GEA Group – a strong company

FY 2022

Employees: 18,236 full-time equivalents

Revenue: 5,165 EUR million

EBITDA before restructuring expenses: 712 EUR million

Percentage of revenue: 13.8%

Order intake: 5,679 EUR million
Five divisions...

Separation & Flow Technologies

Liquid & Powder Technologies

Food & Healthcare Technologies

Farm Technologies

Heating & Refrigeration Technologies

... operating in attractive markets

Food

Beverage

Pharma

>75% of revenue
We have a clear plan for the future

Purpose
Engineering for a better world.

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

Ambitious financial targets
- organic sales CAGR\(^1\) 4–6%
- EBITDA margin\(^2\) > 15%
- ROCE\(^2,3\) > 30%

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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)
Sustainability: Crucial for GEA’s transformation

Holistic understanding (ESG)

Various technologies and products

Ambitious targets → e.g. climate

2040: GEA Net zero (scopes 1, 2 & 3)

SBTi-validated

2030: Significant reductions → scopes 1 & 2: -60% → scope 3: -18%

Since 2021: Carbon-neutral operations (scopes 1 & 2)¹

¹ Due to offsetting through certified climate protection projects
Focus on seven areas of action

Scope 1 & 2

Power
100% green power/biogas
Since 2022 100% green electricity

Scope 3

Products
Reduction of emissions from GEA products

Awareness
Employee awareness program

Logistics
Reduction of emissions in logistics

Procurement
Reduction of emissions in the supply chain

Efficiency
Changeover to LEDs
Energy management
Implementation of energy efficiency measures identified
Decarbonization by modernizing the building stock

Mobility
Switch to fully electric vehicles & alternative mobility

GEA’s path to net-zero

ESG Roadshow Presentation
Our pathway to ESG leadership

Engineering for a better world.

NET ZERO by 2040

Sustainable Solutions
- Reduce greenhouse gas emissions scope 3 by 18% 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 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
- >95% of waste recovery rate at production sites by 2026
- 100% of preferred suppliers fulfill GEA’s sustainability criteria by 2026
- 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
Our top management fully committed to ESG targets

Since 2019 employee satisfaction is a modifying criteria in the annual bonus (STI) of the Executive Board.

Since 2022, scope 1 and 2 greenhouse gas emission reduction are part of the long-term variable remuneration component (LTI) of our Executive Board.

In 2023, GEA included the reduction of Scope 3 emissions in the variable remuneration of the Global Executive Committee, underlining our commitment to our Net Zero target by 2040.
SUSTAINABLE SOLUTIONS
Add Better ecolabel for resource-efficient products

Promotes GEA solutions that are significantly more resource-efficient than their predecessors

Savings of the following resources: Energy, water, waste

According to ISO 14021

Validated by TÜV Rheinland
The growing Add Better portfolio

- Aseptic blower: 31% less energy consumption
- Membrane filtration cleaning: 46% less energy consumption
- Homogenization valve: 20% less energy consumption
- Spray dryer: 49% less energy consumption
- Tunnel oven: 14% less energy consumption
- Marine separator: 9% less energy consumption
- Aseptic filler: Less water consumption 91% for new machinery, 83% for service upgrade
- Dairy robot: 19% less energy consumption
- Centrifuge cooling: 100% less water consumption

Water consumption
Energy consumption
World’s first carbon-neutral juice factory

Groundbreaking sustainability concept

Energy & water consumption minimized

Waste streams & product losses greatly reduced

Example: Sustainable Engineering Solutions (SEnS) for innocent
Example: Decarbonization of Heineken’s Manchester brewery

- Installation of heat pumps and a heat pump network
- Capture and reuse heat to brew and package beer
- Replace steam boilers powered by natural gas
- 45% decrease in gas use
Example: Our new AddCool solution for spray dryers

- Use of heat pump reduces need for fossil fuels
- Cuts spray dryer CO₂ emissions by up to 50%
- Allows energy savings of up to 50%
- Can be easily retrofitted to existing production lines
Example:
Carbon Capture: CO$_2$ separation from flue gases

Combining state-of-the-art amine solvents with our scrubbing technologies to support decarbonization in heavy emitting industries (e.g. cement)

Captured CO$_2$ can be stored (CCS) or used (CCU) for industrial processes
Example:
Manure Enricher – Sustainable Farming

- Using pulsing instead of continuous high pressure flow during cleaning process
- Sensor-based smart flush ensures flushing is not longer and higher in volume than needed
- Reduces up to 50% energy and water consumption for cleaning process

Example:
Manure Enricher – Sustainable Farming

- Reduces 95% of ammonia and 99% of methane emissions from manure storage & spreading
- Enables local production of nitrogen enriched fertilizer that can increase crop yield by up to 40%
Example: Technology for New Food – feeding more people with fewer resources

Full-range technology provider

Targeting >EUR 400m in order intake by 2026

Enabling the transformation of applied science into large-scale industrial applications
Example:
Zero water dairy processing plant for Amul

Use extracted water for cleaning & chilling

Minimizes if not eliminates use of fresh water

420m liters of water saved annually
Example:
Water Saving Unit for Naarmann dairy

Cooling water for several parts of the separator is collected instead of wasted, cooled and returned to the system.

Saves 300 liters of water per operating hour or more than 1 million liters per year.
Example:
Smart cleaning solutions for membrane filtration process

Using pulsing instead of continuous high pressure flow during cleaning process

Sensor-based smart flush ensures flushing is not longer and higher in volume than needed

Reduces up to 50% energy and water consumption for cleaning process
RESPONSIBLE OPERATIONS
Supplier Summit September 2022
Introducing our sustainability criteria for preferred suppliers

- Suppliers must accept our Code of Conduct for Suppliers and Subcontractors.
- Suppliers must undergo a sustainability assessment performed by EcoVadis each year and to share the results with us.
- Suppliers must set a science-based target for reducing greenhouse gas emissions for 2030 (mid-term target)
- Suppliers must provide us with their greenhouse gas emissions data enabling us to perform lifecycle analyses
Example: GEA Factory of the Future in Koszalin, Poland

Carbon-neutral production
Energy through PV & CHP plant
Optimal efficiency & flexibility
Resource efficient operations
Community Engagement

Donation:

▪ Donate one percent of the company’s net profit each year

Skill-based volunteering:

▪ Share industry und function-specific knowledge with 100,000 people via voluntary work by 2026

Starting 2023 all GEA employees will be able to use one paid day for voluntary work each year

Largest donations made in FY 2022:

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viva con Agua</td>
<td>EUR 250,000</td>
</tr>
<tr>
<td>BILD hilft e.V. „ein Herz für Kinder“</td>
<td>EUR 250,000</td>
</tr>
<tr>
<td>German Red Cross</td>
<td>EUR 125,000</td>
</tr>
</tbody>
</table>

1 GEA doubled the amount donated by employees
Occupational safety
We ensure safe and healthy working conditions

Lost time injuries\(^1\)

<table>
<thead>
<tr>
<th>Year</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>230</td>
<td>221</td>
<td>206</td>
<td>197</td>
</tr>
</tbody>
</table>

Lost time injury frequency rate\(^2\)

<table>
<thead>
<tr>
<th>Year</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>5.63</td>
<td>5.44</td>
<td>5.17</td>
<td>4.98</td>
</tr>
</tbody>
</table>

1 The number of work-related injuries with ≥ 1 day of lost time
2 The number of lost time injuries x 1,000,000 divided by the number of working hours in reporting period
EMPLOYER OF CHOICE
Employee engagement survey
How our employees are evaluating GEA

<table>
<thead>
<tr>
<th>Year</th>
<th>Participation rate in % of total FTE</th>
<th>Would you recommend GEA as a good place to work in % of respondents</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>81</td>
<td>75</td>
</tr>
<tr>
<td>2022</td>
<td>82</td>
<td>78</td>
</tr>
<tr>
<td>2026</td>
<td>&gt;80</td>
<td>80</td>
</tr>
</tbody>
</table>

Mission 26 target
Diversity and inclusion concept

104 nations working at GEA

- >18,000 employees in 55 countries
- Cultural Coffee

Production with disabled people

- Cooperation with organizations that offer disabled people employment
- Trainee project enabling people with disabilities and GEA apprentices to learn from each other

Fostering female managers

- 21% female representation in management levels L1 – L3 by 2026 (2022: 19%)
- Lean In
- Female mentorship program
- Signatory to UN Women’s Empowerment Principles

Building a diverse talent pool

- 80% of open positions filled by own talent across management levels L1 – L7 by 2026 (2022: 59%)
- Perform & Grow
- High Potential Pools & Talent Pipeline
Recent ESG Highlights

Achievements

Following the December 2022 annual index review, GEA became a constituent of the Dow Jones Sustainability Europe Index.

In November 2022, GEA received an ESG Risk Rating of 18.3 and was assessed by Sustainalytics to be at Low Risk of experiencing material financial impacts from ESG factors.²

In January 2023, GEA was upgraded from ‘AA’ to ‘AAA’ in the MSCI ESG Ratings Assessment.¹

GEA holds two CDP leadership rankings: an ‘A’ for tackling climate change and an ‘A-’ for acting to protect water security.

In 2022, GEA was recognized by Sustainalytics as an ESG Industry Top Rated company.

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In September 2022, GEAs ‘Prime Status’ (leadership in its industry index group) was confirmed.

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As engineers we can contribute to a better world

- Passion for problem-solving
- Uncompromising optimization culture
- Innovative technologies

We push the boundaries of what is doable
Engineering for a better world.

GEA.com