Origin of great beers.™

Perfect interplay in brewing technology.
Origin of great beers.™

Instruments for extraordinary compositions.
GEA Brewery Systems provides brewery technology from a single source. We have a great responsibility – for our customers and their products, our employees and the environment. Therefore, we are focusing on future-oriented thinking and acting today.

Sustainability is the main theme for all products and projects of GEA Brewery Systems:

• We continuously optimize the operational reliability and product safety of our high-performance plants and components.

• We develop new ways to minimize the consumption of natural resources like water, energy and raw materials.

• We strive to make the brewing process as efficient as possible.

• We ensure customer satisfaction with reliable and comprehensive services.

Our customers’ requirements are of paramount importance to us – because your success is our success! With this in mind, we are committed to excellence and outstanding quality.
GEA Brewery Systems

Global competence for breweries

GEA Brewery Systems was formed by the merger of the two internationally renowned companies Huppmann and Tuchenhagen Brewery Systems. With the combination of hot and cold process technology in one company, GEA Brewery Systems is a globally unique competence centre for breweries.

We develop innovative solutions that are specifically tailored to your economic and ecological requirements. Whether individual plant components or a complete greenfield project – our range of services includes everything from engineering, delivery, installation, commissioning and automation up to service and maintenance.

For many years, a lot of international brewing groups with well-known brands and also many medium-sized breweries have been relying on the know-how of our staff and our comprehensive service. The competence and technology of GEA Brewery Systems have always been the basis for many great beers.

GEA Group

As a global market and technology leader in 90% of its business areas, GEA Group provides a solid foundation. With sister companies in over 50 countries, GEA Brewery Systems is well represented worldwide – and thus always close to you.
GEA Brewery Systems – Distinct advantages for the composition of great beers:

- Competence in the hot and cold process technology in one company.
- Many years’ experience and personal commitment.
- Excellent service all over the world provided by designated contact persons.
- Full service from a single source.
- Economic and financial security.
Hot/cold process area

You need to understand the hot and cold process area of a brewery as a whole to find optimal solutions. Only a comprehensive approach provides decisive advantages in quality, cost efficiency and process safety. Thanks to the company history of GEA Brewery Systems, our engineers have a broad and thorough knowledge of brewing technology, in the brewhouse as well as in the cold process area. Thus they can combine the best of both worlds.

Utilities

Our intelligent utilities solutions help to manage the energy flows in a brewery with optimized processes and costs. The equipment for recovering CO₂ from the fermentation process, for water management and for the supply of cold, steam and compressed air has a significant influence on the consumption of expensive resources and primary energy. Therefore, intelligent use of these technologies has a considerable impact on a brewery’s economic efficiency.

With our vast experience in the engineering and construction of these systems we ensure perfect integration into the brewery’s overall concept, optimized efficiency and reduced consumption costs.

The entire scale of the brewing process.

GEA Brewery Systems shows excellent performance!
**Process automation**

For optimized automation, we provide solutions that are tailored to your processes. Our experienced experts support you in selecting the most appropriate software platforms available on the market and adapt them to your requirements. The highly developed automation tools ensure stable and robust process conditions with maximum efficiency.

**Greenfield**

Having an eye for the important details is essential in the overall planning, development and supply of a brewery. With our technological know-how from practical experience and the expertise of our engineers, we undertake the comprehensive planning of the processes and required plant capacities for all stages of production. For this, we use dynamic models and precisely coordinate the individual plant sections. After the delivery, your production facility can be extended according to your individual needs – with a constant focus on smooth production processes.

*The entire ensemble of plant engineering, united in GEA Brewery Systems.*
Perfect accord of quality and profitability.

Our key: Efficiency.
Products and solutions of GEA Brewery Systems provide maximum efficiency. They are developed not only according to criteria like performance, quality and design – our planning always goes one step further: Our equipment is optimized for long-term sustainability and designed for your successful economic future.

**Cost reduction and yield increase**

Our aim is clear: Conservation of natural resources, yield increase in the brewing process and significant reduction of costs.

- For example, we reduce odour emissions by up to 100% with a range of technologies. A particular combustion system lowers the output of organic carbon dioxide and odorous substances are converted to carbon dioxide and water.

- Thanks to our CIP management, downtimes are minimized – while at the same time the entire cleaning process is improved. In the long run, this leads to higher yields and reduced time expenditure. In addition, you benefit from maximum plant and product safety.

- Thanks to optimized technological setting options, the JETSTAR™ provides higher wort quality and lower energy consumption at the same time. You will obtain higher efficiency and quality with less fuel input.

**Recycling**

An alternative method to save costs and preserve the environment is to recycle by-products or waste products. The HEAT-STER™ is our response to the increasing scarcity of resources. With spent grains combustion, breweries can cover a substantial part of the energy required for the brewing process. The conversion of spent grains into thermal energy can reduce the consumption of fossil fuels by up to 60% and at the same time the CO₂ cycle is closed by the regrowth of barley.

With GEA Brewery Systems to premium quality:

- **Sustainability is no universal solution – it requires the individual and flexible consideration of your specific needs.**

- **We will be pleased to show you how you can retrofit or upgrade your brewery with equipment from GEA Brewery Systems for long-term sustainability.**
Innovative stars of brewing technology.

Orchestrating the future.
Intelligent solutions from GEA Brewery Systems are investments that pay off quickly. We optimize product safety and microbiological safety with simple retrofit systems. For higher quality and profitability.

Innovations by GEA Brewery Systems are already used in the brewing process in numerous companies:

**ECO-MATRIX™**
Compared to conventional designs, our innovative piping system is convincing in several respects – for example due to its fail-safe operation and maximum flexibility.

**JETSTAR™**
With its two-phase boiling concept the system is setting standards in terms of wort quality and economic efficiency – in atmospheric systems as well as for low-pressure boiling.

**ECO-FERM™**
GEA Brewery System has developed a system which optimizes the fermentation process and reduces fermentation times by supporting the natural convection processes during fermentation – significant time savings can be achieved without compromising beer quality. The capacity in the fermenting cellar is increased, although the tank volume remains unchanged.

**Steady progress for quality assurance**
Our research and development team ensures continuous enhancement of our products – of course, always with a view to maximum safety and high quality.
Our customers call the tune.

Green light for safety.
Many of our longtime customers rely on our competence, our experience and especially on our word. They have good reason:

**We keep our promises**
An employee of GEA Brewery Systems will always be available as your specific contact person. We maintain open and direct communication and we only make promises if we are sure we can keep them. Our customers know: With the deadlines we promise they can develop business plans – and meet them.

**We provide individual customer service**
Each project has different requirements regarding engineering and project management. Therefore we respond to your individual needs and adapt our solutions exactly to your schedule. You can totally rely on our project management.

**We understand the connections**
You must have the brewing process, the required resources and the plant technology under control to develop appropriate solutions. We have therefore linked our know-how from different fields and can thus ensure smooth processes with maximum quality and minimum cost.

**We produce premium quality**
Brewery equipment from GEA Brewery Systems stands for top quality and optimum performance. Our customers benefit from longer operating times of their plants, less maintenance requirements and low operating cost.

---

**GEA Brewery Systems – The right decision:**

- You have a specific contact person throughout the whole project time frame.
- We prepare an individual project plan for you and develop a reliable project management structure.
- Your brewing process is running smoothly, without interfaces and at optimized cost.
- You enjoy premium quality with optimum performance.
Perfect technology, harmonic interplay.

Individual, fast and personal.
From the first contact up to our after sales service concepts we focus on your needs and requirements. Thanks to our global network of representative offices we can guarantee local personal support and fast service.

**Maintenance and servicing**
Our service contracts with different levels of servicing ensure that you get the technical support you need. Spare parts supplies are fast, reliable and tailored to your requirements.

**Training**
Whether brewing technology, plant engineering or energy technology – our training courses help you and your production team to ensure efficient and smooth plant operation.

**Audits for quality assurance and plant efficiency**
We monitor the technological parameters from milling up to the finished beer. Professional and sophisticated concepts optimize the required raw material quantities, energy input and production time.
We live our values.
Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 index.