




From product
to system.



Systems, equipment & components
for building complete ventilation
and air conditioning systems

Leading manufacturer of
ventilation ducts with a
production capacity of

1,8 million m² folded
rectangular duct and
fittings per year

Specialist for custom

system solutions

8000

employees at 13 locations

More air! For your project.



Systematic experience.

Modern ventilation and air conditioning systems are subject to complex requirements, especially in industrial and plant construction. In addition to the technical specifications, energy efficiency, environmental protection and climate protection play an increasingly important role.

As a leading provider of ventilation and air conditioning technology, we can respond to the most complex challenges in a wide variety of industries with our extensive range of products. Our portfolio of eight product groups combines ventilation and air conditioning technology components for buildings and industrial plants into tailored and sustainable systems.

With holistic thinking we support designers and plant builders in setting up room air and process air handling systems. In the process, we have already risen to the challenges of the 2050 climate protection goals at an early point in time. By developing energy-efficient solutions, we make a constructive contribution to reducing greenhouse gas emissions.

Solution expertise worldwide.

Our products and systems are in use worldwide. We deliver with powerful logistics to anywhere in the world – always tailored to the specific local conditions and based on current standards and certification systems.

Customers from a wide array of industries and market segments rely on solutions from BerlinerLuft. Based on many years of experience, the expertise of qualified staff and in dialogue with our customers, we continuously subject our products to further development.

As a committed member of professional associations and institutions, we actively contribute to the development of standards to improve ventilation and air conditioning products and systems. Against this backdrop, we support our customers as both experts and partners in the implementation of complex projects.

As consultants. As expert partners.
As system suppliers.

Andreas von Thun

Chairman of the
Management Board

Jorge Guimet

Commercial Director
and Vice Chairman

Our experience.
Brings fresh air into
your project.

” With our products we create an
optimal climate in every room.”



Our cooperation. **Is also
systematic.**

” Because we develop concepts that
combine individual components and devices
harmoniously into tailored systems.”

As consultants holistically.

And as partners over the long term.

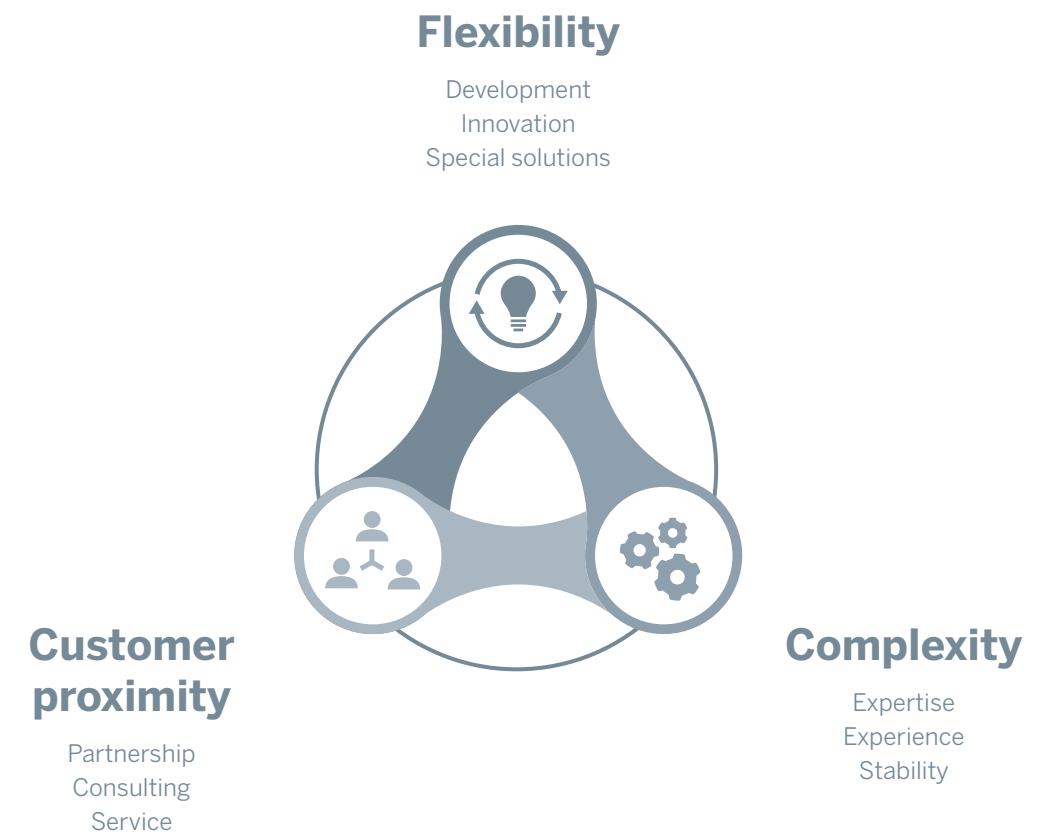
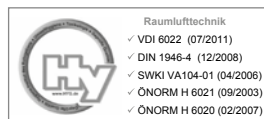
Over the decades, BerlinerLuft. has developed from a product-oriented provider into a holistically thinking expert partner for designers.

Today, the name BerlinerLuft. stands for solution-oriented designing and consulting characterised by partnership – from engineer to engineer.

› Our experience is in demand

For years, technical building equipment engineers and plant builders in Germany and abroad have put their trust in the product and cross-industry knowledge of BerlinerLuft. in the area of modern ventilation and air conditioning technology. This is because our flexible system and special solutions provide answers to complex ventilation and air conditioning design requirements in the air conditioning of buildings or the use of air in industrial processes. We place great emphasis on low-noise, energy-efficient solutions with environmentally-friendly handling of the resources used.

The well-being of people and the protection of the environment are our main focus. With this claim and our leading edge experience in ventilation and air conditioning technology, we support design managers in their field of building services with expertise and flexible, custom solutions. In addition to powerful delivery logistics and certified quality management, we can offer them this crucial added value – planning security and valuable time savings.



› Our solutions are well thought out.

Our values and our vision of energy-efficient and demand-oriented air conditioning and ventilation technology determine the cooperative dialogue between us, our customers and our business partners. With partnership and trust, we accompany engineers and designers from the initial planning stage to project management, on their path to efficient and sustainable implementation of their planning project with an appropriate cost-benefit ratio.

We meet the highest standards of functionality, hygiene, safety and service life.

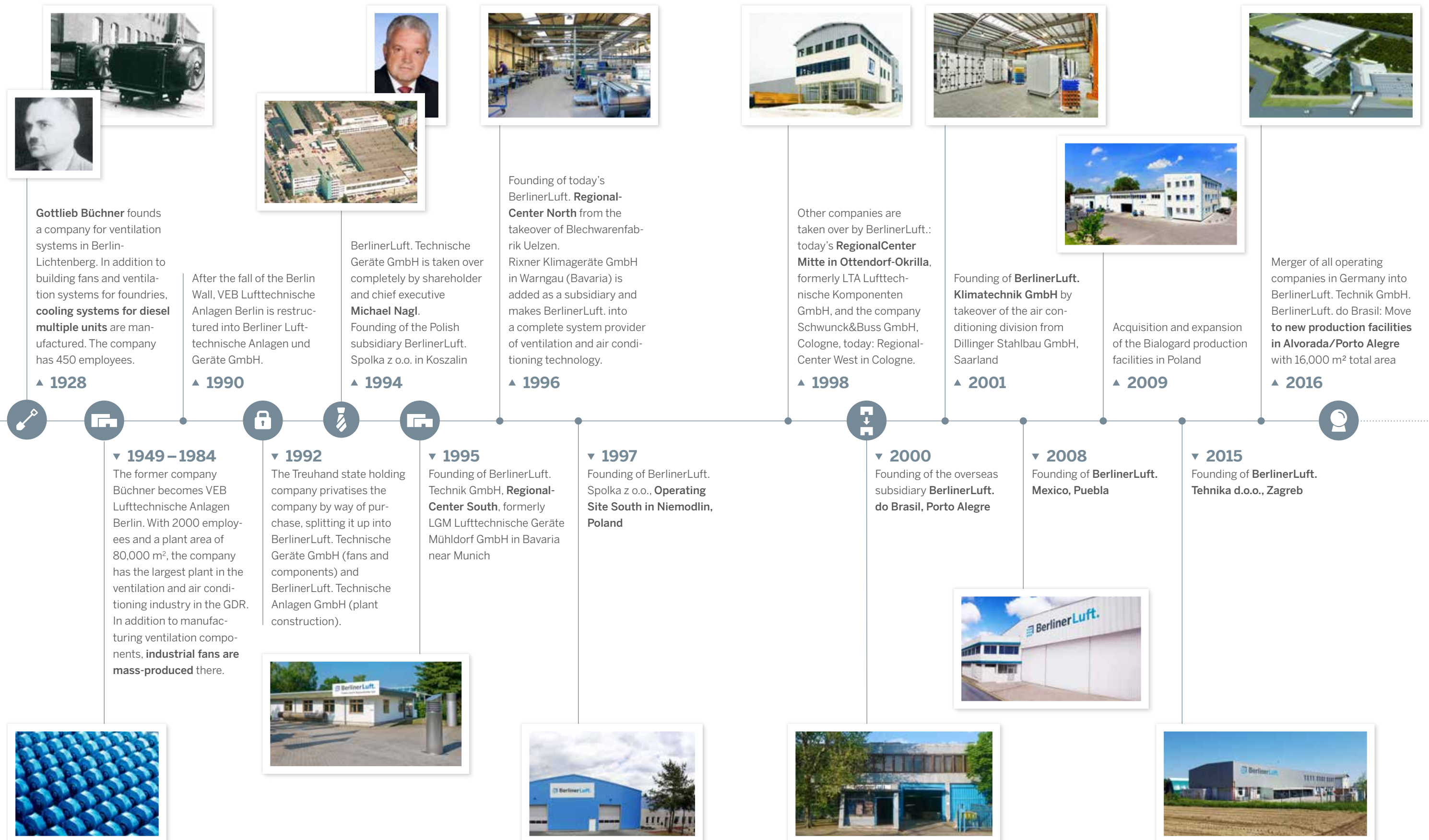
Our internal and external quality management ensures flawless implementation of your project.

Our collaboration and the entire organisation of work are always based on practised individual responsibility with maximum teamwork and customer focus. To achieve this goal, we encourage holistic, autonomous thinking and a customer-oriented approach among all our employees in addition to their professional development. This is the only way to connect certified processes with new thinking for innovative solutions. In order to convince systematically – and to inspire customers over the long term.



From product-oriented manufacturer.

To internationally operating system specialist.



Highly specialised. **Broadly positioned.**

BerlinerLuft. manufactures and supplies specific components and systems for ventilation and air conditioning. Both for non-residential buildings and industrial plant construction.

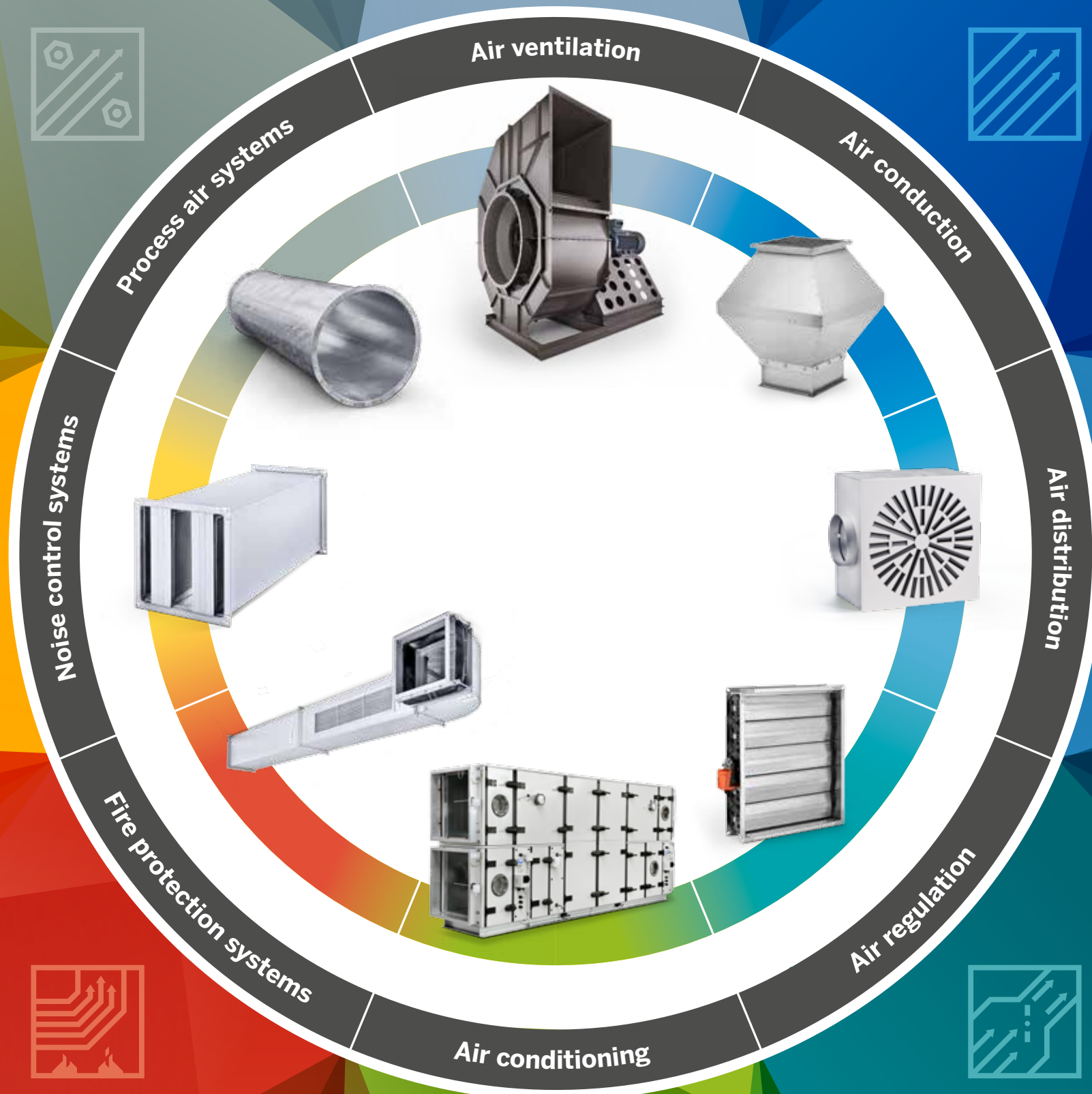
A public building requires air treatment that differs from an industrial production process: In office buildings, shopping centres, libraries or hospitals, our products and systems provide maximum comfort, pleasant temperatures and hygienic conditions.

We develop solutions and products for industrial production processes in various industries.

For example, our devices and systems provide for clean removal of hot, toxic or aggressive media used for drying or dust removal.

For regenerative exhaust systems, we provide components adapted to the specific needs and develop acoustic solutions to reduce noise.

Whether comfort ventilation or process air technology – we deliver tailored products and systems with the highest standards of efficiency and economy.



From product to system.

Our products convey, distribute, regulate and condition air and climatise rooms. We think holistically as well as develop and produce sustainably in the field of building services. With our expertise and our wide range of products, we can translate different system requirements into complex solutions designed for a long service life.

Air conditioning and
ventilation technology
from product
to system.



- 1 Air ventilation**
Industrial and high-performance fans
- 2 Air conduction**
Ventilation towers
Duct systems square and round, folded and welded
Fresh air and exhaust air systems
- 3 Air distribution**
Ventilation grille and air outlets
- 4 Air regulation**
Multi-leaf and overpressure dampers
- 5 Air conditioning**
Central air conditioning and ventilation units
Central air conditioning and ventilation units for data centres
Heat recovery systems
- 6 Noise control systems**
Noise control systems and industrial soundproofing
- 7 Fire protection systems**
Smoke exhaust ducts
- 8 Process air technology**
Products and components for industrial needs

Products and solutions
for building services
and industrial applications





TAUNUSTURM FRANKFURT

Product group
Air conditioning

Year of completion
2015

Services

17 central air conditioning units
Flow between: 950 – 85,000 m³/h

Heat recovery system system EcoCond
with 85,000 m³/h flow



1 // Highly efficient heat recovery system EcoCond as a circulation system with integrated heat refeeding

2 + 3 // Central air conditioning unit for office air conditioning with high-performance circulation system EcoCond



TaunusTurm Frankfurt

Intelligent heat recovery

TaunusTurm is a two-part building complex in the inner-city of Frankfurt. The 40-storey office tower includes a 63 m high residential section. The model low-energy project is certified according to the international LEED standard (Leadership in Energy and Environmental Design) with the highest level of sustainable construction and operation. Characteristic of ecological construction is the intelligent air conditioning technology. For air conditioning,

BerlinerLuft, provided 17 central air conditioning units that ventilate several floors of office space with a total flow of 500,000 m³/h. The highly efficient system EcoCond is used for heat recovery.

Under the leadership of builder Tishman Speyer Properties GmbH, TechDesign GmbH was responsible for the design of the central heating and cooling supply of the building.



JKL-KUNSTSTOFFTECHNIK

Product groups

Air ventilation
Air conduction
Noise control systems
Process air technology

Products

2 radial fans
Sound dampers
Multi-leaf dampers
Welded duct system
Steel construction as substructure

Services

Construction
Disassembly
Assembly

Year of completion

2015

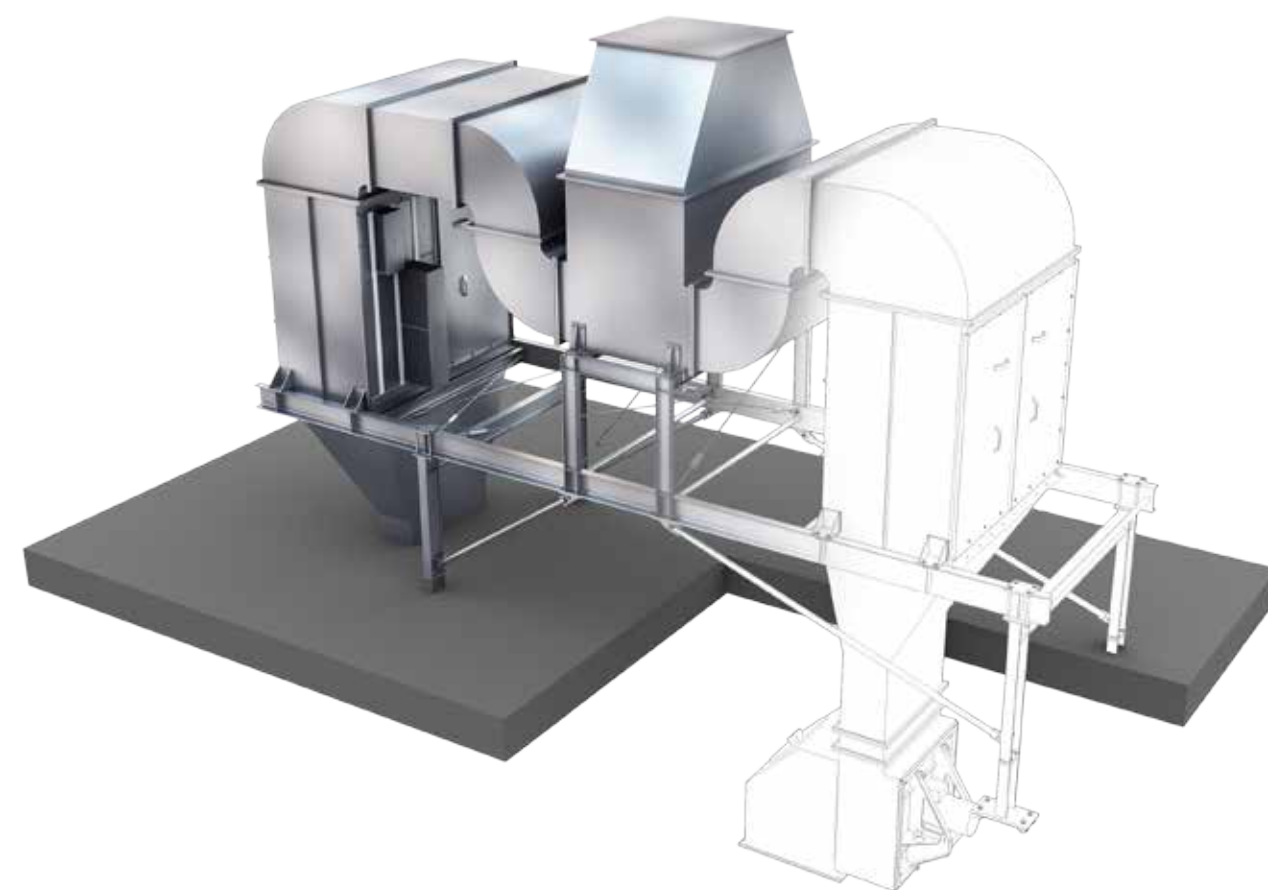




JKL-Kunststofftechnik Regenerative air discharge

As a supplier to the automotive industry, JKL-Kunststoff Lackierung GmbH near Dresden, Germany, operates a paint shop for coating surfaces. The performance of the fully automatic system and adherence to all quality parameters, in particular the climatic and technical ventilation conditions, is determined on site. In 2015, BerlinerLuft. was commissioned with the construction and installation of a regenerative ventilation system for residue-free exhaust air purification.

The requirement: The ventilation components installed in the system should separate the solvents absorbed in the air via the exhaust air system, in order to subsequently re-supply them to the production cycle. Fulfilment of the emission benchmarks (EB) for sound as well as the exhaust height was relevant here. Because the pressure loss in the interior of the system could be substantially reduced, it operates in an extremely energy-efficient manner.



1 // Exhaust system of a regenerative exhaust air plant



CULTURAL CENTRE DORTMUNDER U

Product group
Air conduction

Year of completion
2016

Products
4 outside air towers, of which
2 towers with a total height of 8 m
2 towers with a total height
of 12 m and with a diameter
of 1,100 mm each

Performance
Flow of 8000 m³/h
per louvre tower

Material
Welded galvanised steel,
sheet thickness 3.0 mm,
painted in RAL 9006 semi gloss,
weight per tower: 1.2 t

Centre for education & creativity Innovation at a dizzying height

In close proximity to the education centre in the former Dortmunder Union Brewery, a creative business centre was constructed between 2013 and 2015. As part of the overall technical design of the prestigious construction project, BerlinerLuft, planned and implemented the fresh air intake with four ventilation towers made of galvanised steel painted in white aluminium. The winning design called for installation of the towers in the basement floor of the underground car park.

Tight spaces and limited load-bearing capacity in this unusual installation location required precise logistical planning of the unloading and assembly on site.

A total of 2 tower pairs with overall heights of 8 and 12 m and diameters of 1,100 mm were installed. Within the open building architecture, they form elegant design elements and also blend harmoniously into the spacious design in terms of form and materials.



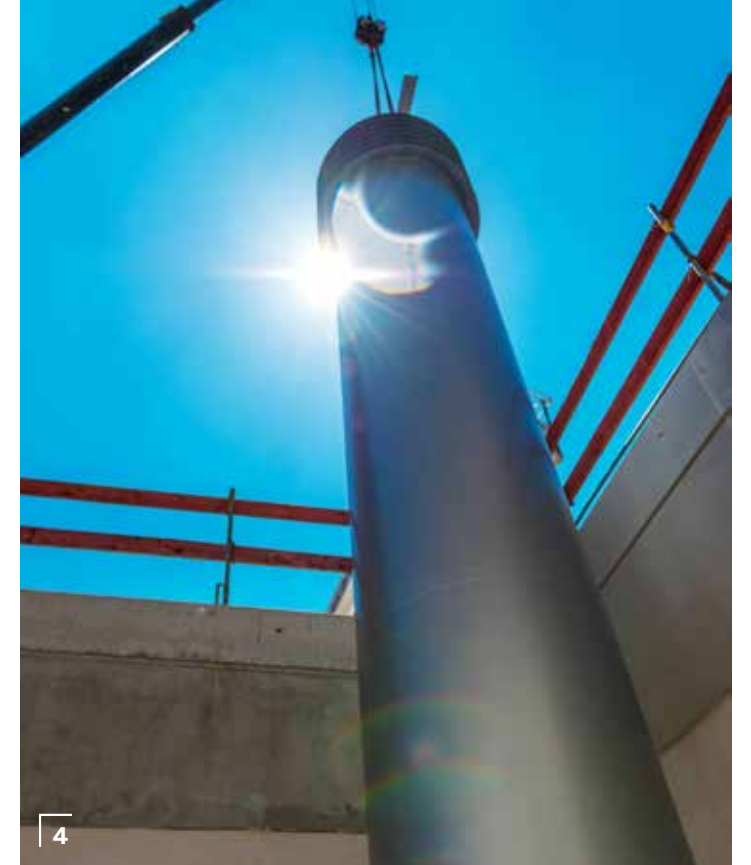
1 // Orientation and placement of a tower using the crane on the concrete base

2 // Ralf Schwunck, head of the installation team with sales manager West Christian Röslert after successful installation

3 // Crane unloading by the installation team Ralf Schwunck Pulheim

4 // Crane installation

5 // Professional crane unloading of one of the four louvre towers



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Excerpt from our reference list

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Max-Aicher-Arena	Inzell, Germany	St. Vincencius Clinics	Karlsruhe, Germany
BASF	Ludwigshafen, Germany	Mouson Tower	Frankfurt, Germany
Merck Pharma	Darmstadt, Germany	Claas Group	Krasnodar, Russia
BMW Research and Innovation Centre	Munich, Germany	E.ON Thüringer Energie AG Cogeneration Plant	Jena, Germany
IKEA	Berlin, Germany	Franz Josef Strauss Airport	Munich, Germany
The Squaire	Frankfurt, Germany	Hermes Schleifmittel GmbH	Hamburg, Germany
Porsche AG	Leipzig, Germany	WK Asia-Pacific Environmental Pte. Ltd.	Singapore
Opel AG	Leipzig, Germany	European Court of Auditors	Luxembourg
Audi AG	San José Chiapa, Mexico	ECE Projektmanagement GmbH	Berlin-Tempelhof, Germany
Volkswagen AG	Braunschweig, Germany	Airbus AG	Hamburg Finkenwerder, Germany
Volkswagen AG	Pozńán, Poland	CTF Solar GmbH	Dresden, Germany
Benninghoven GmbH & Co. KG	Mühlheim, Germany	Impress Decor GmbH	Berlin, Germany
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