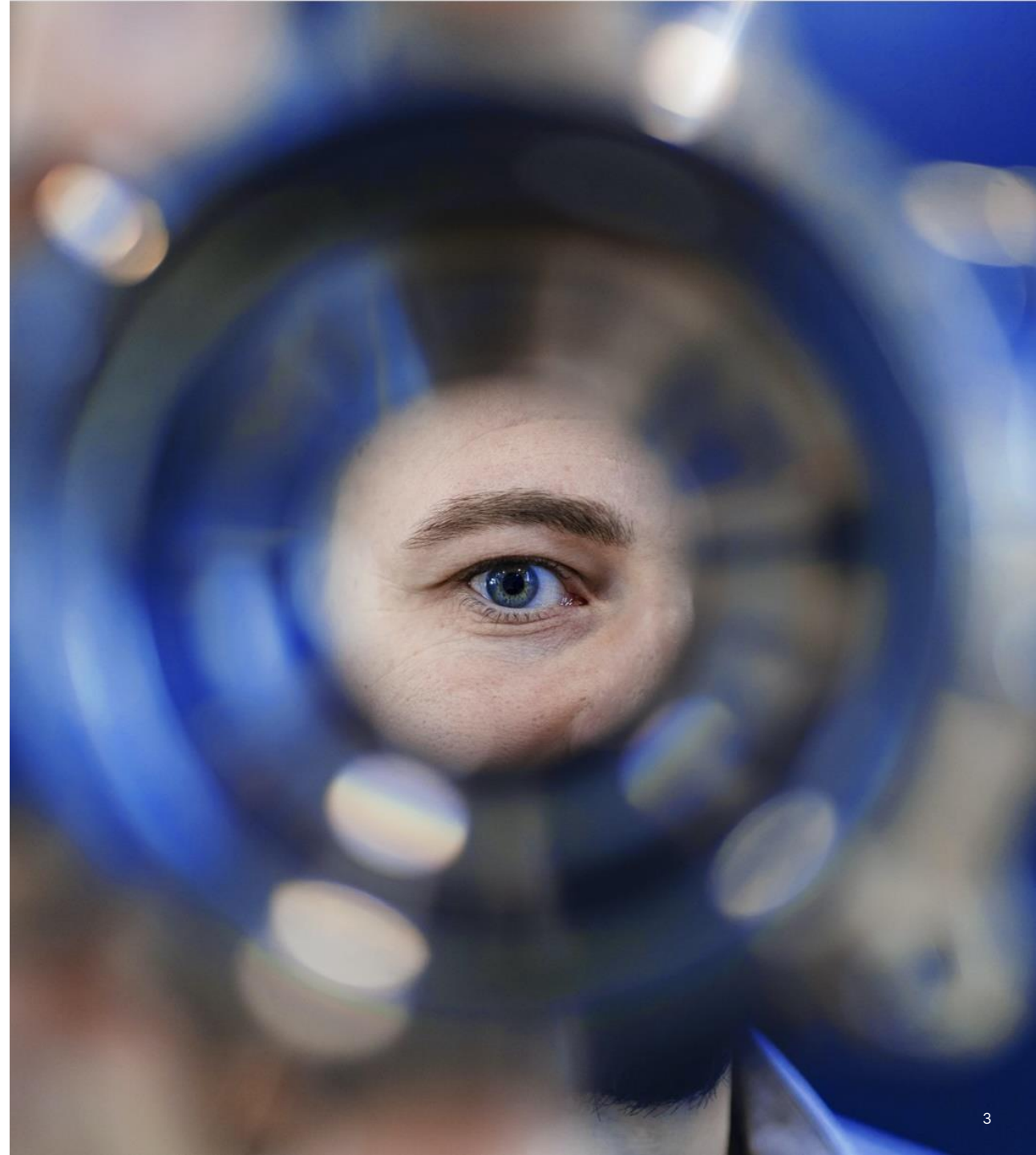
GEA is one of the world's largest suppliers of systems and components to the food, beverage and pharmaceutical industries. The international technology group, founded in 1881, focuses on machinery and plants, as well as advanced process technology, components and comprehensive services.

GEA is listed in the German MDAX, the European STOXX® Europe 600 Index and is one of the companies that make up the DAX 50 ESG, MSCI Global Sustainability as well as the Dow Jones Sustainability World and Dow Jones Sustainability Europe Indices.

All figures relate to the 2023 financial year or 2022 for the previous year

Our purpose

**Engineering
for a better
world.**



Our vision

We safeguard future generations by providing sustainable solutions for the nutrition and pharmaceutical industries.



Our strategy

MISSION
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Purpose

Engineering for a better world.

Vision

We safeguard future generations by providing sustainable solutions for the nutrition and pharmaceutical industries.

Profitable growth

Organic Sales CAGR¹

4-6%

EBITDA margin² **> 15%**

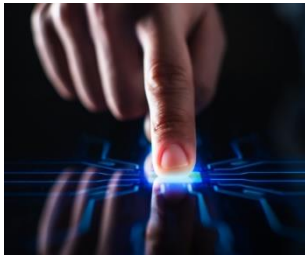
ROCE^{2,3} **> 30%**

Ambitious financial targets

Sustainability



Innovation & Digitalization



New Food



Sales Excellence



EXCELLENCE

Service Excellence



Operational Excellence



Acquisitions



¹ Currency and portfolio adjusted

² Before restructuring expenses; based on constant exchange rates

³ Capital employed excluding EUR ~800m goodwill from the acquisition of the former GEA AG by former Metallgesellschaft AG in 1999 (average of the last 4 quarters)

Our sustainability approach

Engineering for a better world

NET ZERO by 2040

Sustainable Solutions

- Reduce greenhouse gas emissions scope 3 by 27.5% by 2030
- 100% of solutions will be offered with zero freshwater-use by 2030
- 100% of packaging-related solutions use sustainable packaging materials by 2030
- 100% of service parts and machinery packaging material to fulfill one of the five R's of circular economy (Reduce; Re-use; Repair; Remanufacture; Recycle) by 2026



Responsible Operations

- Reduce greenhouse gas emissions scope 1 & 2 by 60% by 2026 and 80% by 2030
- 50% of total energy demand is covered by certified energy management system by 2026
- All sites in water-stressed areas that implemented a water strategy by 2026
- Waste recovery rate at production sites >98% by 2026
- 100% of preferred suppliers fulfill GEA's sustainability criteria by 2026 and 100% of A-suppliers by 2030
- 100,000 people reached through skill-based volunteering in 2026
- Donation of 1% of net profit per year



Employer of Choice

- 80% favorable rating on the question: "Would you recommend GEA as a good place to work?" in internal employee engagement survey by 2026
- 21% female representation in management levels L1 – L3 by 2026
- 80% of open positions filled by own talent across management levels L1 – L7 by 2026
- Building a diverse talent pool to further strengthen diversity on all management levels by 2026



Key trends

Important global megatrends are propelling our technologies & underlying markets

Food safety & quality

Demand for New Food

Growing middle class

Essential & affordable medicines

Growing world population

Sustainable solutions

Urbanization



Our applications put consumers in touch with GEA every day



Food

Approx. every third chicken nugget is produced using GEA technology



Food

Approx. every third process line for instant coffee was installed by GEA



Dairy farming & processing

Roughly one quarter of processed milk comes from GEA production systems



Beverage

Approx. every second liter of beer is brewed with the aid of systems and process solutions from GEA



Pharma & healthcare

Roughly every fourth liter of human blood for making plasma-derived products is processed using GEA equipment



Chemical

More than one third of all polymer producers are using GEA drying technology



Environment

Approx. two million tons of pollutants are averted annually thanks to GEA emission control plants



Heating & refrigeration

Each industry we serve utilizes industrial heating and refrigeration technology from GEA



Marine

Roughly every second container ship in the world sails with GEA marine equipment on board



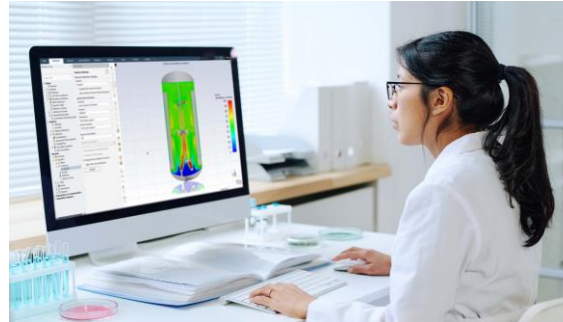
Innovative solutions



GEA Smart Filtration

reduces energy & water consumption up to 50% during membrane filtration cleaning

- Ideal for use in food & dairy industries
- Smart Filtration Flush: Sensors measure permeate quality of water during flushing, CIP process ended when hygiene requirements met; reduces freshwater usage, wastewater generation & energy consumption
- Smart Filtration CIP: Pulsating pumps eliminate need for continuous running of rinsing pumps, saving energy without sacrificing cleaning quality



Developing bioreactors with digital twin

to scale new food processes

- Increasing yields from bioreactor processes is complex, given sensitivity of cell cultures. And scaling up requires predictable outcomes
- Using digital twins to validate bioreactors ensures optimal growth conditions, key to scaling up new food processes
- Benefits include: shorter development time for recipes & plant scaling; reduced risk of lower product quality



GEA OptiPartner

for better spray dryer performance in powder systems

- Digital solution for advanced process control to continuously optimize productivity & efficiency of spray drying plants (e.g., milk, instant coffee)
- In milk processing, results show higher system availability (98%), increased production rate (ca. 4%) & energy savings (more than 4%)
- Reduces system downtime; delivers resource & energy savings; no capital investment (offered as a service)

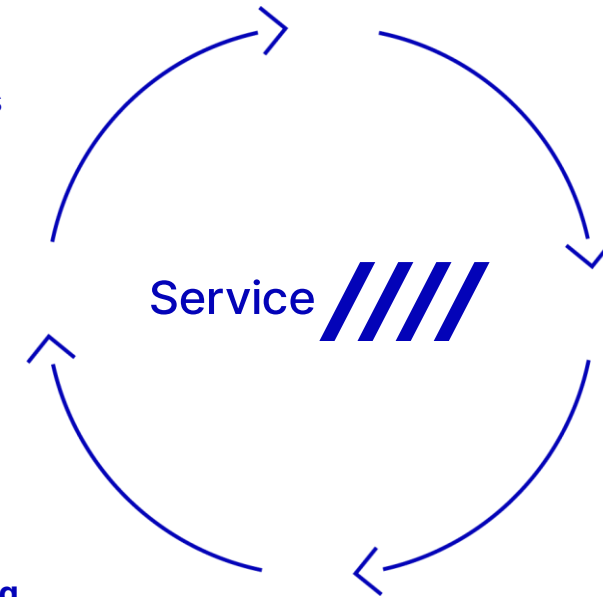
GEA Service

We serve the entire life cycle to enable continuous touchpoints with our customers.



Together with you
Consulting and
Enhanced Operations

Getting you started
Beginning of Life
Services

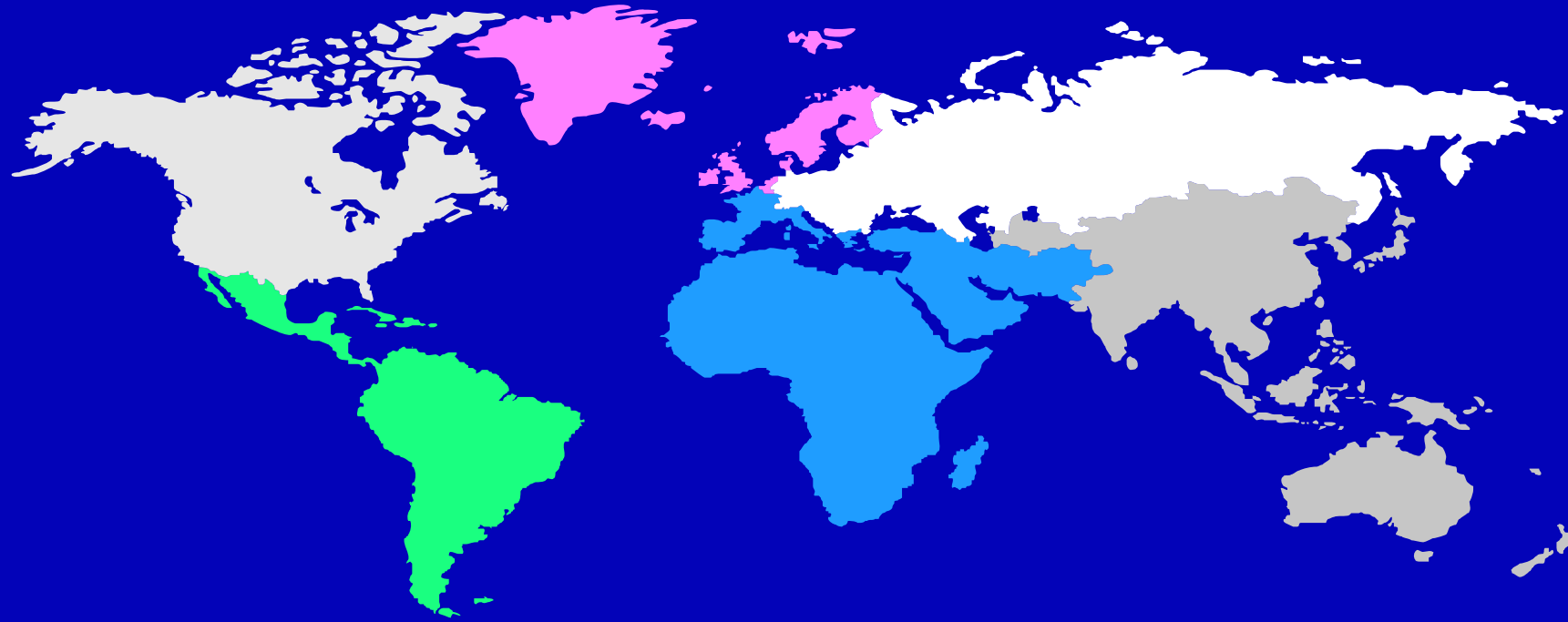


Constantly improving
Extended Life Services

Keeping it running
Lifetime Services

We ensure our customers' **continued business success** by building, maintaining, optimizing and adapting their production equipment and processes to meet their specific ongoing needs.

Strong local presence around the globe



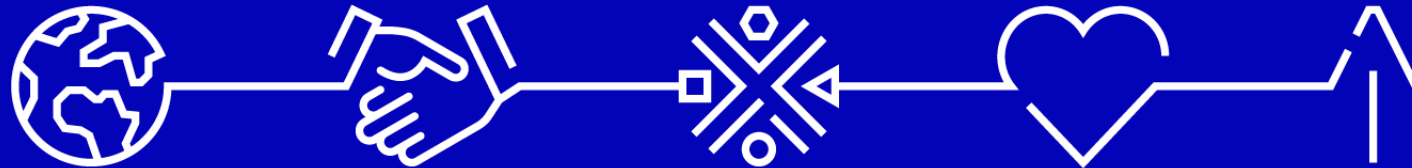
🏠 = Revenue
👤 = Employees (FTEs)

North America	Latin America	Western Europe, Middle East & Africa	North & Central Europe	DACH & Eastern Europe	Asia Pacific
🏠 1,161 EUR million 👤 1,776	🏠 382 EUR million 👤 725	🏠 831 EUR million 👤 2,653	🏠 782 EUR million 👤 3,310	🏠 1,019 EUR million 👤 7,258	🏠 1,198 EUR million 👤 3,051

All figures are from fiscal year 2023

Our values

At GEA, our company values begin with our own people. We hold ourselves to a high standard in how we treat one another, our customers and partners and our world.



Responsibility

We care for people and planet.

Integrity

We walk our talk.

Diversity

We value our differences.

Passion

We love what we do.

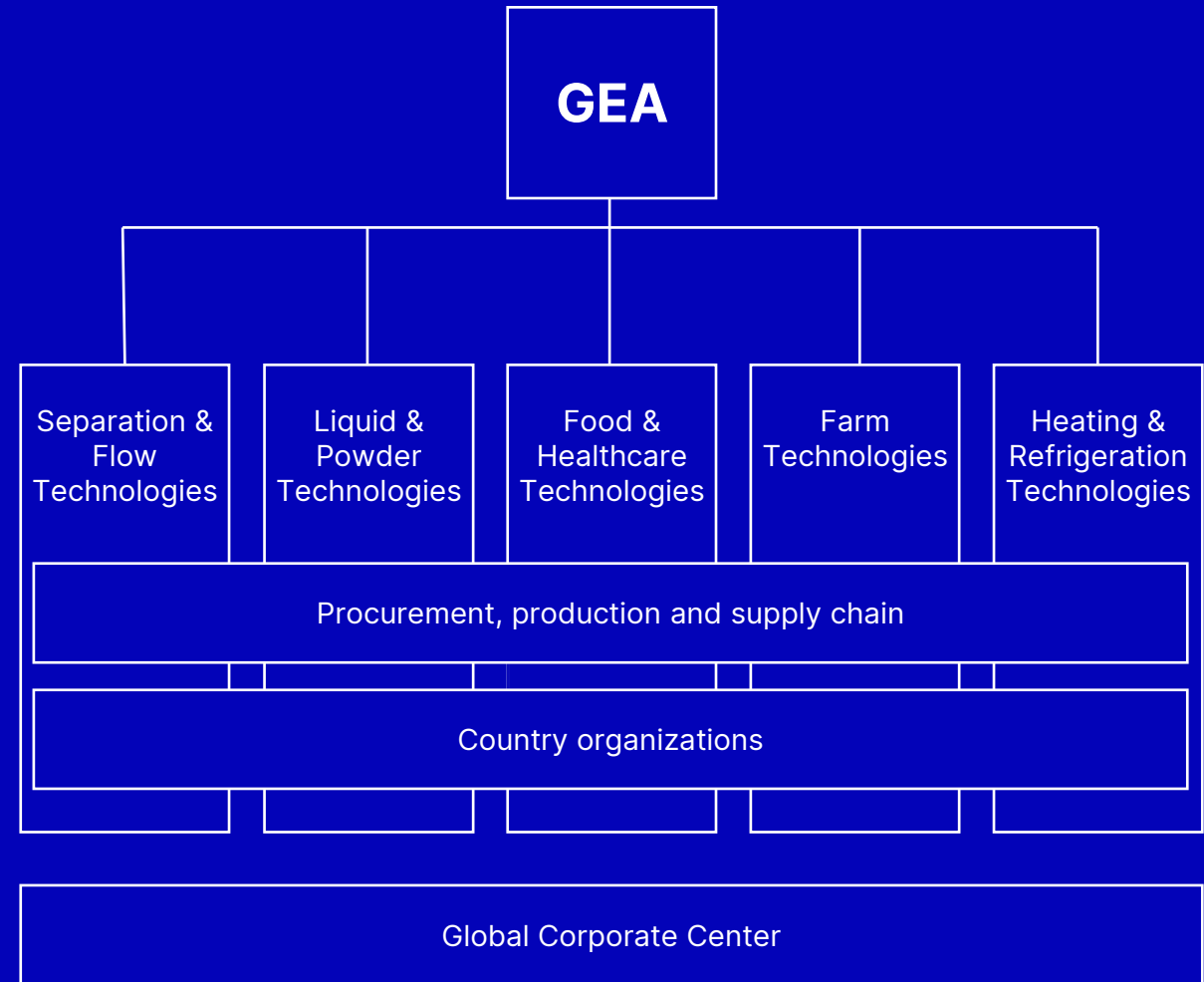
Excellence

We deliver outstanding work.

Our organization

GEA is divided into **five divisions**, each with up to six business units. The units are based on comparable technologies and have leading market positions.

The **country organizations** stand ready to serve their respective customers as a central point of contact, offering them local access to an extensive portfolio of products and services.



GEA Executive Board



Bernd Brinker, CFO

Bernd Brinker joined the Executive Board as CFO in October 2023. In addition to the Group's finance functions, the five division CFOs, as well as Investor Relations, M&A, Information Security, Internal Audit and global IT also report to him.



Stefan Klebert, CEO

Stefan Klebert took the helm of the Group in February 2019 and is the direct reporting line for the CEOs of the five operating divisions and the four CEOs of the regions. Several central functions also report to Stefan Klebert, and he serves as the Group Labor Relations Director.



Johannes Giloth, COO

Johannes Giloth became a member of the Executive Board in early 2020. He is responsible for worldwide procurement, production as well as supply chain and QHSE.

Company milestones



1881

Founding of Metallgesellschaft AG, a metals trading company

1920

Founding of GEA (Gesellschaft für Entstaubungs-Anlagen mbH) in Bochum

1999

Metallgesellschaft acquires GEA



2007-2019

Intensified focus on food & beverage acquisitions

2005

Name of parent company changed to GEA Group Aktiengesellschaft

Implementation of new technology-based group structure embracing 5 divisions

2020

Net-zero target for 2040 set; release of Mission 26 corporate strategy

2021 *MISSION* **26** 



Share information

Securities identification number 660200

ISIN number DE0006602006

Stock indices MDax, DAX 50 ESG, HDax, CDax, Midcap Market, Dow Jones Euro Stoxx, Euro Stoxx TMI Industrial Engineering, Dow Jones Euro Stoxx Mid, Dow Jones Euro Stoxx Industrial Goods and Services, Dow Jones Stoxx 600, Dow Jones Industrial Goods and Services, Dow Jones Stoxx Mid 200, Prime All Share, Prime Industrial, Classic All Share, NRW-Mix 50, MSCI World ESG, MSCI ACWI ESG

Segment Prime-Standard

Stock exchanges Xetra, Frankfurt, Stuttgart, Munich, Düsseldorf, Berlin, Hamburg, Hannover

Information on stock Reuters: G1AG.DE; Bloomberg: G1A:GR; Xetra: G1A.DE

Shares issued 172.3 million (March 28, 2024)

Market capitalization 6.8 billion (March 28, 2024)

GEA share price development since 2022



OUR DIVISIONS



Separation & Flow Technologies Division

World-class components and equipment for production excellence

Separators . Homogenizers . Valves & Pumps

Separation & Flow Technologies encompass process engineering components and machines, including separators, decanters, homogenizers, valves and pumps. These technologies are at the heart of many production processes.

Our solutions contribute to a cleaner environment in numerous industrial applications. They also ensure the efficient separation and homogenization of liquids used in the production of foods, beverages, medicines and home & personal care products that consumers enjoy and rely on. GEA pumps and valves guarantee that raw materials and products move safely and efficiently through plants.

Revenue

1,511

EUR million
Previous year: EUR 1,416 million

EBITDA before restructuring expenses

396

EUR million
Previous year: EUR 360 million

EBITDA margin before restructuring expenses

26.2

percent
Previous year: 25.4 percent

Employees

5,072

Full-time equivalents
Previous year: 4,907

All figures relate to the 2023 financial year or 2022 for the previous year

Separation & Flow Technologies Division



Separators

GEA separators and decanters are used in thousands of applications by nearly every industry. This includes dairy processing, food & beverage, marine, oil & gas, power, chemical, pharma, farming and in water and wastewater management.



Homogenizers

With our high-pressure homogenizers, manufacturers can reduce particles to micro-millimeter or nanometer size and distribute them evenly, which enables high product stability and a long shelf life. These properties are key to many of today's health and personal care products and contribute to the quality of diverse processed foods and beverages.



Valves & Pumps

To ensure smooth production processes in the treatment of liquid products, GEA offers a comprehensive range of valves for all hygienic classes, as well as hygienic pumps and cleaning technology. Their individual modular design guarantees efficiency, safety and reliability.



Liquid & Powder Technologies Division

Specialists in processing equipment and integrated solutions

Liquid & Filling Technologies . Powder & Thermal Separation Technologies . New Food

Liquid & Powder Technologies provide processing equipment and integrated solutions for the dairy, food, new food, beverage, chemical and home & personal care industries. The portfolio includes brewing systems, liquid processing, aseptic and non-aseptic filling & packaging, concentration, fermentation, crystallization, purification, drying, powder handling & packaging as well as systems for carbon capture and emission control.

GEA designs, builds, configures and installs versatile and sustainable equipment and technologies, processing lines and complete plants.

Revenue

1,724

EUR million
Previous year: EUR 1,716 million

EBITDA before restructuring expenses

178

EUR million
Previous year: EUR 166 million

EBITDA margin before restructuring expenses

10.3

percent
Previous year: 9.7 percent

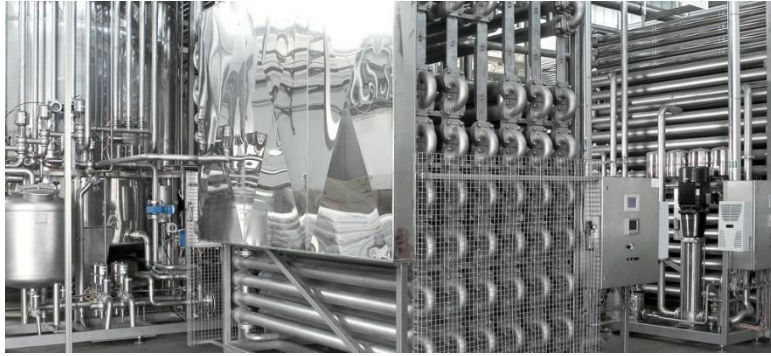
Employees

5,607

Full-time equivalents
Previous year: 5,404

All figures relate to the 2023 financial year or 2022 for the previous year

Liquid & Powder Technologies Division



Liquid & Fermentation Technologies

GEA liquid and fermentation technologies are used for a variety of dairy, food, beverage, biotech and new food applications. We provide processing solutions and plants offering the highest degree of hygiene and production safety. These cover key technologies such as mixing, membrane filtration, fermentation, aseptic systems, brewhouse, cold block and beverage processing.

Our solutions help startups, ingredient suppliers and food manufacturers develop, scale up and produce alternative protein foods and ingredients through traditional processing, precision fermentation and cell culture technologies. These new food products include plant-based foods, ingredients and beverages, insect proteins, cultivated meat and seafood, as well as other proteins and ingredients produced through precision fermentation.



Powder & Thermal Separation Technologies

Our process solutions for thermal separation, crystallization, drying and powder handling & packing as well as aseptic and non-aseptic filling technologies are used in a wide range of dairy, new food, food, beverage and chemical applications. This includes nutritional formula, food ingredients, instant coffee, polymers, minerals, agrochemicals and fine & specialty chemicals. Our solutions for carbon capture, waste heat recovery and emissions treatment are often in demand and effectively deal with the challenges of industrial air pollution.



Food & Healthcare Technologies Division

Safe foods and medicines for a growing population

Pasta, Extrusion & Milling . Bakery . Food Application Solutions . Pharma & Healthcare

Food & Healthcare Technologies provide solutions for food processing. This covers preparation, marinating and further processing of meat, poultry, seafood and vegan products, in addition to processing lines for pasta, baked goods, snacks, breakfast cereals, confectionery and pet food. GEA also offers spiral- and tunnel freezers, as well as equipment for slicing and packaging of food.

GEA solutions for the pharmaceutical industry include machines and plants for processing solid dosage forms, including highly potent drugs for batch or continuous production. This portfolio also includes freeze-drying technology for liquids, such as vaccines.

Revenue

1,029

EUR million
Previous year: EUR 1,001 million

EBITDA before restructuring expenses

78

EUR million
Previous year: EUR 107 million

EBITDA margin before restructuring expenses

7.6

percent
Previous year: 10.7 percent

Employees

3,508

Full-time equivalents
Previous year: 3,571

Food & Healthcare Technologies Division



Pasta & Extrusion

Our solutions include fully automated processing lines for dry and fresh pasta, extruded snacks, breakfast cereals and dry petfood. GEA also produces dies and packaging systems. As a result of extensive research and testing in the field of extrusion, we have developed cutting-edge solutions for the industrial production of innovative food products, with a particular focus on consumer health and sustainability.



Bakery

GEA bakery capabilities range from single equipment components to integrated production lines for cakes, pies, tarts, biscuits, cookies, crackers, layer cakes, pizzas and snacks. Energy-efficient tunnel ovens, depositors, dough forming systems and filling injectors make up this portfolio..

Food & Healthcare Technologies Division



Food Application Solutions

Our portfolio encompasses technology for secondary and further processing, slicing, freezing and packaging, including single machines and complete automated lines. We offer solutions for defrosting, cutting & grinding, mixing, forming, marinating, coating, cooking, steaming, in-line smoking and frying, including spiral, tunnel and carton freezers. Our slicing & packaging portfolio includes slicing and loading systems, vertical packaging equipment and thermoforming systems. We deliver industry leading solutions for key applications in poultry, meat, seafood, vegetarian and vegan products, including plant-based and other alternative protein foods. Through innovation we continuously strive to deliver solutions contributing to sustainability, resource-efficiency, high productivity, exceptional food quality and minimum waste.



Pharma & Healthcare

We offer sustainable engineering solutions, along with a comprehensive suite of virtual reality project management tools to customers in the life science community. Our robust, flexible and cost-effective pharmaceutical manufacturing equipment and fully integrated process lines embrace digitalization, modularization and holistic product innovation, maximizing operational reliability and productivity.



Farm Technologies Division

Next generation farming

Dairy Farming: Milking, Feeding, Manure, Digital Herd Management, Hygiene & Service

Farm Technologies offer integrated customer solutions for efficient and sustainable high-quality milk production and livestock farming. This includes automatic milking and feeding systems, conventional milking solutions and digital herd management. GEA manure management solutions ensure operators have the right tools for the safe storage, application and upcycling of this important resource.

All solutions are served and fully embedded into our service lifecycle. They are complemented by a wide range of hygiene products and chemicals to promote optimum udder health and superior milk quality.

Revenue

784

EUR million
Previous year: EUR 742 million

EBITDA before restructuring expenses

110

EUR million
Previous year: EUR 86 million

EBITDA margin before restructuring expenses

14.0

percent
Previous year: 11.6 percent

Employees

2,045

Full-time equivalents
Previous year: 1,909

All figures relate to the 2023 financial year or 2022 for the previous year

Farm Technologies Division



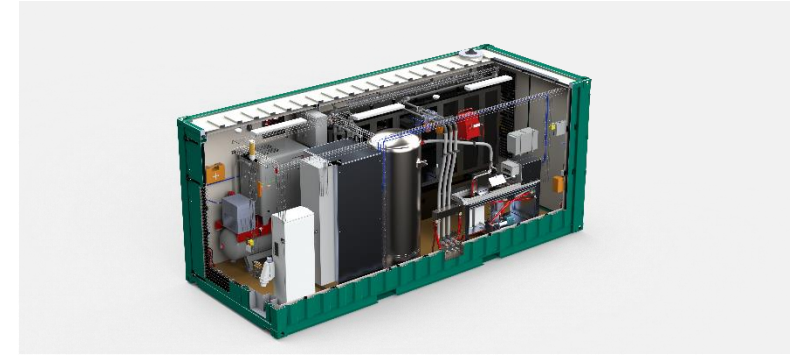
Milking

GEA offers a broad range of automated milking solutions, from single- and multi-box to fully automated rotary parlor systems as well as conventional rotary and group milking parlors. With its innovative sensor technology and software, GEA raises the bar in milking production while increasing animal-welfare, farmer flexibility and the sustainable use of resources.



Feeding

Efficient feeding is key to achieving good milk performance in dairy herds. GEA offers the latest, all-electric robotic feeding technology to ensure cows get the right mix at the right time, improving efficiency and freshness. This enables farmers more flexibility in their daily routines as well as precise control over their feeding strategy.



Manure

GEA is a global leader in manure management, providing a comprehensive line of equipment to effectively handle manure inside and outside the barn. Our portfolio includes barn cleaning, electric and power take-off pumps and agitators, loading equipment, liquid manure spreaders, manure application devices and separators. Our innovative manure processing technology enables customers to produce their own sustainable fertilizer while bringing down emissions.

Farm Technologies Division



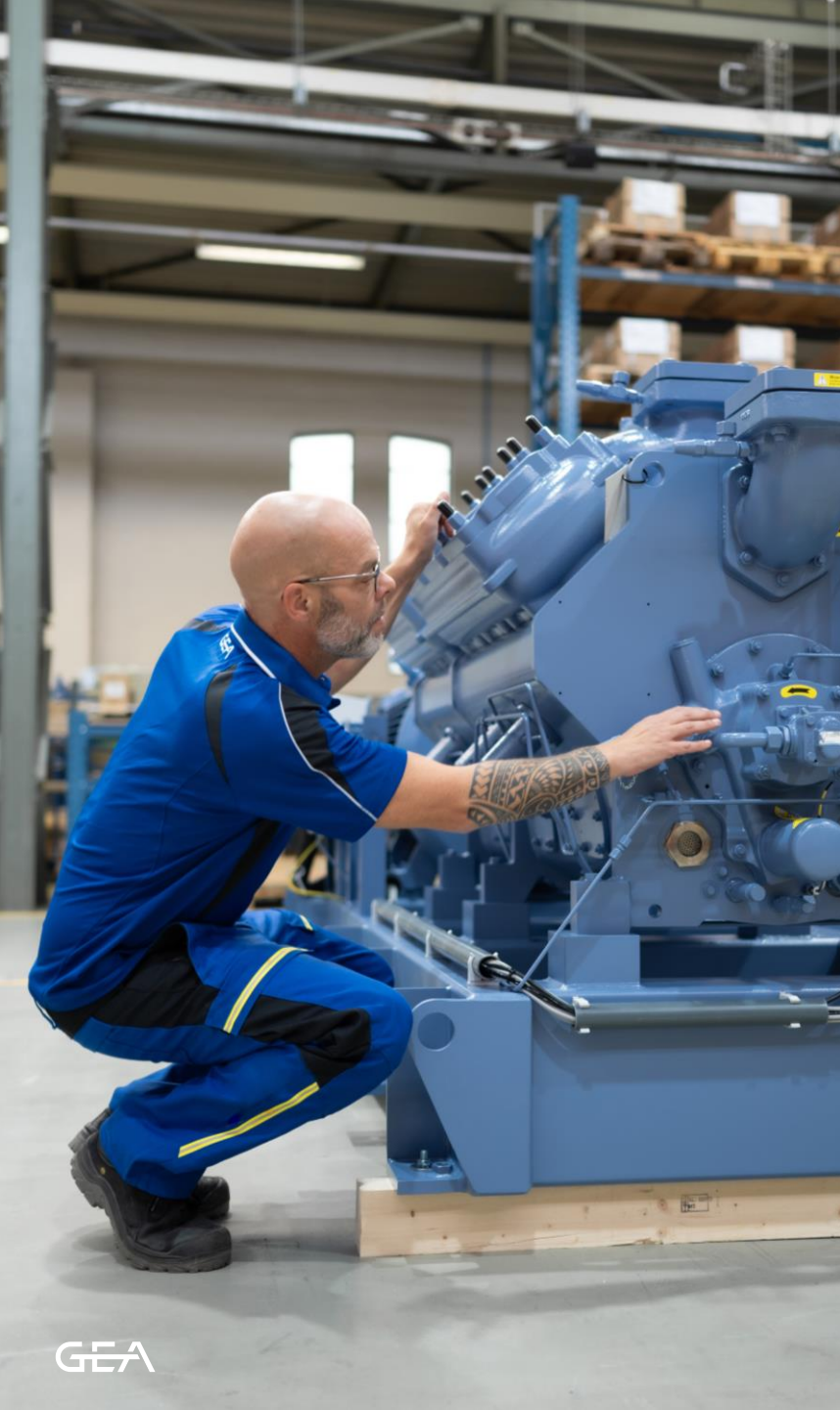
Digital Herd Management

Simple to use, with consistently updated functions: GEA herd and farm management with digital technology offers powerful functions for monitoring and managing cow health and operational procedures efficiently. Dairy farmers can access data through their own digital devices – anytime and anywhere.



Hygiene & Service

With a strong, global dealer network and certified service partners, GEA provides comprehensive service support for milking parlors of all sizes, from installation and throughout the entire life cycle. Our servicing programs ensure animal welfare and that milking operations are sustainable, efficient and productive.



Heating & Refrigeration Technologies Division

Industrial heating and cooling solutions for climate-friendly production processes

Compressors & Compressor Packages . Heat Pumps . Chillers . Controls . Valves . Turnkey Installations . Digital Solutions

Heating & Refrigeration Technologies combine extensive production process knowledge and integrated heating and cooling expertise. It provides sustainable, energy-saving solutions for customers in the food, beverage and other key industries. All offerings are supported by comprehensive digital and service platforms.

GEA plays an important role in the decarbonization of production processes, cities and other market activities. Via a sustainable engineering solutions platform, which includes a comprehensive portfolio of heat pumps, GEA delivers the precise temperatures critical to each customer's operation. These proven technologies provide integrated, high-efficiency solutions that significantly reduce CO₂ emissions and energy costs.

Revenue

556

EUR million
Previous year: EUR 524 million

EBITDA before restructuring expenses

66

EUR million
Previous year: EUR 57 million

EBITDA margin before restructuring expenses

11.9

percent
Previous year: 10.9 percent

Employees

1,757

Full-time equivalents
Previous year: 1,716

All figures relate to the 2023 financial year or 2022 for the previous year

Heating & Refrigeration Technologies Division



Compression Technologies

Our robust component portfolio for industrial heating and cooling encompasses a full range of reciprocating and screw compressors, compressor packages, heat pumps, chillers, custom systems, controls, digital products, valves, spare parts and service support.



Heating & Refrigeration Solutions

With decades of experience in complete plant installations, we help customers identify optimum heating and cooling solutions to meet their present and future operational and sustainability-related goals. We achieve this by designing and implementing customized approaches, which includes integrating advanced digital technologies based on holistic plant assessments of existing and planned processes. As a result, customers significantly reduce their energy costs and carbon footprint. Our comprehensive service program maximizes the performance and lifetime of installed equipment.

GEA Engineering
for a better
world.

GEA.com