



**» QUALITY OF AIR
IS QUALITY OF LIFE**

HANSA Klimasysteme



*Die like Wai is die bääste**

* Saterland Frisian for “The straight path is the best”



Our company is synonymous with innovation and development. These have been the key aspects of our work since our company was established. We have always focused on continuous communication and added value in every case in order to make the best-possible decisions from an economic, ecological and social point of view.

Only if all these aspects are taken into consideration we can ensure sustainability – and the name HANSA stands for sustainability today.

Jan Neumann
Managing Director

COMPANY

As diverse as your requirements

HANSA Klimasysteme GmbH has, since 1961, been a leading provider of air handling and air conditioning equipment for schools, sports halls, swimming pools, hospitals, offices and both industrial and process engineering applications throughout Germany and far beyond.

Extensive experience with these systems gained over many years has enabled us to develop a diverse range of air handling and air conditioning equipment distinguished by a durability from which you profit.

What makes us really special

Many manufacturers provide complete air conditioning systems. However, if you are looking for individually customised solutions planned and manufactured in compliance with applicable standards and regulations, then HANSA is the provider for you. Unit planning and design, integrated refrigeration, instrumentation and control engineering, control

programming – we are your one-stop provider for everything you need. We guarantee consistently high quality to meet your requirements. We have been operating and manufacturing as a carbon-neutral enterprise since 2020 in order to compensate for the carbon footprint of our company and our products.

PRODUCTION

Modern processes and machinery

A modern production facility ensures high-quality workmanship and low costs. Quality remains assured and affordable at HANSA through our continuous modernisation of machinery. Simultaneously, our in-house processes are optimised in

all functional areas with the help of our certified quality management system to ensure a consistently excellent process chain. Flawless units leave our production facility after factory commissioning and acceptance.

The chameleon in your project

Not only intrinsic values count. HANSA units can also be visually adapted

to meet requirements if desired and are tailored exactly to the customer project.



SYSTEM SOLUTIONS

NordLink Wilster land converter station

NordLink, the “green cable”, is the first direct electricity link between Germany and Norway.

The high-voltage direct-current link will enable the exchange of 1,400 megawatts of renewable energy, namely wind power from Germany and hydropower from Norway. NordLink therefore makes a decisive contribution to the energy transition in Germany and Europe. The exchange of energy via NordLink will increase the security of supply for both the German and Norwegian power grids and enable the exchange of renewable energy, especially hydropower and wind,

between the two countries. In addition to having a positive impact on energy prices, this will also further advance the integration of the European electricity market.

HANSA was the project partner for ventilation and cooling of the complete shore station in Wilster, with responsibility for the air handling equipment, ventilation construction, refrigeration and instrument and control subsections.

We are both delighted and proud to have had the opportunity to participate in this important energy transition project.





Old yields to new

“Under the motto Sport 50 for Neumünster”, the demolition of the non-swimmer pool in the outdoor pool complex has created space for a new indoor swimming facility with a 50 m sports pool. One particular highlight of the pool is the convertible roof that can be opened in warm weather.

The ventilation system for the new indoor swimming pool complex has a highly efficient heat recovery unit with an A+ energy efficiency classification and an air capacity of 50,000 m³/h. The spacious dimensions of the new building and our expertise in the construction of large air

handling and dehumidifying units meant that the required air flow rate could be realised with just one unit, which once again shows just how true our motto of “You can rely on us” actually is. With a length of almost 15 m and a height of 5 m, the dimensions of the air handling unit employed by HANSA are considerable. The unit was, as requested, adapted to suit the planned colour concept. The frame profiles and planking elements were coated entirely in the special “traffic blue” colour requested.

Enno Coners
Product Manager

OUR CLIMATE

Global climate

Climate change is one of the greatest challenges we face today, which is why the reduction of emissions plays such a major role in our company. The consequences of global warming are becoming increasingly noticeable and can only be counteracted through resolute action. However, as the emission reductions currently pledged by countries are, on their own, inadequate, a consid-

erable effort is required to counter man-made climate change. We are acutely aware of our obligation to make a contribution here, as safeguarding the future of coming generations is a responsibility that we all bear. This is why we have been climate-neutral since 2020. What's more, we are the first and only company in our sector to achieve this.





Air conditioning systems

HANSA stands out through its individual air handling and air conditioning system solutions for every application area. Our focus has been on innovation and development ever since our company was founded, and we consistently strive to achieve energy and operating cost reductions in the best possible manner. We provide optimum solutions for swimming pools, IT cooling, hygiene, industry,

laboratories, schools and much more. Air conditioning has never been easier, thanks to the best possible service and new technologies such as our in-house *etaTech* systems. The adaptability of our products and the expertise of our staff enable us to guarantee an optimum and highly efficient system solution in every case.

Working environment

The satisfaction level of each employee plays an essential role at our company. Success and sustainability can only be assured through a pleasant and fulfilling way of working. It is important to us that we design our approach here together to ensure that we develop further as a team and, consequently, as a company. We

promote the training of all our employees in order to strengthen potential. This ensures that all obstacles are removed from the career path of each individual employee. Whether as an apprentice, student, skilled worker or new employee from outside our sector, we write our success story together in our company!

CAREERS

The path to success with HANSA Klimasysteme

Every new employee can look forward to working with a highly innovative team, assuming responsibility and embracing the challenges of continuous change in the manufacture of refrigeration and air

handling products. Whether as a specialist or a new employee from outside our sector, everybody can trace their own path to success with us!

HANSA as an employer

We offer attractive and safe jobs and the chance for everyone to realise their potential. People are at the heart of what we do. Technical training and the con-

tinuous further development of our employees create the foundation for success and the future of our company.





Benefits

- ✔ Super colleagues
- ✔ Individual support
- ✔ Flexible working hours
- ✔ Pension scheme
- ✔ Occupational health and safety
- ✔ Career opportunities
- ✔ E-bike leasing
- ✔ Learning with a practical orientation
- ✔ Attractive remuneration

Vocational training / Studying at HANSA

HANSA offers vocational training in numerous occupations, with excellent further training and specialisation options as well. This is why we place an emphasis on versatile tasks as early as the apprenticeship stage. We also ensure that our trainees gain important practical experience and that everybody receives the

qualifications they require. Those who wish to study after their apprenticeship to gain additional qualifications can avail of the dual studies programme offered at HANSA. We guarantee that every employee receives highly qualified vocational training in our company.

VALUES

HANSA has been working for years to achieve climate neutrality within the company. The three keystones of sustainability are important in this respect for communication and the creation of value:

Economic

HANSA believes in optimising benefits rather than profits. This approach ensures that projects remain truly interesting in an economic sense for both client and contractor.





Ecological

Climate neutrality plays a significant role. As the first company in the sector, HANSA compensates for its operational and product-related emissions and, consequently, ensures the climate-neutral

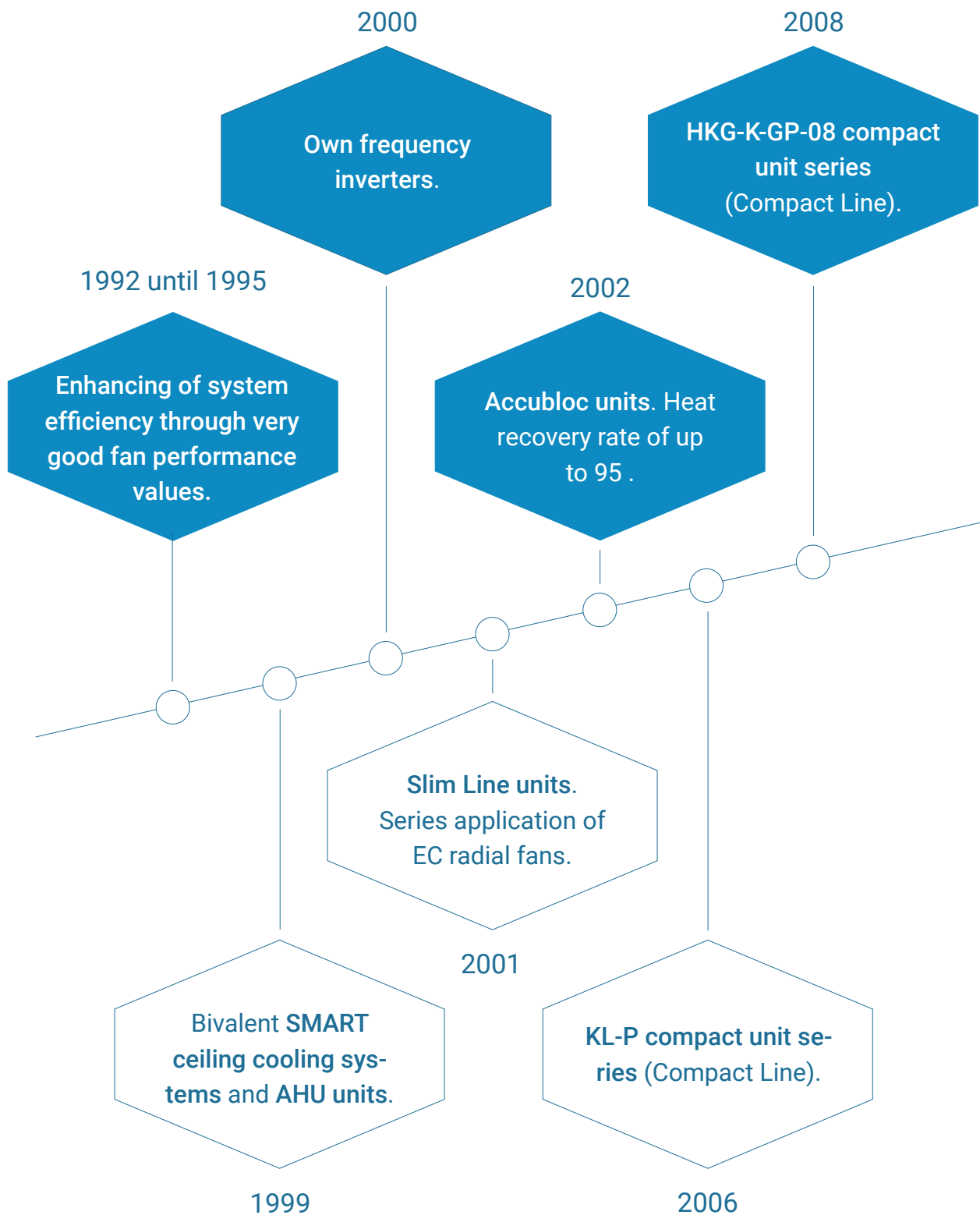
production of the air handling units it provides. HANSA is acutely aware of its particular responsibility for future generations and takes appropriate action.

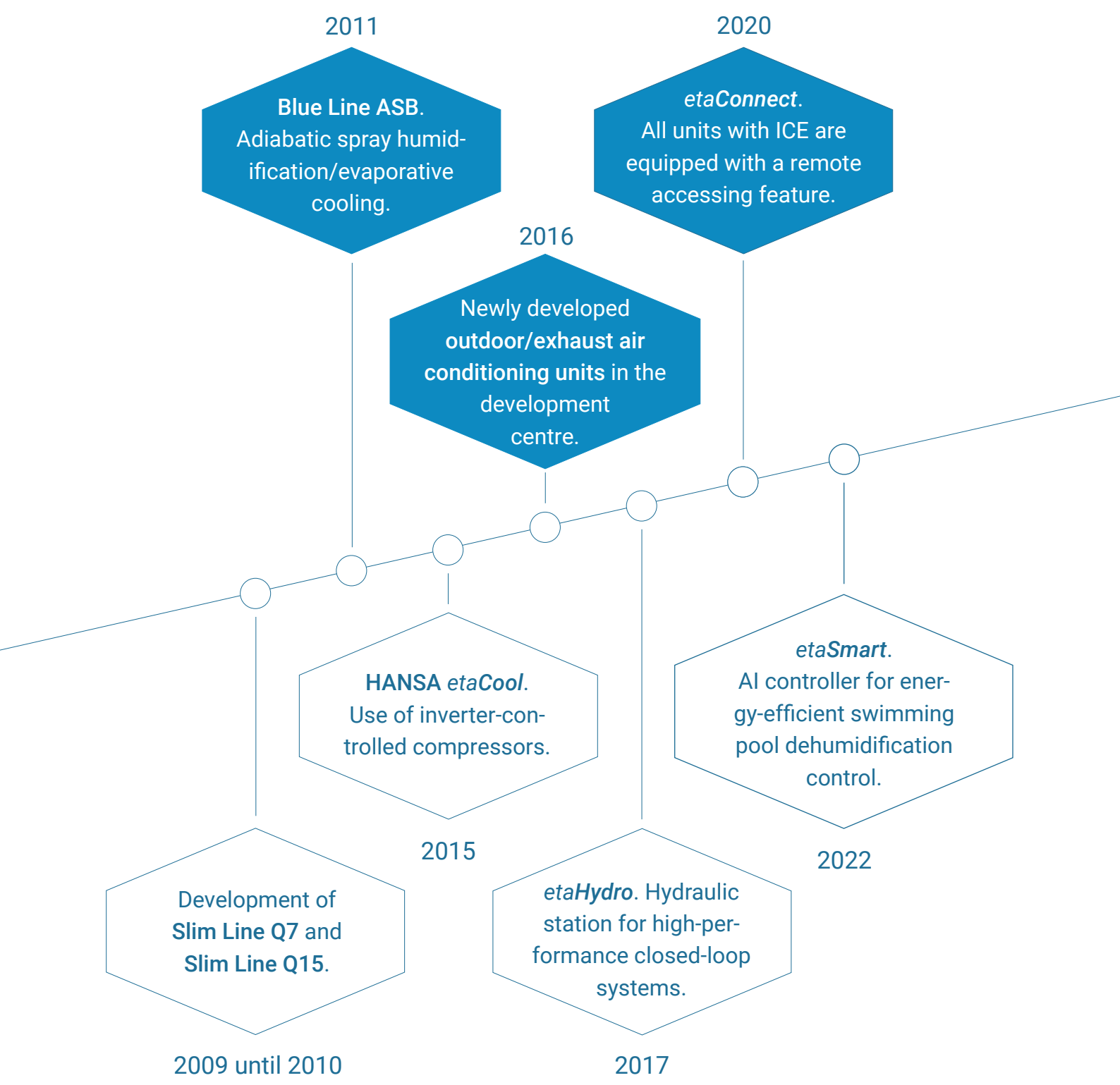
Social

People are at the heart of what HANSA does. The company's employees are the guarantors of its success, and the appreciation they are shown reflects this.

HANSA is aware of its responsibility towards society and supports numerous social projects.

TIMELINE



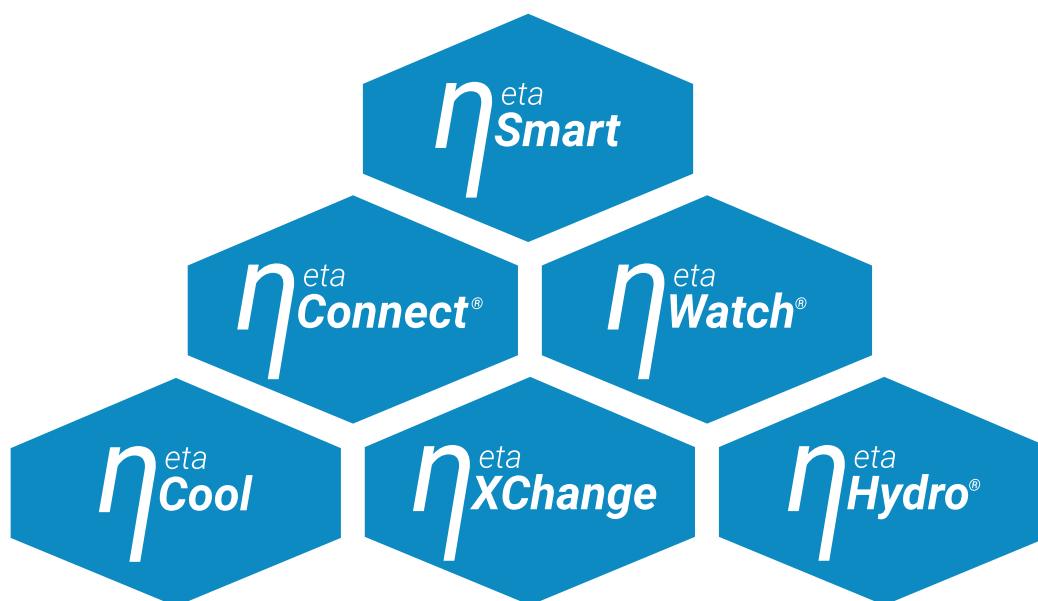


INNOVATION

Innovations from HANSA

Innovation and development have been key factors of our work ever since our company was established. We have and, indeed, continue to play a decisive role

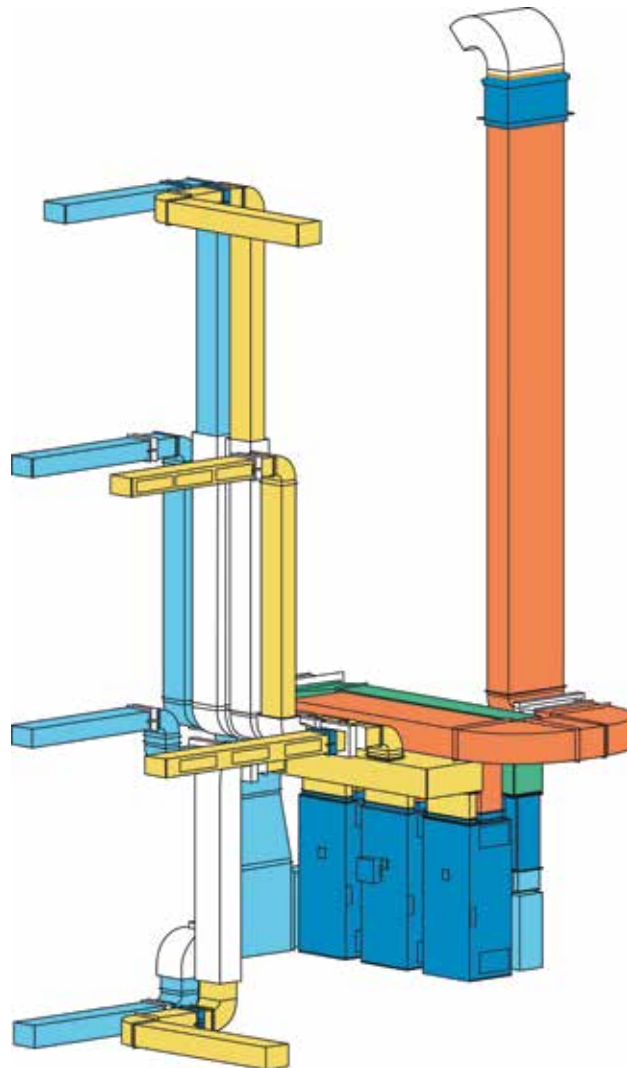
in significant innovations in the area of room ventilation technology. Our guiding principle is the reduction of energy and operating costs.



HANSA *etaTech*

etaTech encompasses the strategies and technologies we employ to achieve improvements in efficiency (Greek: η ,

eta) and, consequently, attain the desired level of efficiency of air handling units and systems.



BIM

Building Information Modelling (BIM) describes a working method for the networked planning, construction and management of buildings with the aid of the latest software. Consideration of all relevant building data and extensive planning enables the optimum adaptation of HANSA units

BIM

and systems to the building structure and other circumstances. The building is geometrically visualised here as a virtual model. Revit BIM models for our Slim Line, ReCool Line and compact units and Pool Line compact units are available as a download on our hansa-klima.de/en website.

SOLUTIONS

School ventilation systems

The air handling industry has known for decades that “bad air” in classrooms leads to concentration problems and reduces performance. The HANSA portfolio contains all units necessary for effective school ventilation.



Swimming pools

Ventilation systems ensure dehumidifying, building protection and temperature maintenance of hall air while achieving the highest level of energy efficiency and provision of required fresh air volumes.



Industry

Air conditioning units can be adapted to all operating conditions in the diverse industrial sector. Our products enable the exact maintenance of defined air conditions and air hygiene criteria.



IT cooling

The task here is to maintain a consistent room temperature and remove major heat volumes. Our ventilation systems are always reliable to prevent overheating of the operational room.



Hygiene

The top priority for indoor air in hospitals is optimum air hygiene and the best possible cost efficiency level. HANSA can provide you with optimum solutions on the basis of many years of experience.



Office

High fresh air rates and hygienically flawless air treatment are necessary for optimum results. We employ highly efficient heat, cold and moisture recovery systems that minimise air treatment costs.



Laboratories, clean rooms

Hygiene units also meet additional requirements, particularly with regard to the treatment and discharge of pollutants. In addition, redundant systems may be required for reasons of safety.



Museums

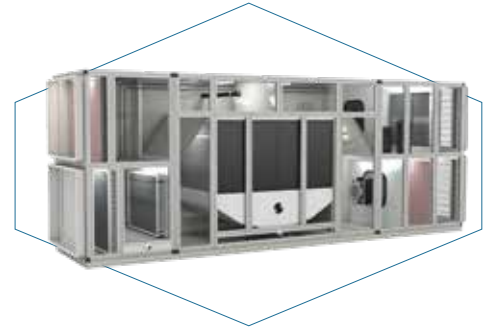
Museums house exhibits of high cultural and economic value. A defined air quality is required if these are to be protected and preserved for future generations.



PRODUCTS

Blue Line

Highly customisable air handling and full air conditioning units with a central heat recovery system and maximum energetic efficiency. As heat recovery systems, all conventional systems can be integrated: plate exchangers, rotors, closed-loop systems and Accublock.



Slim Line

Manufactured in the thousands, the highly efficient and compact units for cooling rooms under high thermal stress have an energy advantage of over 70% when compared to purely recirculation or split units.



Free Line

Our Free Line units are freely adaptable and configurable air conditioning units for free cooling of server rooms or general dissipation of process heat. They can be perfectly adapted to a range of application areas.



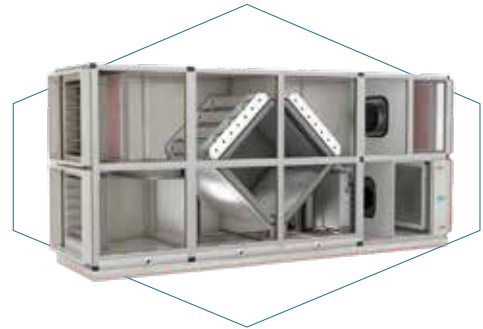
ReCool Line

Recirculating air cooling units for cooling rooms under high thermal stress. Whatever the marginal conditions may be, place your trust in HANSA, the air conditioning specialist, and select the right recirculating air cooling unit for your needs.



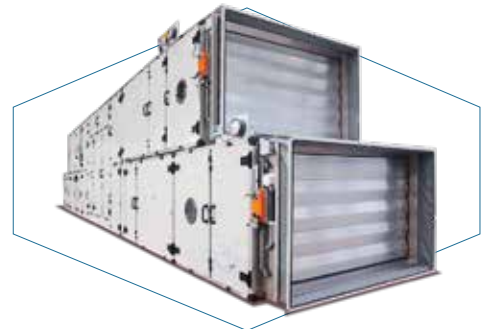
Pool Line

Swimming pool dehumidifiers provide guaranteed comfort and constant building protection. You too can benefit from the durability and energy efficiency of our units while, simultaneously, also reducing your operating costs.



Blue Line Hy

Clean germ-free air is essential for hygienic rooms. Air can be treated according to respective requirements with our Blue Line Hy air handling units.



Compact Line

The concept behind this product line enables cost-effective manufacturing with simultaneous flexibility and application freedom, thanks to modularisation. A higher quality standard and cost-effective operation are guaranteed.



Special units

Special units encompass the LF-HY (food hygiene) and Hygro Line (recirculating air dehumidification) product series and Hepa Tower (400 and 1200) air handling units. You can obtain more precise information on all products on our website.



REFERENCES

Center Parcs Park

With Aqua Mundo, the largest tropical bathing paradise, and the separate Spa & Country Club, Park Allgäu is a welcoming resort to relax in. Over 30 air conditioning units from HANSA ensure that guests enjoy every area of the resort.



Bezirksklinikum Mainkofen

Interdepartmental cooperation of different specialist areas is the reason for the excellent medical care in this clinic. HANSA is responsible for ensuring germ-free, first-class air handling.



Kunstdepot Konstanz

HANSA has created a 1000 m² dust-proof storage environment with constant temperature and humidity in Konstanz for the safe storage of 70,000 art exhibits currently not on display.



Kiel Fire Service control room

Emergency calls are received here 24/7, decisions on the equipment needed are made and necessary measures are initiated – to name but a few activities. The technical premises required for these operations are cooled by HANSA air handling units.



Carolinenhof Aurich

This attractive meeting place combines shopping facilities with a wide range of restaurants and other food outlets and leisure activities. Just like the motto of the Carolinenhof, air handling units from HANSA are also “GenAU RICHTig” here (just what is needed).



Peter Lacke

A customer-oriented medium-sized consortium with more than 100 years of experience in the development and production of high-quality painting systems. HANSA is providing three Blue Line air handling units for a new building.



Oldenburgische Landesbank

A central air handling unit was delivered for the headquarters of the Oldenburgische Landesbank (OLB) in Oldenburg. The unit is used for office air conditioning and is capable of replacing indoor air at a rate of 30,000 m³ /h.



Kläranlage Dresden Kaditz

The Dresden-Kaditz wastewater treatment plant is the main sewage plant for the city of Dresden. The laboratory facilities at the wastewater treatment plant are air conditioned with HANSA Blue Line ASB units.



QUALITY

HANSA association
memberships and certificates

Your success and ours are backed by quality



For us, quality means investors, planners and users achieving the fulfilment of their specifications and requirements. Our quality assurance and quality management systems are subjected to an-

nual inspections by approved auditors from the ZDH-Zert certification body. Our company is certified in accordance with DIN EN ISO 9001:2015, ensuring consistent quality to meet your requirements.

Fachverband Gebäude-Klima



With around 300 members, the Fachverband Gebäude-Klima e.V., a professional association for indoor climates, not only represents the interests of its members; it also promotes consumer protection

and is active in standardisation bodies. As a member of this association, we place an emphasis on collective efforts for the energetic rehabilitation of existing installations.

RLT-Herstellerverband

As a member of the German AHU Manufacturers Association (*RLT-Herstellerverband*), we contribute our expertise to formulating air handling technology guidelines. These freely accessible guidelines summarise the current legal situation, ensuring our customers benefit

from safety and transparency. We have our design software certified by the TÜV Süd technical inspection association to determine the energy efficiency class in accordance with AHU Guideline 01 (RLT-Richtlinie 1).



Eurovent

We have also been certified by Eurovent, the Industry Association for Indoor Climate (HVAC), Process Cooling and Food Cold Chain Technologies, since September

2020. This shows that our HKG air conditioning units also meet demands for Eurovent criteria, particularly in other European countries.



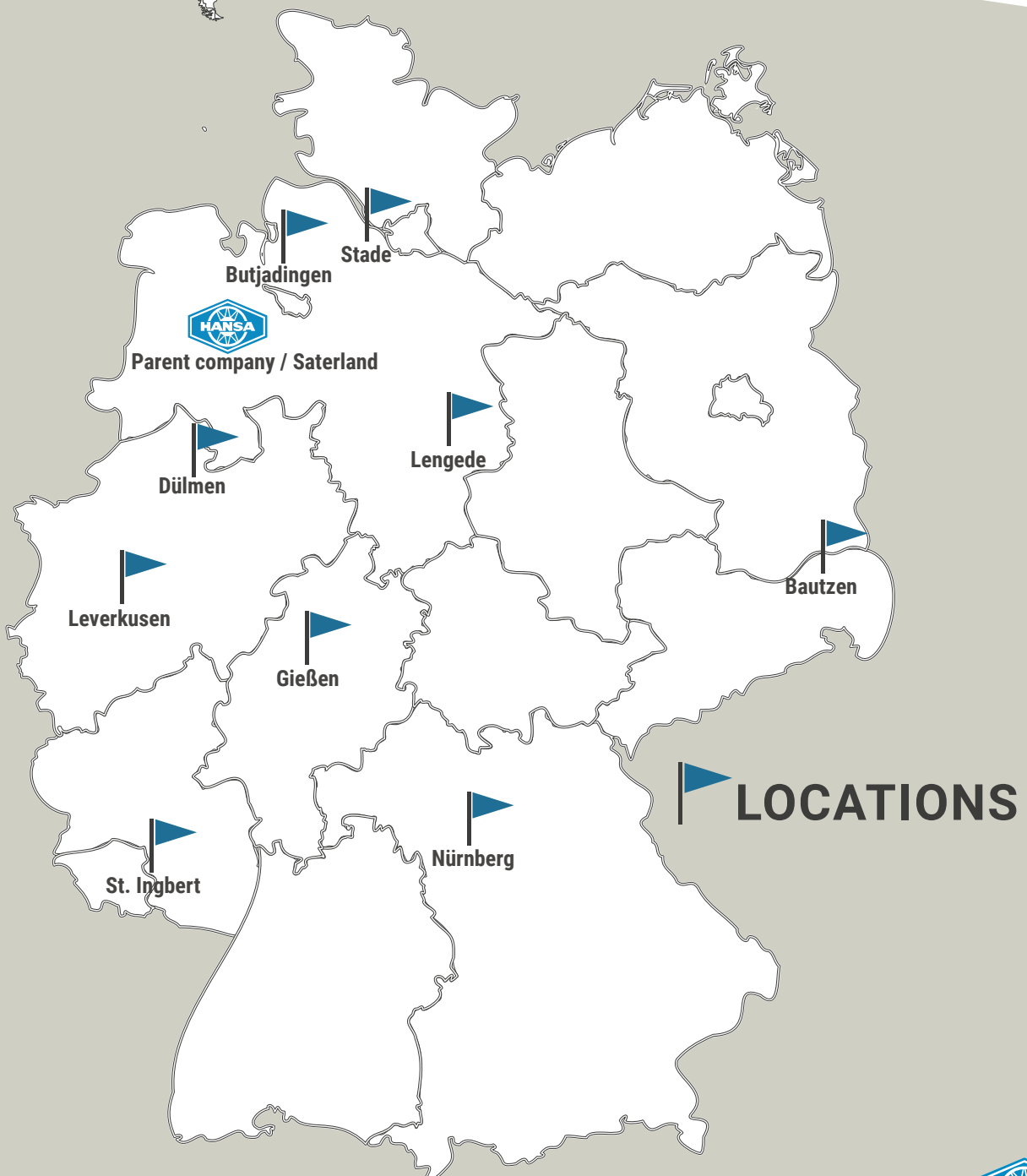
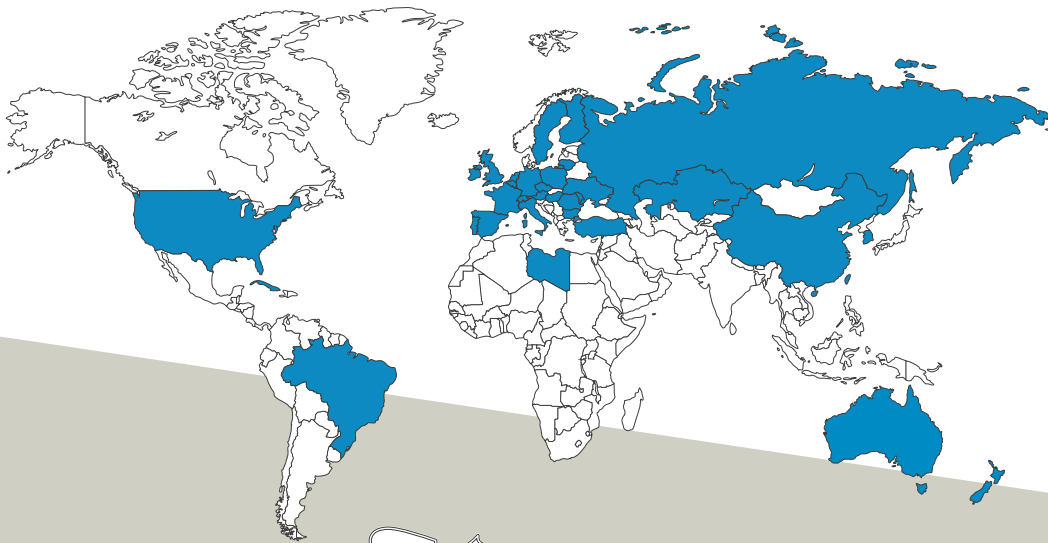
Carbon neutrality

We calculated the CO₂ footprint of both our company and our products in 2020. Based on this, we are the first company in our sector to compensate for our CO₂ emissions in accordance with the Clean

Development Mechanism. As a result, we are now a carbon-neutral company that provides carbon-neutral products. HANSA is also a member of the Development and Climate Alliance.



Our units around the world





HANSA Klimasysteme GmbH

Stockweg 19
D-26683 Saterland / Strücklingen
Phone: +49 (0)4498 89-0
Fax: +49 (0)4498 687
Email address: info@hansa-klima.de

Responsibility for content:
Dr. Matthias Lamping (Dr.-Ing.)
Managing Directors:
Carsten Fenne, Jan Neumann

Tax ID No. DE 117 377 203
Registergericht Oldenburg (registry court)
HRB 151863 (German Commercial Register)



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