



Perfect climate for Indoor Farming.

The basis for
ideal growth.

weiss-technik.com

Create ideal growing conditions.

For your healthy plants and insects.



Our world is facing enormous challenges: population growth, global warming and the loss of arable land and fresh water. With Indoor Farming and **weisstechnik** air-conditioning solutions, we can jointly tackle this challenge in a sustainable way.

The growing agriculture of the future.

In order to be able to produce enough food for tomorrow, new ideas and methods are needed today. Vertical Farming solutions cultivate plants and insects in vertical layers, close to or even in the middle of city centres of large metropolitan areas. Unlike in a typical greenhouse, these crops do not depend on natural light, but are instead grown with LED lights under optimal conditions.

Controlling the climate most prosperously.

Vertical farms employ different cultivation methods, but they do have very similar requirements. Only if temperatures, humidity levels and airflow levels are precisely adjusted, the plants can grow optimally. Exactly for this, we have developed special air-conditioning solutions, which intelligently use waste heat to operate the dehumidification effectively and reliably.

Using our expertise for your fruitful future.

Understanding individual requirements, implementing flexible solutions.

Thanks to our many years of experience in both Vertical Farming and climate solutions, we know exactly what it comes down to.

Complete intelligent solutions for your indoor farm.

Our compact, extremely powerful air-conditioning solutions offer flexible airflow and connection options. Intelligent control systems reliably ensure precise control and monitoring of temperature, CO₂ and humidity requirements. Also, our units meet the highest hygiene standards, such as those of VDI 6022. With our global service network we implement your project wherever you wish – worldwide and individually customised. Complete, everything from a single source.

We are here for you:

- Competent consulting for planning and solution finding
- Development in partnership from the idea to large-scale production
- Individual equipment and facility engineering
- Global network for consulting, production and service

Our solutions for Indoor Farming:

- Full air-conditioning units
- Precision air-conditioning units
- Control systems
- Facility engineering



Your advantages:

- Flexible air-conditioning, scalable for your requirements
- Optimal temperature and humidity in the growth room
- More cost-effectiveness through energy efficiency
- Highest hygiene standards in the breeding area

Growing together with 360-degree expertise.

Flexible service modules from weissttechnik for all your individual air-conditioning-related development phases.

Consulting and planning.

Our planning team will advise you comprehensively on technical possibilities, process requirements and normative specifications. We prepare basic evaluation, preliminary planning, feasibility study, profitability calculation, master plan, design and implementation planning.

Individual concept development.

We support you and together we will find the perfect solution for your concept. In doing so, we always think flexibly and adapt to your requirements - even if these change during the course of the project. Whether optimisation, scaling or system conversion - you can count on us.

Agile project management.

Thanks to proven engineering and development processes, we ensure the smooth determination and implementation of all requirements. Hereby, we work with agile project management methods and selected data processing systems such as 3D, CAD, BIM and simulations.

Design and execution.

During construction, we use our product portfolio, which meets the highest air-conditioning requirements. Our many years of experience in the data centre sector helps us to combine highest energy efficiency and optimal air-conditioning - individually adapted to your requirements.

Installation service and commissioning.

We are also extremely efficient in the service we provide for you. We thus ensure the fast and professional installation and safe commissioning of the systems. All service employees are excellently qualified and - thanks to regular training - always up to date with the latest technical and normative knowledge.



Aftersales service worldwide.

We provide fast and professional support for our equipment and systems throughout their entire life cycle. You benefit from our large stock of spare parts and our global network of highly trained service specialists.

With our flexible service modules, you can benefit from our comprehensive know-how. Always when you need it, and always exactly the way you require it: in individual project steps, with components or with us as general contractor.

Turnkey solutions from a single source:

- New development of air-conditioning solutions/control systems
- Conversion and modernisation of existing systems
- Special solutions for individual requirements

Always up to date!

In order to meet all requirements at any time, we always keep an eye on all relevant standards, laws and directives for you. We actively participate in standards committees and consistently train our specialists. In this way, we realise solutions that are as reliable as they are future-proof.

We measure ourselves by our service.

We think and act collaboratively service-oriented. With our service teams, we offer sustainable solutions for long-term safe system operation.



Our services -
lots of good reasons:

- Global service network
- Wide selection of preventive maintenance
- Reliable spare part supply
- Special deployments available any time
- Certified proper disposal of outdated devices

Our Service Experts are always near you.

24/7-Service-Helpline:
+49 1805 666 556

Expert advice.

Our experienced experts are ready to support you from the first idea to after-sales service in every step of your project, by telephone or on the spot.

Maintenance and servicing.

We offer different service levels and guaranteed reaction times after the receipt of the fault report. Our full maintenance service provides additional safety with calculable costs.

Spare parts management.

Many spare and wearing parts are directly available in our warehouse. To further increase operational reliability, selected spare parts can additionally be stocked on site. We would be pleased to advise you further.


Instruction and training.

We provide regular trainings covering the application, operation and software of the units. We also offer customer-specific workshops on request at your location.

Simply everything under control for you.

Control unit. Emergency service. Maintenance.

intelli.4 - our smart control for your optimum room climate.





- Simple and intuitive operation
- Almost unlimited expandability of I/Os and components
- Can be networked with common communication and fieldbus protocols of other products
- Easy scalability of visualisation and operation
- Focus on flexibility during the entire life cycle of the units and systems

Vindur® Cockpit - our intelligent service tool for your safety.

Fast reaction in case of a malfunction.

Fast actions are required if air-conditioning systems in critical infrastructures malfunction. Your installed units are in contact with our service centre via reliable, user-friendly remote access services provided through an encoded VPN tunnel. This enables us to react immediately to an incident. We determine the best procedure on the basis of the data and guarantee prompt, professional intervention.

Maintenance operations with highest security standards.

Thanks to the extensive parametric data and measurements of the units, our experts can accurately isolate and diagnose any operating condition. In the event of an on-site operation, our technicians are thus faster and more effective.



The protection of your data is also a top priority for us: we ensure a secure connection and implement reliable security measures and the highest IT security standards.

Passionately innovative.

We work in partnership to support companies in research, development, production and quality assurance.
With 22 companies in 15 countries at 40 locations.

weisstechnik

For a safe future.



Environmental Simulation

The first choice for engineers and researchers for innovative, safe environmental simulation facilities. In fast motion, our test systems can simulate all the influences in the world as well as for instance in space. In temperature, climate, corrosion, dust or combined stress tests. With a very high degree of reproducibility and precision.



Air Solutions

As the leading provider of clean rooms, climate technology and air dehumidification, we consistently ensure optimal climatic conditions for people and machines. For industrial production processes, in hospitals, mobile operation tents or in the field of information and telecommunications technology. From project planning to implementation.



Heat Technology

Experienced engineers and designers develop, plan and produce high-quality, reliable heat technology systems for a broad range of applications from heating and drying cabinets to microwave systems and industrial furnaces.



Pharmaceutical Technology

With decades of experience and know-how, we guarantee the most sophisticated clean air and containment solutions. Our comprehensive and innovative range of products includes barrier systems, laminar flow systems, safety workbenches, isolators, airlocks and stability test systems.



Click here
to see the product.

Weiss Klimatechnik GmbH

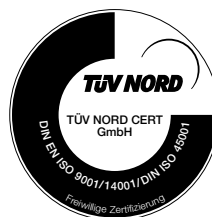
Greizer Straße 41-49

35447 Reiskirchen/Germany

T +49 6408 84-0

thermalmanagement@weiss-technik.com

weiss-klimatechnik.com



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Passion for Climate.

Illustrations may contain options.
Subject to technical changes.

