



Hürner Luft- und Umwelttechnik

# Hürner Luft- und Umwelttechnik

Progressive. Reliable. Measurable.

GREEN FOR BLUE

[www.hlu.eu](http://www.hlu.eu)



Plastic Fans and Components



Plastic Equipment Construction




Plant Engineering



Maintenance and Service

Synergies with a system

# Expertise for a sustainable future

**Hürner Luft- und Umwelttechnik** (air and environment engineering),  **HLU** for short, combines unique fan and component knowledge with decades of experience in the field of supply and exhaust air systems and a great breadth of equipment know-how. We develop forward-looking system solutions that synergetically combine supply and exhaust air, exhaust air purification, sound and explosion protection, and energy efficiency.

Fan and component knowledge



Equipment know-how



Expertise in air and environmental technology



Project, maintenance and service expertise



## Specialists in corrosion-resistant plastics

Our ATEX-compliant plastic fans, components and equipment are used all over the world where maximum chemical resistance, reliability and durability are required.

## Great project and service expertise

Our considerable project expertise means we can support our customers in all supply and exhaust air tasks. We plan, manufacture and install unique, custom-fit solutions for you and support you with maintenance and service.

# Our values signpost the way forward

## Progressive.

We have been actively shaping the market since 1928. We are driven to recognise future trends and needs early on and to deliver solutions to tomorrow's challenges today. To achieve this, we have an average annual development budget of 340,000 euros and invest around 600,000 euros each year in state-of-the-art technology and in expanding our production facilities.

## Reliable.

Respecting commitments, deadlines and quality parameters 100 per cent is our top priority. Each of our 237 employees feels personally responsible for this. This important aspect of our culture is clearly reflected in our process and quality management, which enables us to systematically maintain and optimise our reliability and dependability.

## Measurable.

Our performance is measurable. From stock levels to delivery-date adherence and complaint rates, we place great importance on 100% transparency. The same is true at product level: with innovative sensors for predictive maintenance, we ensure continuous condition monitoring and complete transparency regarding the process reliability and performance of our systems and fans. Through this, we create safety, transparency and trust.

We are certified by:

- ISO 9001 certificate
- ISO 14001 certificate
- Water Resources Act (TÜV)
- Prequalification for public tenders
- SCC (occupational safety)
- Plastic welder certificates

# Increasing challenges call for foresight and strong partners

Virtually every industry faces economic, social and environmental challenges. Industrial companies must invest massively in environmental technology in order to meet energy and climate policy goals. At the same time, rising energy costs are eating into margins. Against this backdrop, you need to be particularly far-sighted when making investment decisions.

**The ability to recognise and exploit synergy potential becomes a crucial competitive advantage** – and **HLU** is happy to support you in this.

## We are here to help you!

With our products and services, we can support you in the areas of supply and exhaust air and of exhaust air purification. We can also assist you with maintenance and service for ventilation systems in the industrial, laboratory and commercial sectors. Our solutions meet the requirements for **chemical resistance** and **noise and explosion protection (ATEX)** and enable **significant energy savings through efficient heat recovery**.

With four divisions

**HLU** offers perfect solutions to all tasks.

## Plastic Fans and Components

Fans and ventilation components made of corrosion-resistant plastics for use with chemically contaminated exhaust air and in potentially explosive areas (ATEX compliant).



## Plastic Equipment Construction

Planning, construction, manufacturing and installation of plastic equipment and systems for custom requirements.



## Plant Engineering

Efficient environmental, surface and air handling technology. Customised units for extracting and cleaning highly aggressive exhaust air safely and return polluted to the environment. Supply and exhaust systems with heat recovery for sustainable protection of health and the environment.



## Maintenance and Service

Minimisation of failure risk of ventilation plants and systems in the industrial, laboratory and commercial sectors through maintenance and service.



# Present worldwide and on site when you need us

Ransbach-  
Baumbach

Hürner Luft- und  
Umwelttechnik  
GmbH

Schwalbach  
am Taunus

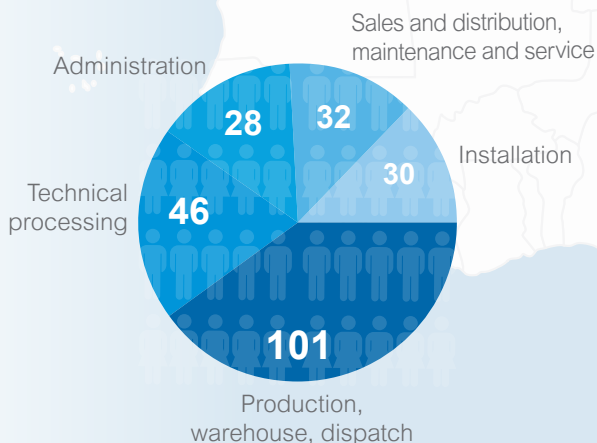
Hürner Luft- und  
Umwelttechnik  
GmbH

Mücke-Atzenhain

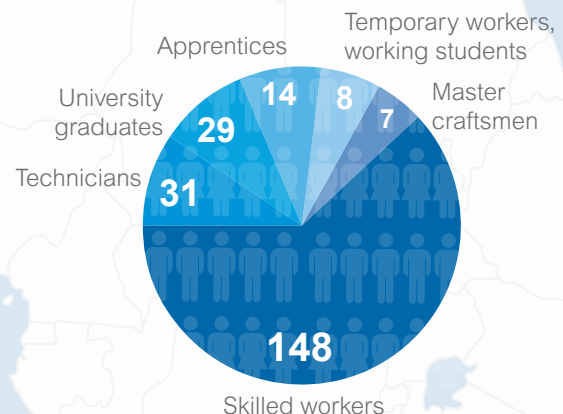
Hürner Luft- und  
Umwelttechnik  
GmbH

Nordatlantischer  
Ozean

**237**  
employees in 2025



**Training level**  
of employees in 2025



In order to guarantee you good accessibility, **HLU** is represented in numerous countries and can support you in all ventilation tasks. Competent and comprehensive.

Customers in 148 countries

- = Facilities
- = Subsidiaries

### Malaysia

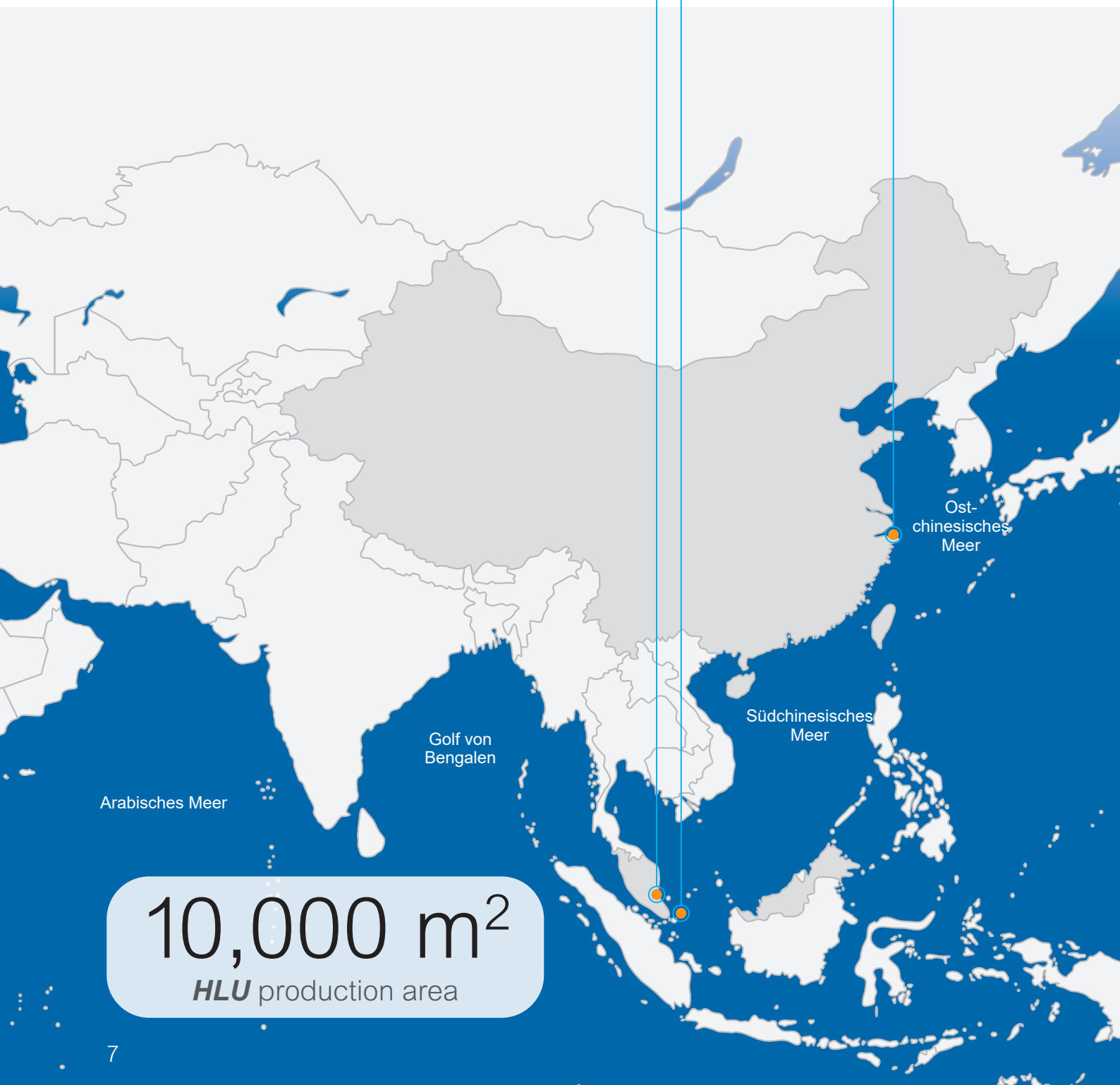
Huerner Funken  
Malaysia Sdn. Bhd.

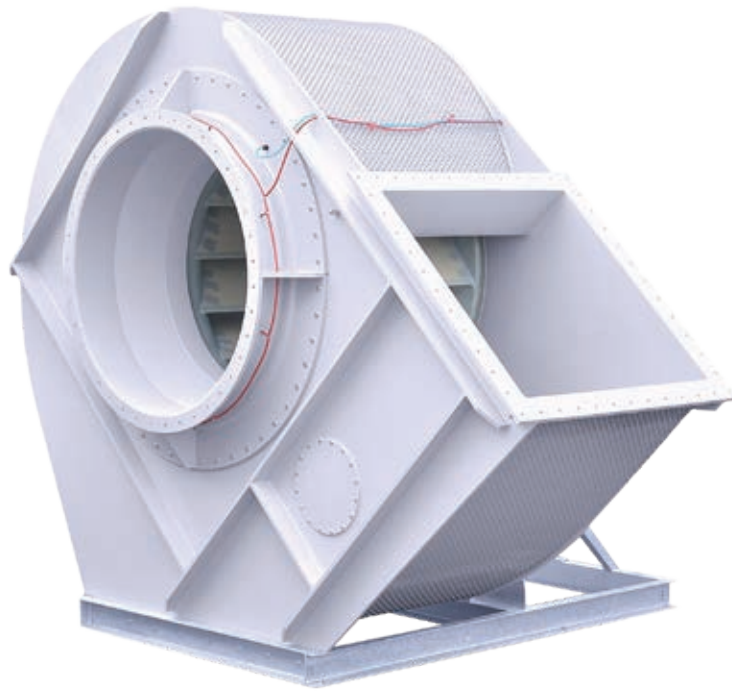
### Singapur

Huerner Funken  
Singapore  
Pte. Ltd.

### China

Huerner Funken  
Environmental  
(SuZhou) Co., Ltd.





Experts since 1928

# Plastic Fans and Components

**HLU** is a German manufacturer and specialist in fans and ventilation components made of **corrosion-resistant plastics** suitable for **chemically contaminated exhaust air** and in potentially explosive areas.

We translate our customers' requirements into **innovative solutions**. For example, 3D dimension sheets and QR codes on the fan nameplates are a matter of course for us, meaning the individual data card, spare parts list, declaration of conformity and operating instructions can be called up at any time.



20 m<sup>3</sup>/h



150.000 m<sup>3</sup>/h

**Our high stock levels ensure the shortest possible delivery times,** so we are a valuable and reliable partner especially in time-critical projects.

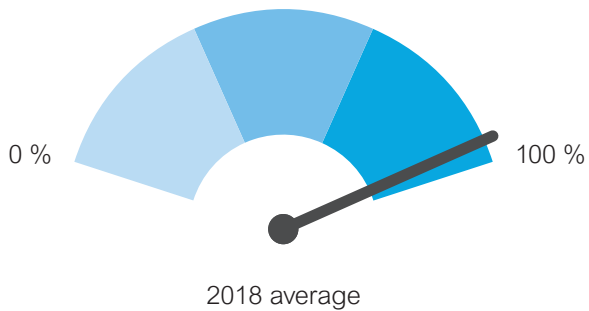
1000  
motors

1400  
impellers

800  
casings

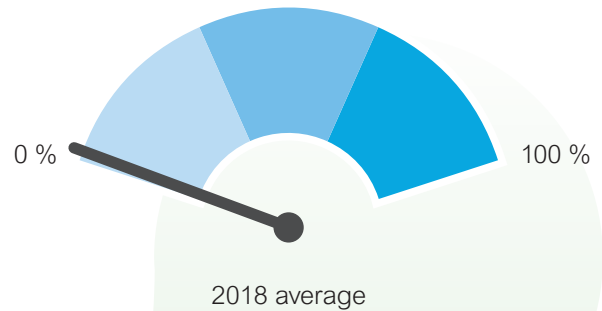
Delivery-date adherence

96 %



Complaints

1 %



Some of the areas where **HLU** fans are used:

- Chemical industry
- Food industry
- Electroplating industry
- Laboratory buildings
- Universities
- Research institutes

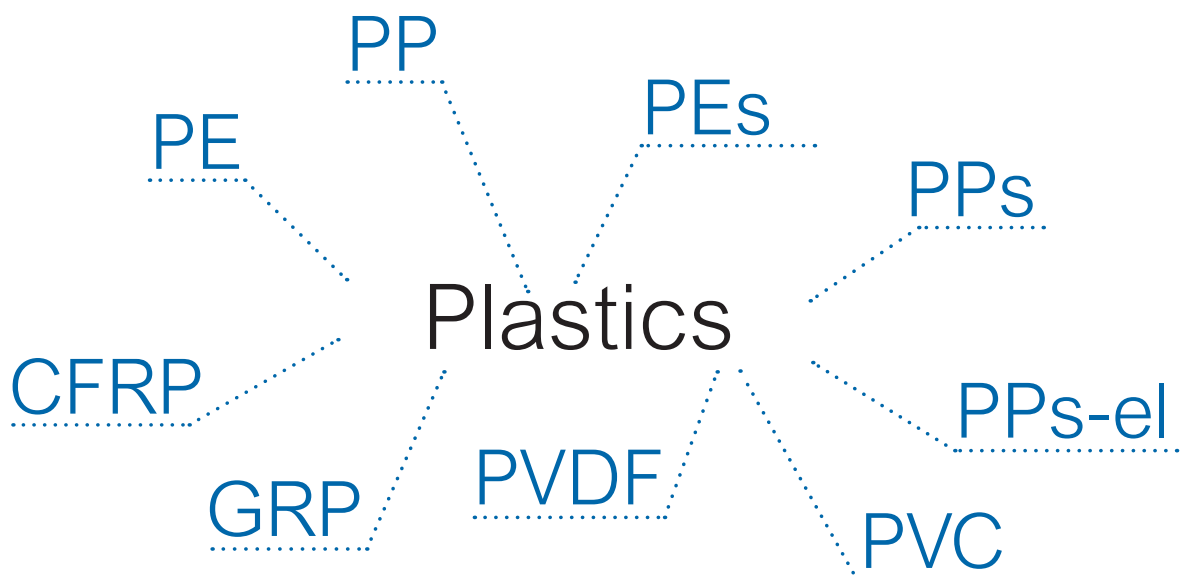
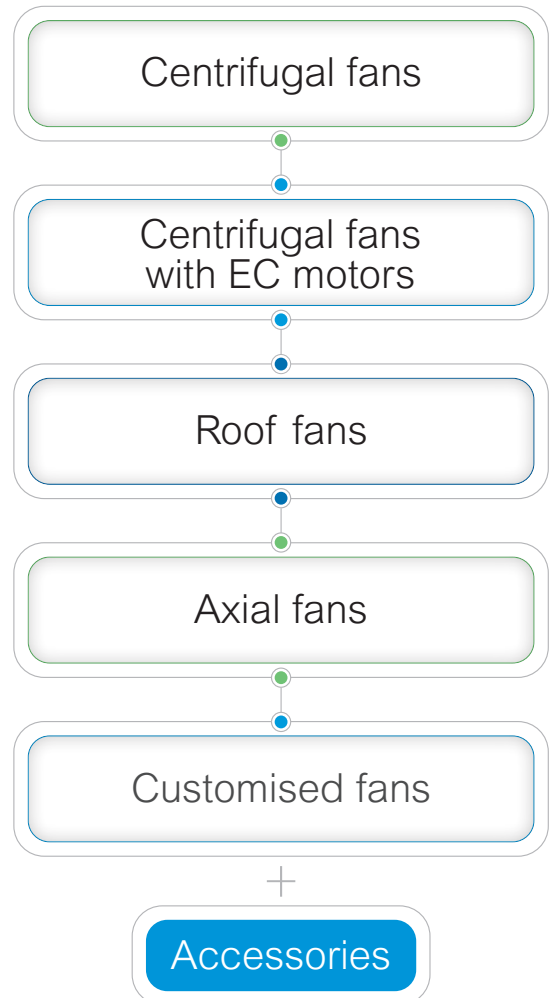
## Plastic Fans and Components

In addition to **fans**, our **exhaustive range of components** includes components for all kinds of requirements, such as predictive maintenance, and control and instrumentation (C&I) engineering, sound insulation and airtight shut-off.

Further accessories such as inspection covers, pipes, duct and shaped parts, and roof attachments complete our portfolio.

**HLU** manufactures in its own plants in Germany – quality made in Germany.

Quality control is carried out in accordance with DIN ISO 9001 and TÜV standards.





Tailor made and economical

# Plastic Equipment Construction

**HLU** is an experienced and well recognised specialist company that can assist you with your individual requirements in accordance with the German Water Resources Act (WHG).

Following your specifications, we plan, construct and install **equipment and systems made of corrosion-resistant plastics that meet your requirements** and ensure compliance with country-specific legal regulations at all times.

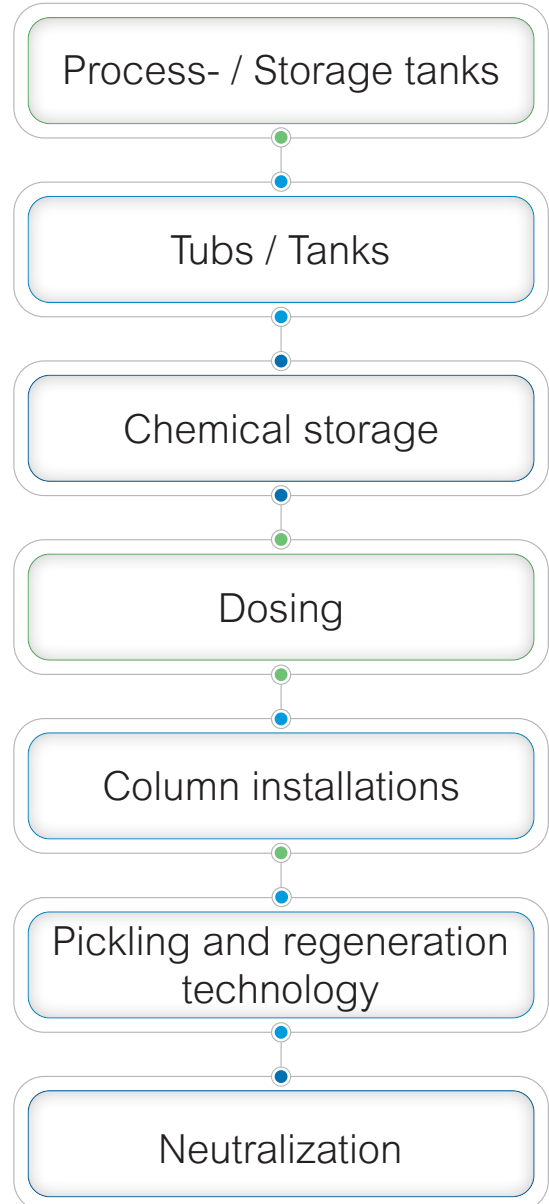
Our product range includes exhaust air scrubbers, laboratory gas scrubbers, tanks, evaporators, spin separators and inertia droplet separators.

Our solutions are mainly used in wet chemical processes and have proven their worth in the following areas:

- Chemistry/pharmaceutical
- Semiconductor, solar and surface technology
- Waste and waste-water technology
- Composting
- Textile and food industry

Talk to us about your needs: we will find technically and economically compelling solutions to your special challenges.

## Plastic Equipment Construction



## Energy-efficient plastic central exhaust air units



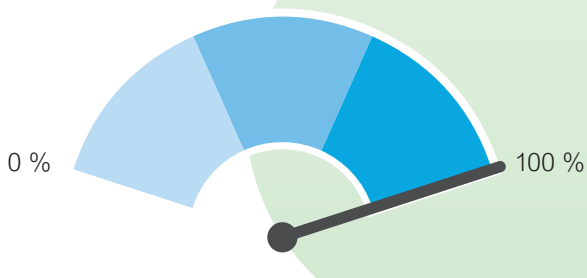
**HLU's** central air handling units have a proven record in the industrial sector for chemically contaminated industrial and process exhaust air.

Thanks to innovative heat-recovery concepts, plastic central air handling units enable **heat recovery** of 68% in accordance with DIN EN 308. They meet the requirements of the Ecodesign Directive of 2018 and are TÜV tested in accordance with DIN EN 1886.



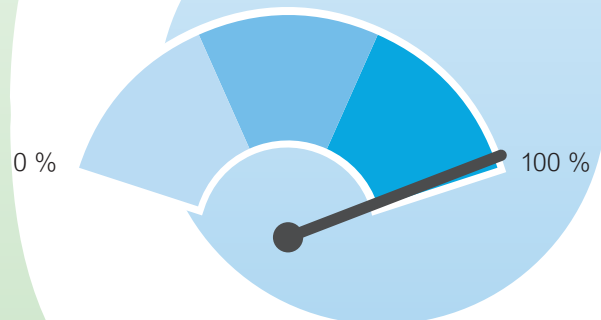
Compliance with construction budgets – project management

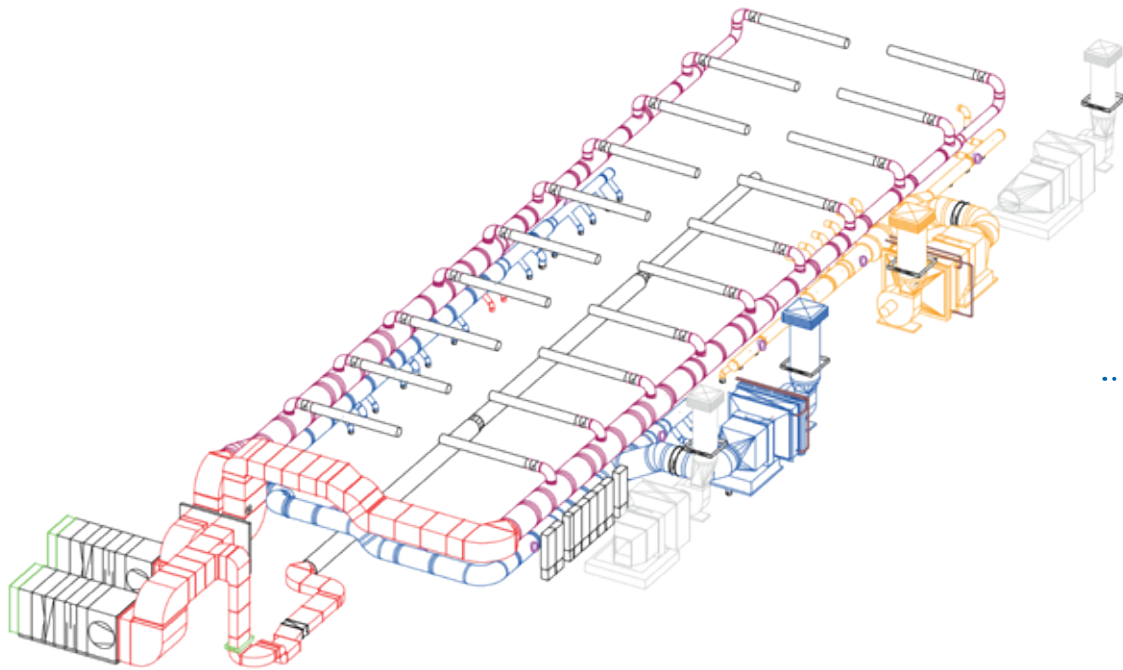
100 %



Compliance with construction deadlines – project management

98 %





Resource-saving solutions for safety and comfort

# Plant Engineering

The requirements for occupational safety, environmental protection and health protection are constantly increasing and require measurably effective provisions in buildings and industrial plants.

With energy- and resource-efficient supply and exhaust air systems, **HLU** helps you to meet your current challenges.

Environmental Technology

Surface Technology

Air Handling Technology

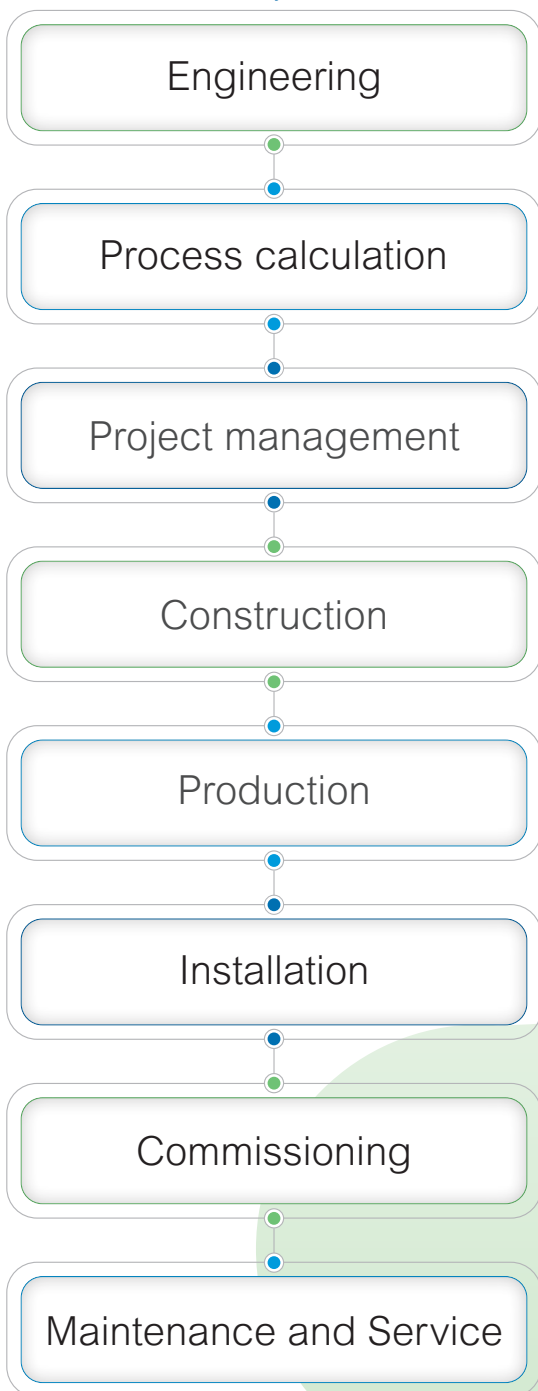
## Comprehensive service for measurable satisfaction

Our services range from **planning** supply and exhaust air systems, **process development**, and component **project planning and production** to **installation and maintenance**.

We place a team with a high level of expertise and flexibility at your service, to ensure your installation is completed on time and within budget and to support you in achieving your goals.

## Installation and Commissioning of your Plants

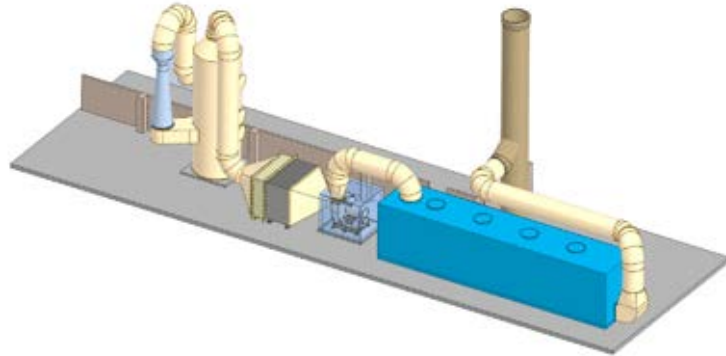
Your project is looked after by our qualified project managers and lead technicians. This way, we can ensure that the specified schedule as well as all planning and technical construction requirements are adhered to. Our top priority is meeting the agreed project targets.



We maintain direct contact with the construction management on site. Here, we place great importance on harmonious cooperation between the trades involved. This contributes greatly to the successful completion of your construction project.

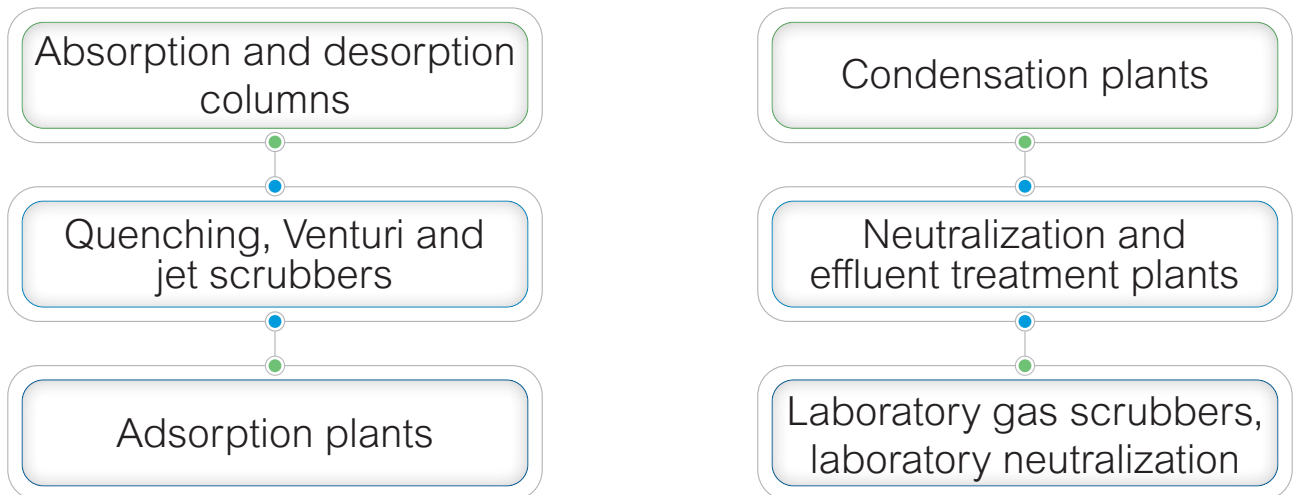
After the professional commissioning and fine adjustments of your project, we hand over a safe and efficient plant, aligned to meet your exact needs.

# Environmental Technology



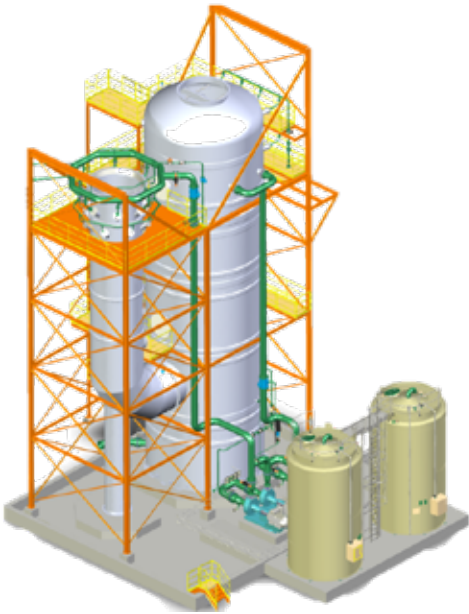
Every solution starts with the right concept. Our technicians and engineers have a vast number of process engineering approaches at their disposal which they have utilised with success over the years, and which are adapted to the respective use case.

We use modern design programs and databases to calculate the perfect application concept for the selected processes. In this way, we can guarantee that the plants are constructed to the exact dimensions required and in a way that is fit for the future.



Our wealth of experience also includes combinations of several processes or technologies relating to environmental technology.

This expertise makes HLU a valued point of contact, also and in particular for sensitive projects and sophisticated processes.



## Flue Gas Cleaning

- Injection coolers
- High-temperature applications
- Sludge incineration

## Process Gas

- ATEX plants
- Ethylene oxide EO
- Hydrofluoric acid system for sulphuric acid plants
- Gas dryer for sulphuric acid plants
- Hydrochloric acid recovery
- Sulphuric acid recovery
- Sulphur trioxide aerosol separator

With perfect planning to the finest detail, we implement the most challenging environmental technology projects without any fuss.

- Chemical industry
- Semiconductor industry
- Energy and environmental technology
- Steel industry
- Pharmaceutical industry
- Metallurgy

Based on their comprehensive training, our project managers are capable of coordinating even the most complex projects and bringing them to completion on time.

Quality management is not just a empty phrase we use; it is our guiding principle.



# Surface Technology

In surface technology, electroplating production processes generate contaminated air which can endanger people and the environment. To counteract these hazards, these contaminants must be collected and purified in exhaust air systems which are specially coordinated with the process in question.

HLU offers custom solutions for **exhaust air purification** and **heat recovery** which are characterised by their high degree of **efficiency** and sustainability.

With our extensive specialist knowledge and many years of experience, we plan, design and assemble tailored exhaust air systems which are specially adapted to the needs of our customers.

- Electroplating
- Chemical industry
- Pharmaceutical industry
- Metal processing
- Semiconductor industry

## Exhaust Air Purification

**Exhaust air scrubbers** and chemically resistant **fans made of plastic** for surface technology.

Our exhaust air scrubbers ensure that the legal limit values according to the TA Luft regulation are not exceeded.



## Proactive Maintenance

To prevent production downtime, we offer the option of fitting our fans and exhaust air scrubbers with state-of-the-art sensor technology.

With the **HLU smart or easyControl system, which we developed ourselves**, you can monitor all parameters such as vibrations, temperatures and operating speeds.

In this way, we can reduce component downtime to a minimum and guarantee a continuous and safe production operation.



## Heat Recovery and Energy Efficiency

A key cost factor in surface technology production operations is the energy requirement.

The ever-increasing costs for electricity and heat make it necessary to utilise efficient solutions.

With **corrosion-resistant plastic exhaust air heat exchangers**, HLU offers an efficient heat recovery option.

This technology allows you to recover a large proportion of heat from the exhaust air and use it to pre-heat the supply air.

This means that you can save a significant amount of energy and reduce the consumption of fossil fuels by a considerable degree.



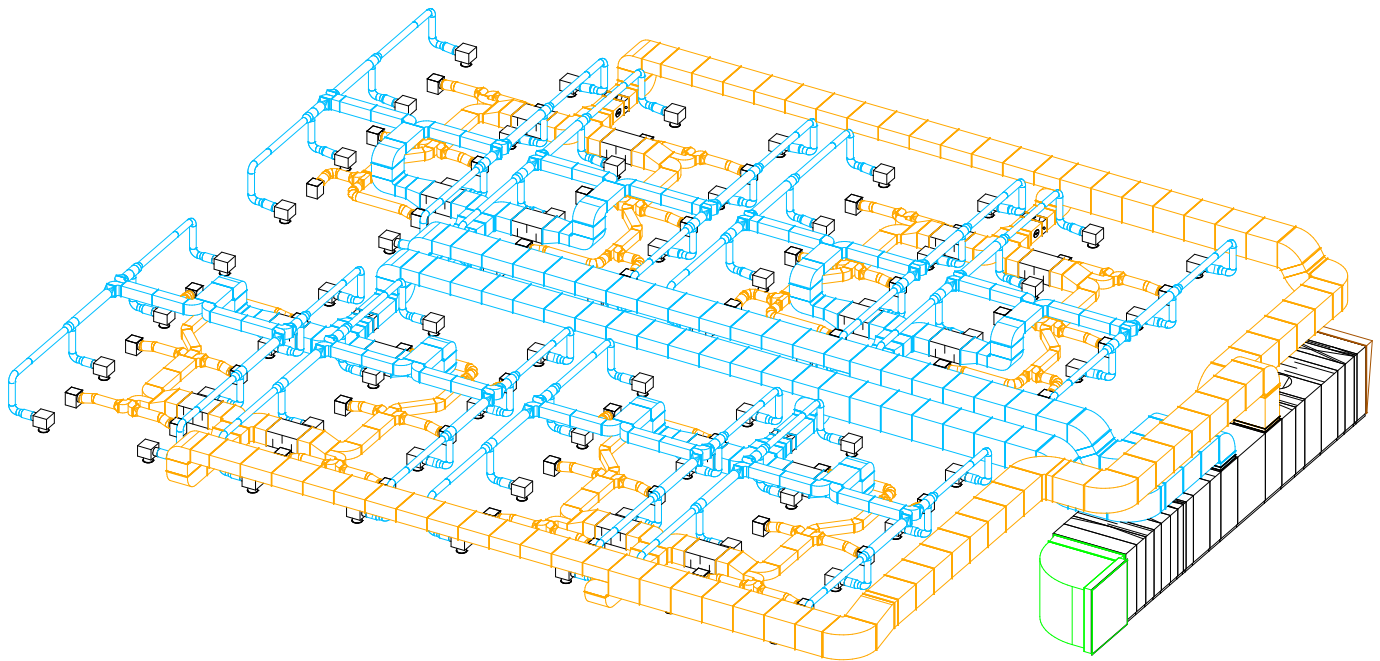
# Air Handling Technology

## Healthful air conditioning and ventilation technology

With energy- and resource-efficient supply and exhaust air systems for industrial and process ventilation, laboratory ventilation and air conditioning, and hospital ventilation and air conditioning, HLU supports you in your current challenges.

In the comfort sector, our supply and exhaust air systems ensure comfort and wellbeing. You will receive a system that is precisely matched to the building and the way it is used.

After commissioning and adjustment, we hand over to you a reliable, consumption-optimised air conditioning and ventilation system that perfectly meets your requirements.





## Industrial Air

Today, energy saving, lowering operating costs, environmental protection and occupational safety are crucial factors in the industry.

HLU develops tailored supply and exhaust air systems which safely remove dust, paint mist and toxic vapours. In this way, we protect employees and the environment and at the same time optimise the energy efficiency of your production operations.



## Medical and Laboratory Air

The pharmaceutical industry, laboratories and hospitals have the strictest requirements when it comes to safety and hygiene.

With tailored supply and exhaust air systems, HLU provides sterile conditions and, where necessary, complies with biological safety levels S1–S3 as well as the clean room technology requirements.



## University and School Air

Good air quality is key to ensuring a productive learning environment. Schools, colleges and universities benefit from HLU ventilation systems which remove contaminants, regulate heat and moisture, and supply rooms with fresh air in an energy efficient manner.



## Comfort Air

Shopping centres, offices, museums and hotels all have one thing in common: a pleasant indoor climate increases comfort and the quality of your stay.

HLU makes use of customised ventilation systems for optimum temperature, humidity, and minimal noise and particle pollution – achieving both peak comfort and a high level of energy efficiency.



On site when you need us

# Maintenance and Service

For maximum process reliability with a minimum risk of failure, you need a powerful and reliable on-site partner.

With our comprehensive range of services, we are always there when fast and reliable solutions are needed.

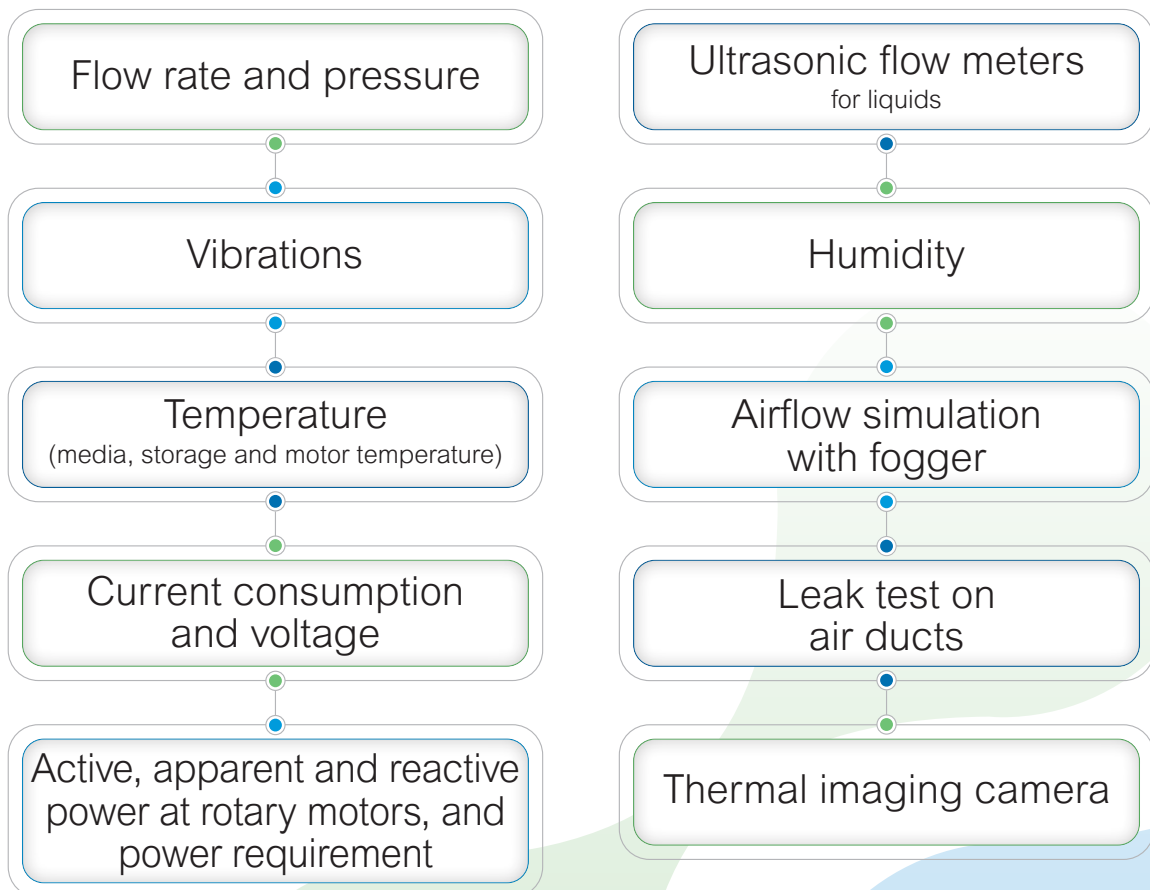


- ..... Maintenance
- ..... Detailed measurement of all relevant parameters
- ..... Repairs
- ..... Spare parts procurement
- ..... Installation work

## Maintenance is the best prevention

Almost any malfunction can be prevented by early fault detection, so good and regular maintenance is important. With over 90 years' experience and **state-of-the-art measurement technology**, we ensure **safety** and make certain that your ventilation systems operate efficiently and reliably. Should faults nevertheless occur, we are available around the clock to find the right solution for you.

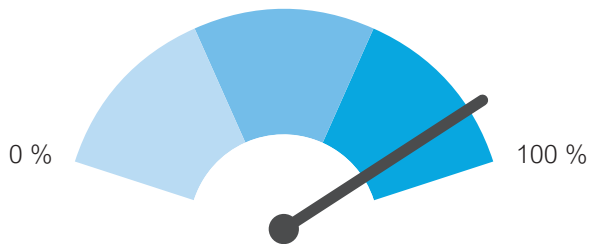
### Predictive Maintenance – state-of-the-art measurement options for maximum safety



## Maintenance and Service

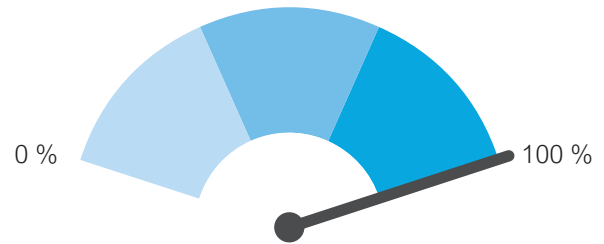
Reduction of downtime through regular maintenance

up to **90%**



Satisfied maintenance customers

**100%**

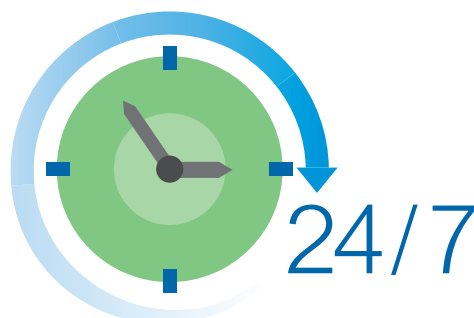


### Monitoring with **HLU** sensors

State-of-the-art sensor technology means the condition and performance of your installations and fans can be continuously monitored, for maximum process reliability and efficiency.

The measured data on temperature, pressure, flow rate, current consumption and vibrations can be retrieved from any location via the **HLU** cloud solution.

Our 24h service is available right around the clock



# Team

We are proud of our professional and highly committed team of qualified and experienced employees. Thanks to them, we can assure our high performance in planning, manufacturing and installing complete ventilation systems – from supply air to exhaust air.

We organise our employees' training and development in our in-house **HLU** Coaching Academy. Our engineers, plastic welders, technicians and consultants deepen and update their knowledge regularly in professional development courses. In this way, we safeguard our innovative strength and continue to develop the progressive services with which we provide you with reliable support.

We have firmly anchored our values in our corporate and management culture. Our thoughts and actions are based on these values:

**Progressive. Reliable. Measurable.**

We set responsibilities, deadlines and prices bindingly and unambiguously before a project starts. This allows us to create transparency for you, reduce the number of contact people and unnecessary costs, and optimise the project length.



**Dr. Ralph-Dieter Schrey**  
Managing Director  
Head of Finance



**Lars Roßkothen**  
Managing Director  
Head of Sales and Marketing



**Peter Fisches**  
Managing Director  
Head of Technology and  
Plant Engineering

## Fans and Components



**Hartmut Groh**

**Division Manager Fans**

Tel. +49 6401 9180 - 137

Mobile +49 171 620 0476

Email h.groh@hlu.eu



**Adrian Costiniuc**

**Head of International Sales**

Tel. +49 6401 9180 - 162

Mobile +49 151 4001 1017

Email a.costiniuc@hlu.eu



**Sarah Di Cicco**

**Head of International Sales East-Asia**

Tel. +49 6401 9180 - 132

Mobile +49 171 934 3439

Email s.dicicco@hlu.eu



**Christoph Reimers**

**Head of International Sales East-Asia**

Tel. +49 6401 9180 - 174

Mobile +49 160 725 4822

Email c.reimers@hlu.eu

## Kunststoffapparate- und Anlagenbau Environmental Technology



**Björn Brosda**

**Division Manager Environmental Technology**

Tel. +49 2623 92959 - 48

Email b.brosda@hlu.eu



**Matthias Fachinger**

**Division Manager Environmental Technology**

Tel. +49 2623 92959 - 42

Email m.fachinger@hlu.eu

## Air Handling Technology



**Christian Litzinger**

**Division Manager Plant engineering**

Tel. +49 6401 9180 - 242

Mobile +49 160 516 8892

Email c.litzinger@hlu.eu



**Björn Litzinger**

**Division Manager Plant engineering**

Tel. +49 6401 9180 - 243

Mobile +49 160 9497 3142

Email b.litzinger@hlu.eu

## AHU made of plastic



**Manuel Langstroff**

**Technical Sales**

Tel. +49 6401 9180 - 124

Mobile +49 175 401 9731

Email m.langstroff@hlu.eu



**Julian Werner**

**Technical Sales**

Tel. +49 6401 9180 - 236

Mobile +49 151 1620 7087

Email j.werner@hlu.eu

## Surface Technology



**Kevin Schäfer**

**Technical Sales**

Tel. +49 6401 9180 - 227

Mobile +49 175 521 9485

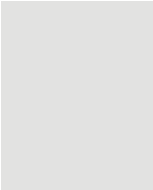
Email k.schaefer@hlu.eu

## Maintenance & Service

AHU and refrigeration + C&I



**Torsten Baumgarten**  
**Division Manager Sales and Technology**  
Tel. +49 6978 9900 - 26  
Email [service@hlu.eu](mailto:service@hlu.eu)



**Ivan Pintaric**  
**Division Manager Maintenance and Service**  
Tel. +49 6978 9900 - 20  
Email [service@hlu.eu](mailto:service@hlu.eu)

Repairs, maintenance and spare parts for plastic fans and components



**Thomas Schmitt**  
**Technical Sales**  
Tel. +49 6401 9180 - 116  
Mobile +49 175 404 8021  
Email [t.schmitt@hlu.eu](mailto:t.schmitt@hlu.eu)

For news and insights, follow us on our social media channels



# Hürner Luft- und Umwelttechnik GmbH

Ernst-Hürner-Straße  
35325 Mücke-Atzenhain

Tel. +49 6401 9180 - 0  
Fax +49 6401 9180 - 142

[info@hlu.eu](mailto:info@hlu.eu)  
[www.hlu.eu](http://www.hlu.eu)