



» AIR QUALITY IS QUALITY OF LIFE

HANSA Climate Systems



*Die like Wai is die bääste**

* Sater Frisian for 'The straight path is the best'



What does HANSA stand for? As a medium-sized company with decades of experience in ventilation technology and products designed for a long service life, we understand that short-term success is not what our customers or our company need. Therefore, we continuously strive to improve our products through optimised designs and components or demand-driven control systems such as our AI-based etaSmart system. At the same time, we continue to invest in our company and in what we consider our most valuable resource: our employees. At the same time, we are committed

to making our business increasingly sustainable.

This includes measuring and reducing our carbon footprint, supporting local initiatives through our social commitment, and enhancing the recyclability of our products.

Only by taking these steps, we can continue to be a reliable partner for you, our customers – now and in the future – in line with our guiding principle: 'You can count on us!'

Jan Neumann
Managing Director

COMPANY

Tailored to your requirements

Since 1961, HANSA Klimasysteme GmbH has been recognised throughout Germany and beyond for designing and manufacturing ventilation and air-conditioning units for a wide range of applications including schools, sports halls, swimming pools, hospitals, offices

and industrial and process engineering environments. Drawing on our many years of experience with these systems, we have developed a diverse portfolio of air-conditioning solutions that enables you to benefit from exceptional durability, reliability, and a long service life.

What makes us special

Many manufacturers offer fully equipped air-conditioning units. However, if you are looking for solutions that are individually designed and manufactured according to your specific requirements, while complying with all applicable standards and guidelines, HANSA is the right partner for you. From equipment planning and design to integrated refrigeration, measurement and control systems, and control system programming, we provide everything you need from a single source. We guarantee consistently high quality to meet your requirements.

The carbon footprint of our company, our production processes and product-related emissions – from raw material extraction to the factory gate – has

been independently assessed. Product-related emissions have been calculated using market-based secondary emission factors. The unavoidable greenhouse gas emissions generated by our operations and products are offset through the purchase of equivalent carbon credits, creating additional positive social and environmental impacts. This simultaneously achieves positive social and environmental effects. In accordance with the EmpCo EU Directive, the results of the sustainability assessment are presented transparently in the form of a sustainability overview on our publicly accessible ImpactBoard web portal (see reverse).

PRODUCTION

Modern processes and machinery

Modern manufacturing ensures high-quality workmanship at competitive costs. At HANSA, continuous modernisation of our machinery ensures high quality at an affordable price. At the same time, our certified quality management system optimises internal

processes across all functional areas, ensuring a consistently reliable process chain.

Only after successful commissioning and acceptance testing do fault-free units leave our production facility.

The chameleon in your project

It is not only what is inside that matters: HANSA units can also be visually customised to meet specific

requirements on request and they are tailored precisely to your project.



SYSTEM SOLUTIONS

NordLink Wilster Onshore Converter Station

NordLink is the first direct electricity interconnector between Germany and Norway.

The high-voltage direct-current link is set to enable the exchange of 1,400 megawatts of renewable energy – wind power from Germany and hydroelectric power from Norway. As a result, NordLink makes an decisive contribution to the energy transition in Germany and Europe. The exchange of electricity via NordLink improves security of supply for both the German and Norwegian electricity grids and enables the exchange of renewable energy, particularly hydropower and wind, between the two countries.

This will not only have a positive impact on energy prices, but also strengthens the integration of the European electricity market.

HANSA was the HVAC project partner for the entire onshore converter station in Wilster, responsible for the ventilation units, ventilation installation, refrigeration, and measurement and control systems.

We are proud to have contributed to this important project for the energy transition.





The old gives way to the new

Under the slogan *"Sport 50 for Neumünster"*, the demolition of the learners' pool at the outdoor swimming facility made way for a new indoor swimming pool complex featuring a 50-metre sports pool. A special highlight is the convertible roof, which can be opened in good weather.

The ventilation system for the new indoor swimming pool features a highly efficient heat recovery unit with energy efficiency class A+* and an air volume flow of 50,000 m³/h. Thanks to the spacious design of the new building and our expertise in the construction of large

ventilation and dehumidification units, we were able to achieve the required air flow rate with just a single unit – clearly demonstrating our guiding principle: 'You can count on us'.

The HANSA ventilation unit installed for this project has impressive dimensions, with a length of almost 15 m and a height of 5 m. As requested, the unit was adapted to the planned colour concept: the frame profiles and cladding elements were fully coated in the specified special colour "Traffic Blue."

Enno Coners
Product Manager

*in accordance with the Guideline of the AHU Manufacturers Association

OUR CLIMATE

Global climate

Climate change is one of the key challenges of our time. HANSA records emissions, works to reduce them, and transparently documents its additional climate protection contributions on the publicly accessible ImpactBoard web portal.

The effects of global warming are becoming increasingly apparent, and we can counteract them only through consistent action. As the emission

reductions pledged by countries are not sufficient on their own, a significant level of commitment is required to combat human-induced climate change. We believe it is our responsibility to play our part. That is why, since 2020, we have been measuring our CO₂ footprint and supporting certified climate protection projects.





Climate systems

Customised system solutions for ventilation and air-conditioning units across all areas of applications are what set HANSA apart. Since the foundation of our company, we have focused on innovation and development to continuously improve energy efficiency and reduce operating costs. We provide ideal solutions for swimming pools, IT cooling, hygiene, industry, laboratories,

schools and many other applications. Thanks to outstanding service and innovative technologies, such as our in-house *etaTECH* systems, air conditioning has never been easier. The adaptability of our products, combined with the expertise of our employees, enable us to guarantee optimum, highly efficient system solutions.

Working environment

At HANSA, the satisfaction of every employee is important to us. We believe that long-term success can only be achieved through a positive and fulfilling working environment. It is important to us that we follow this path together, to continuously develop ourselves as a team and as a company. To strengthen individual potential, we support the

further education and professional development of all our employees. This creates opportunities for everyone to shape their own career path. Whether you're a trainee, a student, a skilled worker or someone changing careers, together we'll write our success story.

CAREERS

Your journey with HANSA Klimasysteme

Every new employee can look forward to joining a highly innovative team, taking on responsibility, and embracing the continuous changes involved in manufacturing refrigeration and air-conditioning products. Whether you're a specialist or someone changing careers, you'll find the opportunity to forge your own path with us.

HANSA as an employer

With HANSA, you'll find attractive, secure employment and the opportunity to realise your full potential. For us, people are at the heart of everything we do. The professional qualifications and continuous development of our employees form the foundation of our company's success and future.





Benefits

- ✓ Individual grants
- ✓ Flexible working hours
- ✓ Pension scheme
- ✓ Occupational health and safety
- ✓ Career development opportunities
- ✓ E-bike leasing
- ✓ Practical training
- ✓ Attractive remuneration

Vocational training / Degree programmes at HANSA

HANSA offers a wide range of vocational training programmes with excellent opportunities for further training and specialisation. From the very beginning, we place great importance on providing diverse tasks, valuable practical experience, and the necessary qualifications for each individual.

For those wishing to continue their education after completing vocational training, HANSA also offers the opportunity to pursue a dual study programme. We guarantee that every employee receives high-quality training.

VALUES

HANSA actively pursues the measurement, reduction, and transparent documentation of its own emissions. Economic, ecological, and social aspects form the guiding principles of our actions.

Economic

HANSA prioritises value creation over profit maximisation. This approach ensures that projects remain economically attractive for both clients and contractors.





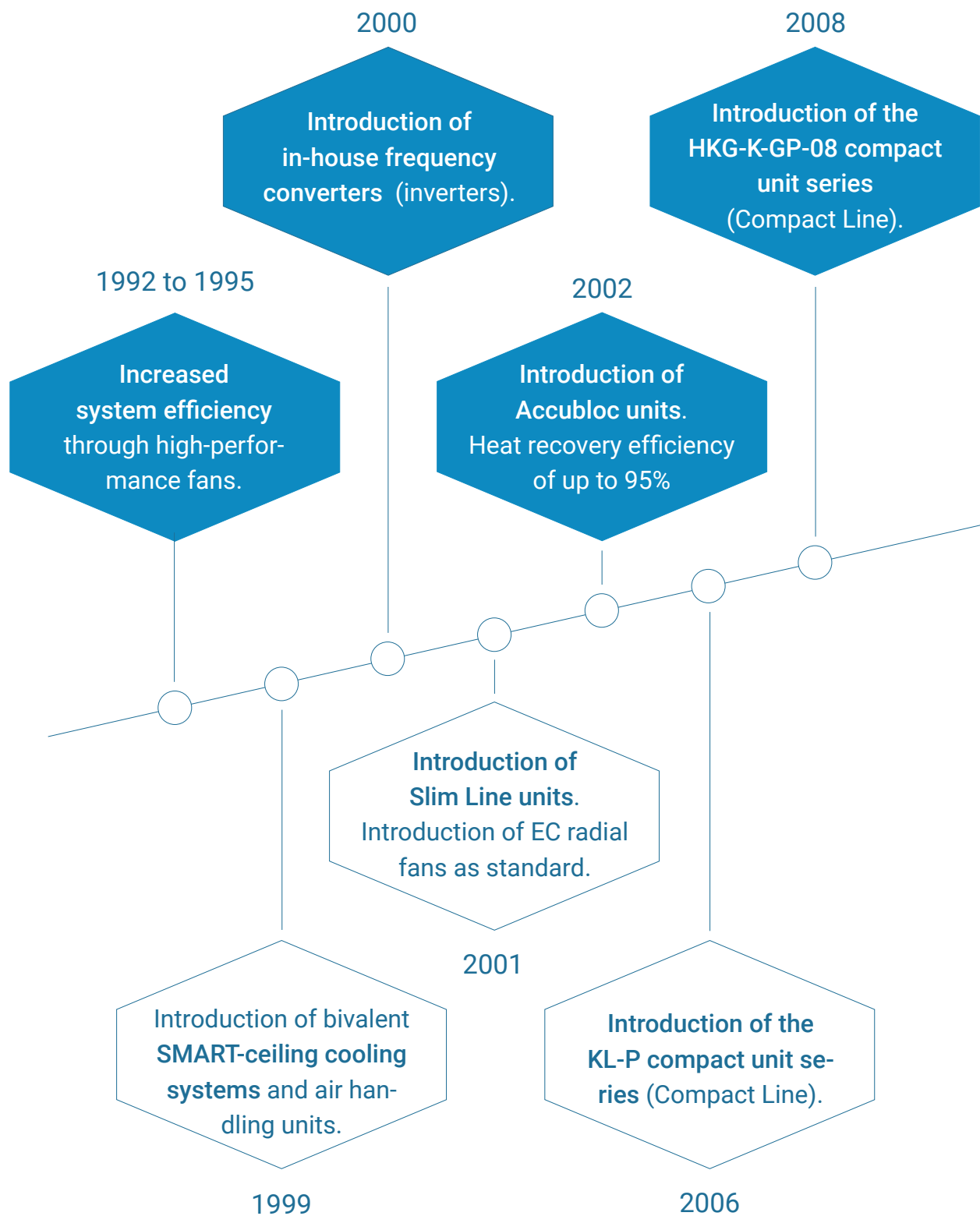
Environmental

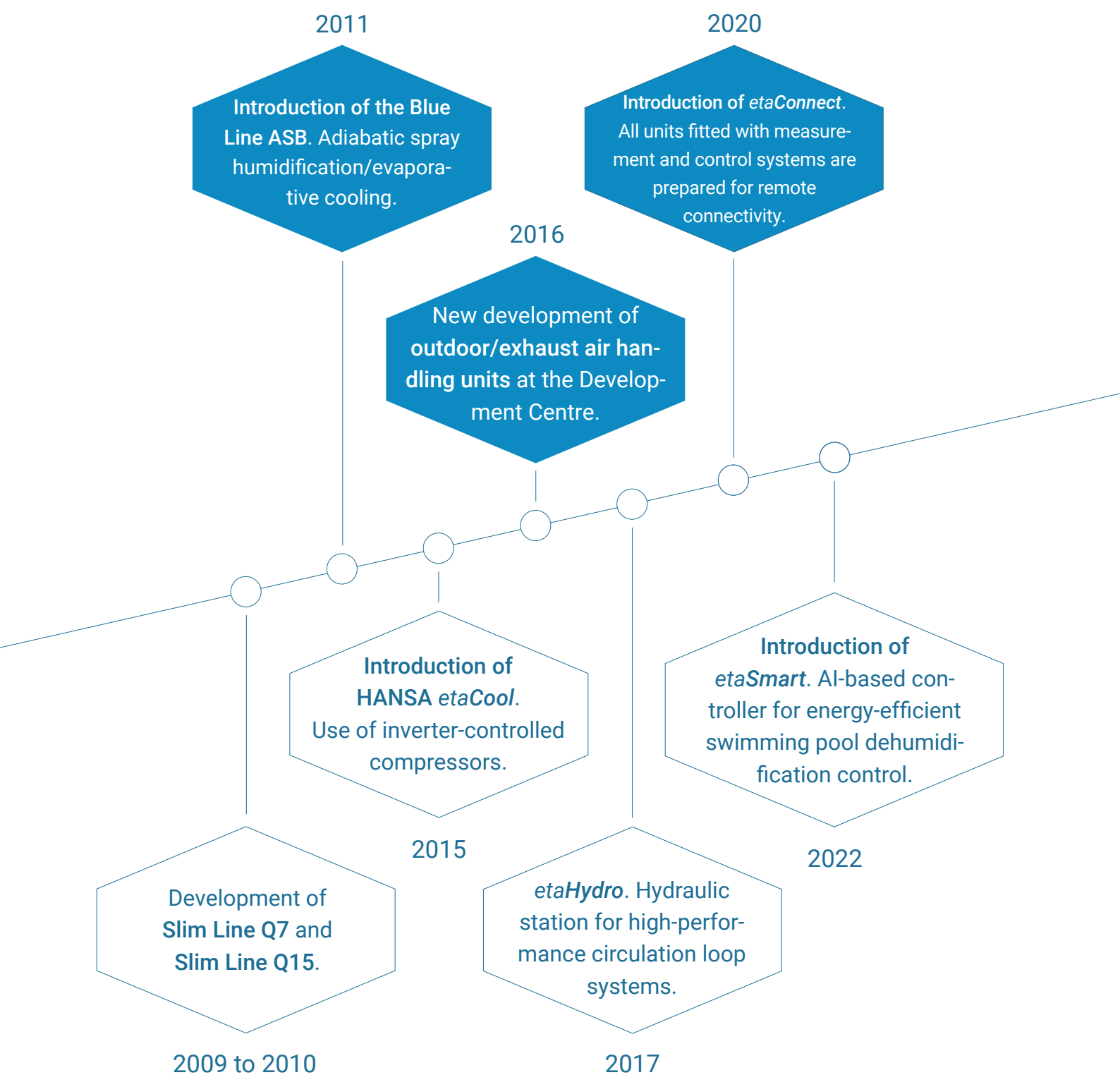
HANSA offsets its operational and product-related emissions and additionally support certified climate protection projects. The associated documentation, accounting boundaries, and contributions are presented transparently. HANSA recognises its responsibility as a company towards future generations and acts accordingly.

Social

People are at the heart of everything we do at HANSA. Our employees are the foundation of our success and receive the appreciation they deserve. HANSA acknowledges its responsibility towards society and supports numerous social initiatives.

TIMELINE





THE 3 PILLARS

HANSA – Equipment Manufacturing



Innovation and development have been key elements of our work since the company was founded. We have played, and continue to play, a leading role in driving significant innovations in ventilation technology. Our guiding principle is to reduce energy consumption and operating costs.

HANSA etaTECH – Service



A ventilation system must operate as efficiently and cost-effectively as possible. With etaTECH, we provide all the necessary modules. Maintenance, inspection, breakdown support, monitoring and system optimisation – all from a single source. This enables us to ensure the smooth, efficient and long-term operation of ventilation systems.

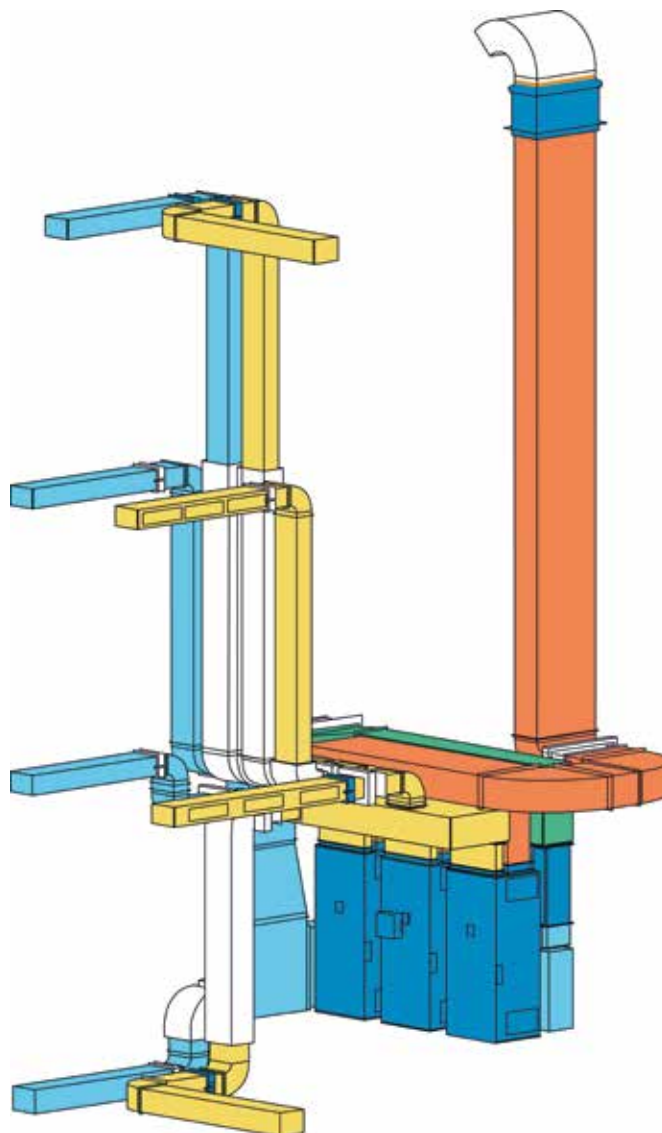
HANSA IVENCON – Systems Engineering



IVENCON stands for 'Industrial VENTilation CONstruction'. For decades, we have specialised in the design, engineering and installation of ventilation systems to the highest standards throughout northern Germany for customers in the industrial, telecommunications, IT and energy sectors. We help build and shape the future.

Our eta solutions:





BIM

Building Information Modelling (BIM) is a methodology for the integrated planning, construction and management of buildings using state-of-the-art software. By taking all relevant building data into account and through detailed planning, HANSA's units and systems can be optimally adapted to

BIM

the building structure and other project-specific requirements. The building is represented geometrically as a virtual 3D model. Revit BIM models for our Slim Line, Recool Line, Compact Units and Pool Line Compact Units product ranges are available for download from the HANSA website, hansa-klima.de.

SOLUTIONS

Ventilation systems in schools

It has been known in the ventilation industry for decades that stale air in classrooms leads to concentration problems and reduced performance. HANSA's product range includes all the ventilation units required to ensure a healthy indoor climate in schools.



Swimming pools

Our ventilation systems provide dehumidification, protect the building structure, maintain comfortable air temperatures in the pool hall, deliver high energy efficiency and supply the required volumes of fresh air.



Industry

Our air-conditioning units can be tailored to the specific requirements of a wide variety of industrial applications. They ensure precise compliance with specified air quality and hygiene requirements.



IT cooling

The purpose of IT cooling is to maintain constant room temperatures while dissipating large amounts of heat. Our ventilation systems reliably prevent technical rooms from overheating.



Hygiene

In hospitals, the highest priority is to ensure optimum indoor air hygiene while achieving maximum cost-effectiveness. Drawing on its many years of experience in the hospital sector, HANSA offers the best possible solutions.



Offices

High fresh air rates, combined with hygienically sound air treatment, are essential to achieve optimum results. We use highly efficient heat, cooling and humidity recovery systems to minimise costs.



Laboratories, cleanrooms

Our hygienic ventilation units meet additional requirements, particularly with regard to the treatment and extraction of pollutants. In addition, redundant systems may be required for safety reasons.



Museums

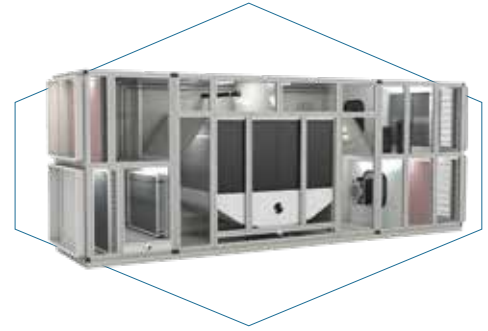
Museums house exhibits of great cultural and economic value. Protecting and preserving these collections for future generations requires carefully controlled indoor air quality.



PRODUCTS

Blue Line

Highly customisable ventilation and full air-conditioning units with central heat recovery for maximum energy efficiency. All standard heat recovery systems can be integrated, including plate heat exchangers, rotary heat exchangers, run-around coil systems and Accublock.



Slim Line

Highly efficient and compact units, manufactured in large production runs, designed for cooling rooms with high thermal loads and offering energy savings of over 70 per cent compared with standard recirculating or split-system units.



Free Line

Our Free Line units are fully customisable and configurable air-conditioning units designed for the free cooling of server rooms or, more generally, for the dissipation of process heat. They can be perfectly adapted to a range of applications.



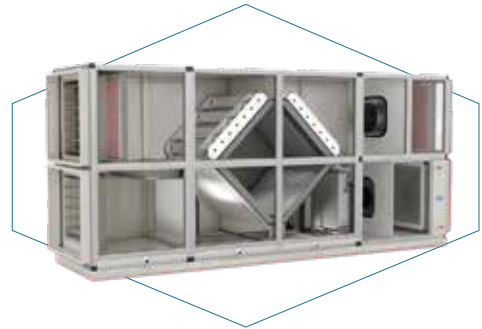
ReCool Line

Recirculating air cooling units for cooling rooms subject to high thermal loads, whatever the operating conditions. Put your trust in HANSA, the climate specialist, and choose the recirculating air cooling unit that best meets your requirements.



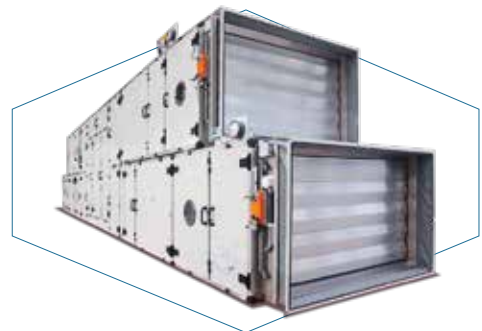
Pool Line

Swimming pool dehumidifiers provide reliable comfort while ensuring continuous protection of the building. Their durable, energy-efficient design helps to reduce operating costs while meeting the specific requirements of each project.



Blue Line Hy

Germ-free, clean air is an essential requirement in hygiene-sensitive environments. With our Blue Line Hy air-conditioning units, the air can be treated to meet specific requirements.



Compact Line

The modular design of this product range enables cost-effective manufacturing while providing maximum flexibility and versatility. High quality standards and cost-effective operation are guaranteed.



Specialised units

Our range of specialised units includes the LF-HY (food hygiene) and Hygro Line (recirculating air dehumidification) product series. More detailed information about all our products is available on our website.



REFERENCES

Center Parcs Park

With its vast tropical water park, Aqua Mundo, as well as a separate spa and country club, Center Parcs Park Allgäu is the perfect place to relax. More than 30 HANSA air-conditioning units ensure a comfortable indoor climate in every area of the resort.



Mainkofen District Hospital

The close collaboration between the various specialist departments is the reason for the hospital's excellent medical care. HANSA is responsible for providing first-class, hygienic ventilation.



Konstanz Art Repository

For the 70,000 exhibits that are not currently on display, HANSA provided the ventilation technology for a 1000 m² storage facility, where the exhibits can be kept at a constant temperature, humidity and dust level.



Kiel Fire Brigade Control Centre

Emergency calls are answered around the clock, decisions are made on the deployment of resources, and the necessary measures are initiated. The technical rooms required for these operations are cooled by HANSA ventilation units.



Carolinenhof, Aurich

The combination of shopping facilities with a wide range of dining and leisure options makes it an attractive meeting place. In keeping with the Carolinenhof's motto, HANSA's ventilation units are also 'just right' here.



Peter Lacke

A customer-focused, medium-sized group of companies with more than 100 years of experience in the development and manufacture of high-quality coating systems. HANSA is currently supplying three Blue Line ventilation units for the new building.



Oldenburgische Landesbank

A central ventilation unit was supplied for the Oldenburgische Landesbank (OLB) head office in Oldenburg. The unit provides air conditioning for the office areas and has an air handling capacity of 30.000 m³/h.



Dresden Kaditz Wastewater Treatment Plant

The Dresden Kaditz wastewater treatment plant is the main wastewater treatment facility for Dresden, the capital of Saxony. The laboratory areas of the wastewater treatment plant are air-conditioned using HANSA Blue Line ASB units.



QUALITY

HANSA's association
memberships and certifications

Quality is the key to your success – and ours



For us, quality means meeting the requirements and expectations of investors, planners, and users alike. Every year, our quality assurance system and quality management are audited by accredited auditors from ZDH-Zert.

Certified to DIN EN ISO 9001:2015, we guarantee consistently high quality standards and reliable products that meet your requirements.

German Building Air Conditioning Trade Association



With around 300 members, the German Building Air Conditioning Trade Association (Fachverband Gebäude-Klima e.V.) represents the interests of the building climate control industry, promotes consumer protection, and

actively contributes to the development of technical standards. As a member of the association, we are committed to working together to improve the energy efficiency of existing installations.

AHU Manufacturers Association



As a member of the German AHU Manufacturers Association (Herstellerverband Raumlufthtechnische Geräte e. V.), we contribute our expertise to the development of the associations's guidelines for air-handling units. These freely accessible guidelines summarise

the current legal position and provide our customers with clarity and transparency. Our design software is currently being certified by TÜV SÜD (German Technical Inspection Association) to determine the energy efficiency class in accordance with AHU Guideline 01.

Eurovent



We have been Eurovent certified since September 2020, demonstrating that our HKG air-handling units meet the

Eurovent criteria, which are particularly sought after in European markets outside Germany.

Alliance for Development and Climate

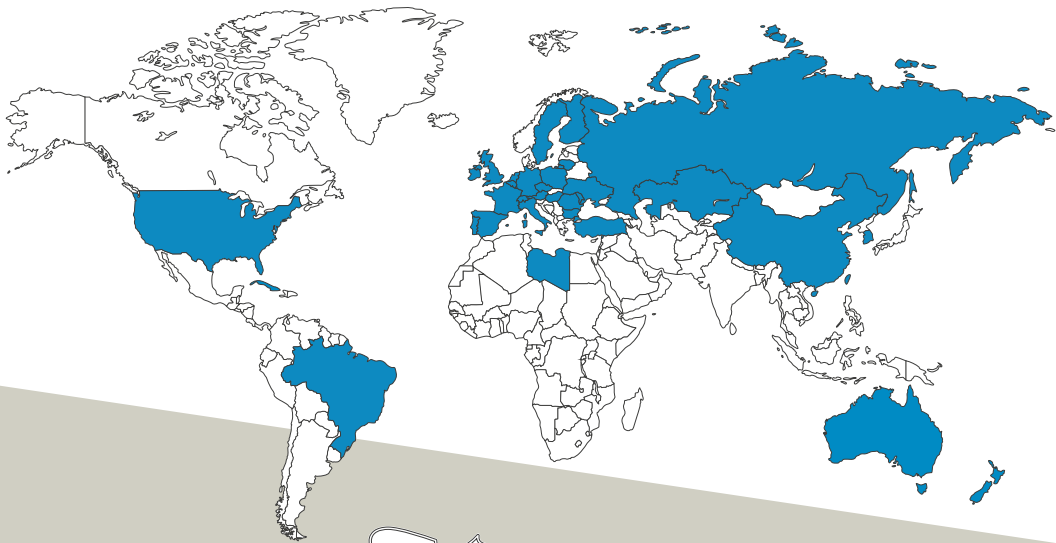


In 2020, we calculated the carbon footprint of our company and our products. Based on these results, we document emission reduction measures and make additional financial contributions to certified climate protection projects. Details of

the reporting boundaries, projects and supporting documentation are available and are fully transparent. HANSA is a member of the Alliance for Development and Climate.



Our units around the world



* Errors, omissions and misprints excepted.





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