

**SUSTAINABLE
HALL CONDITIONING**
365 DAYS OF COMFORT



Welcome to the future of hall conditioning

**Conventional thinking belongs to the past.
A new era begins – bringing an end to inefficient systems.**

Yesterday's building technology can no longer meet today's demands. Rising temperatures, airtight buildings, and increasing automation place new pressure on facilities – while the energy market adds even more uncertainty. Yet many still rely on traditional compression cooling: expensive to install, complex to maintain. And with climate-damaging refrigerants, part of the problem, not the solution.

Sustainable Hall Conditioning – the abandonment of compromise technology.

The key questions to be asked are:

- + **How can hall temperatures be kept under control in a cost-effective way?**
- + **How can both people and machines be protected – without additional cost?**
- + **How can fresh air enter the hall without wasting heating or cooling energy?**
- + **And finally: Is there a system for this that not only works, but also thinks ahead?**

CAN THIS ALSO BE ACHIEVED IN A SUSTAINABLE AND ECONOMICAL WAY?



Our sustainable indoor climate control cut costs and reduce environmental impact – a true step forward for companies looking ahead.

Christian Lindner
Founder & CEO

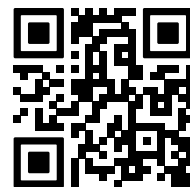


We are rethinking indoor climate control.
Not as an individual measure, but as a system:
Stable. Efficient. Clean. Residue-free.

Instead of oversized cooling machines:
+ consistent temperature control
+ healthy fresh air
+ no toxic or flammable refrigerants
+ less downtime, less risk – more control

Sustainable hall conditioning is not just a technical component – it's a shift in perspective

SCAN FOR INNOVATION!

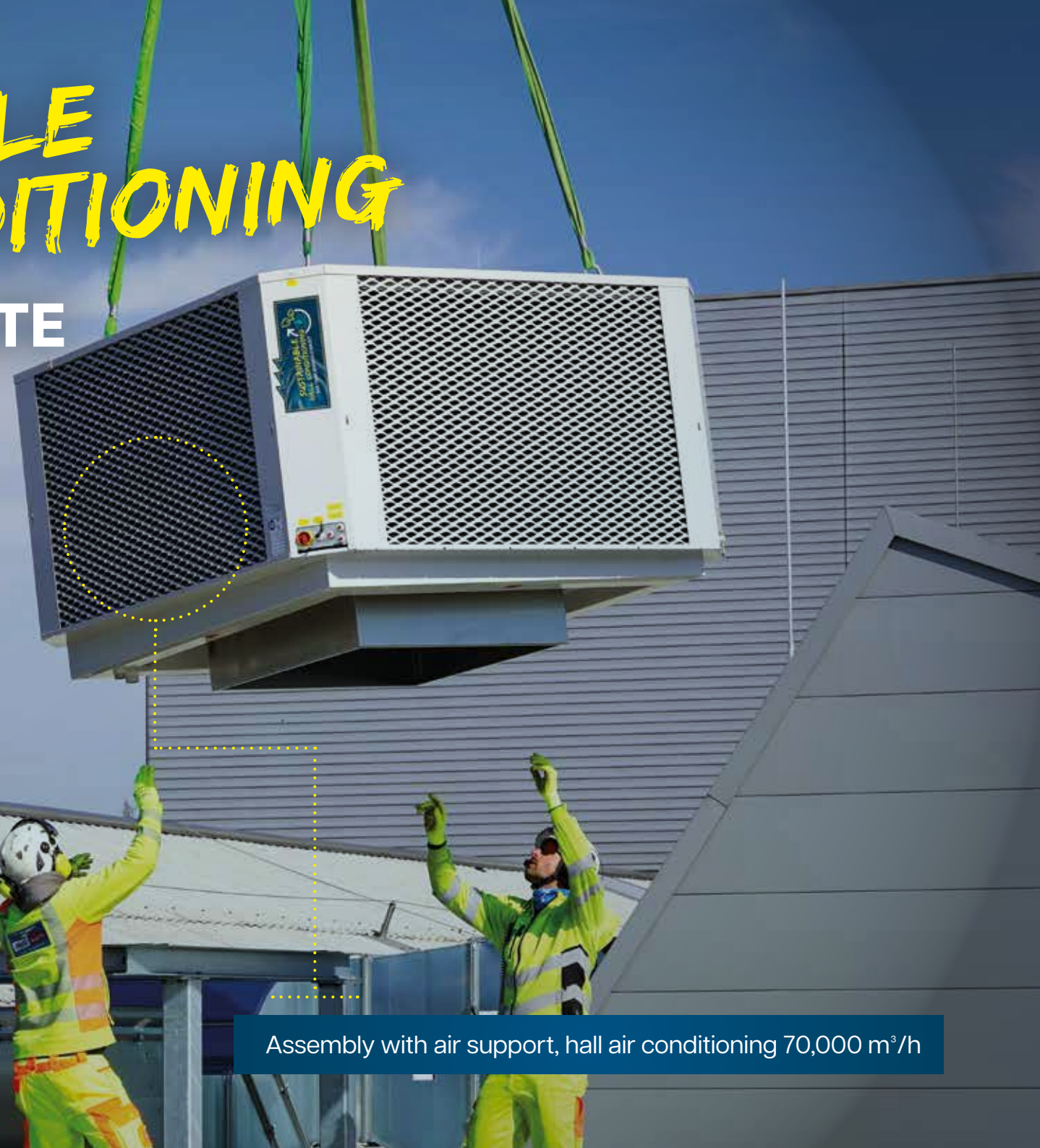


+ DISRUPTION
-95 % ENERGY,
-95 % CO₂



SUSTAINABLE HALL CONDITIONING

FOR THE ULTIMATE HALL CLIMATE



Assembly with air support, hall air conditioning 70,000 m³/h

Gamechanger for overheated halls

A comprehensive modular system paired with technologies that break the status quo. This creates indoor conditions that remain ideal all year round – no matter how hot it gets outside. And all without worrying about skyrocketing operating costs or outdated cooling methods. Efficiency, cost-effectiveness, and environmental protection finally come together as one.

How does this sound: **19 °C supply air at an outside temperature of 37 °C** – and all without expensive energy and refrigerants? This is what modern hall air conditioning looks like at INFRANORM®.

The future won't wait – it starts now!

- + Stable production conditions
- + Comfortable conditions 365 days a year
- + Sustainable and ESG-compliant
- + Modular und flexible
- + Industrial quality and upgradeable
- + No F-gases, PFAS, or hazardous refrigerants
- + 100 % fresh air
- + Up to 95 % less cooling and 40 % less heating costs
- + Up to 95 % less CO₂
- + Planning reliability through simulation

SCAN THE CODE ...

and experience hall cooling in a whole new way –
without refrigerants and without compromise!



Economical cooling
Up to 95 % reduction in energy costs
Up to 95 % reduction in CO₂ emissions
compared to compression cooling
Limiting the maximum room humidity



Precision air conditioning
Up to 60 % smaller refrigeration unit
Up to 60 % lower CO₂ emissions and
operating costs, Humidification and
dehumidification



Heating
Heat pump, electricity
Gas, hot water



Precision air conditioning
Pressure control, maximum fresh air
volumes, odor reduction



Cooling with photovoltaics
CO₂-neutral and energy-self-sufficient
cooling



Pre-cooling & retrofit
Upgrade for existing systems
Replacement of cooling systems



Heat recovery
Process waste heat utilization
Heat exchanger systems
Circular flow systems
Ventilation without heating costs



Industrial air purification
Layer & displacement systems
Integrated heating, cooling, fresh air, ...

Revolutionary system combines economy and ecology

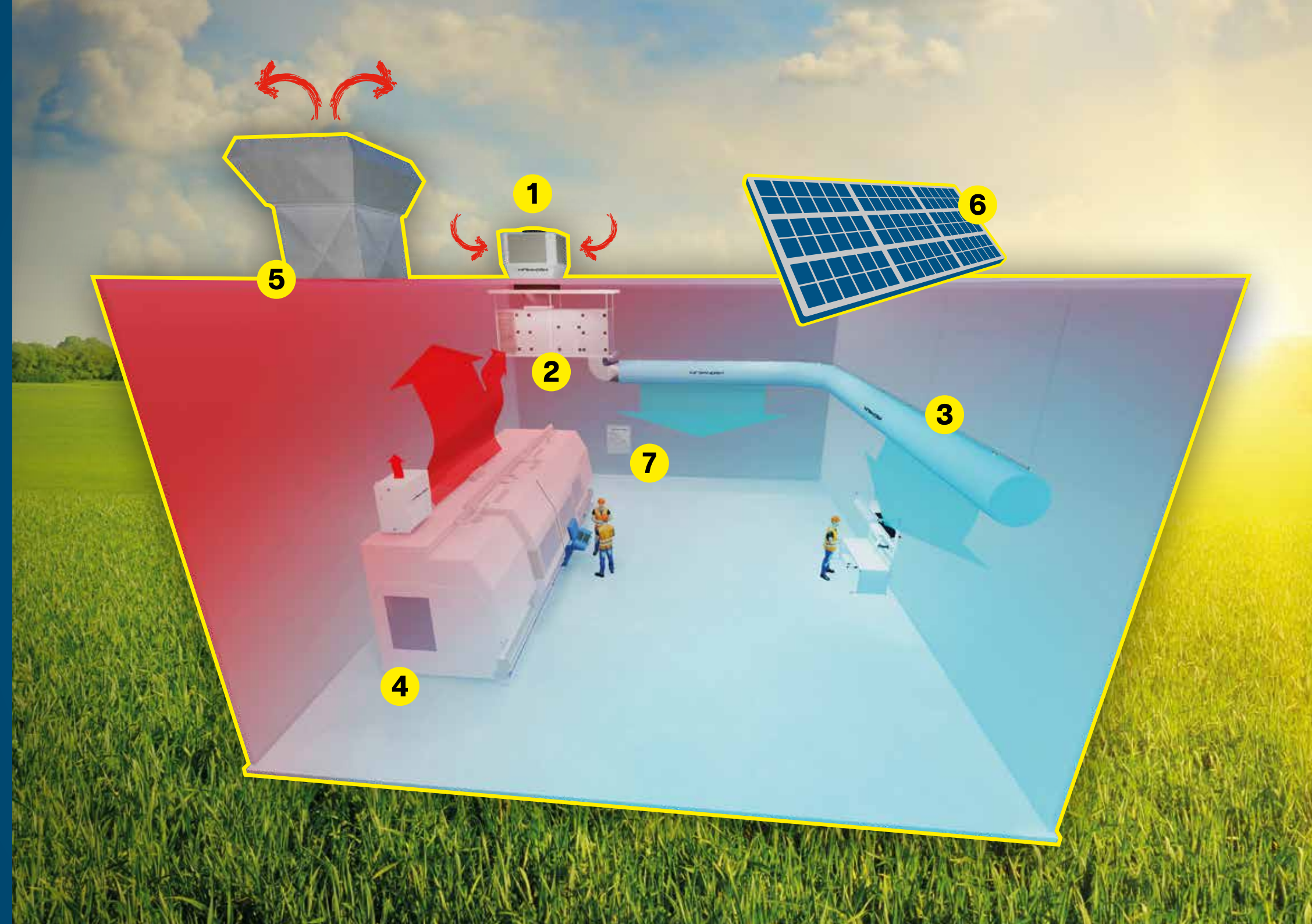
Industrial production environments are challenging – for people, machines and indoor climate. Sustainable Hall Conditioning breaks with traditional approaches and offers a revolutionary solution that combines cost-effectiveness, physical comfort and environmental responsibility.

At the core of our technology is a two-stage cooling system that uses water instead of electricity and does not use climate-damaging refrigerants. With SHC, CO₂ emissions and operating costs are reduced up to 95 %.

Fresh air is distributed evenly throughout the hall without creating drafts, significantly improving working conditions. Intelligent air treatment balances temperature fluctuations and ensures energy-efficient operation in winter.

In addition, INFRANORM®'s innovative exhaust air concept ensures that excess heat is efficiently dissipated under the ceiling. This is how we guarantee a stable indoor climate and consistent process conditions.

WITH SHC WE ARE SETTING NEW BENCHMARKS IN THE INDUSTRY – FOR SUSTAINABLE AND FUTURE-PROOF MANUFACTURING ENVIRONMENTS.



- 1 Award-winning two-stage cooling technology**
Provides powerful cooling with the power of water and saves 95 % CO₂ and operating costs
- 2 Secondary air treatment**
Provides comfortable, clean air all year round
- 3 Air distribution**
Draft-free fresh air supply via finely tuned airflow – for a pleasant indoor climate without disruptive air movement
- 4 Processing machine**
Production facilities cause emissions and up to 80 % of the heat emission in the hall. They are an important basis for design
- 5 Exhaust air unit**
Conducts waste heat under the ceiling to the outside and ensures optimal air exchange
- 6 Photovoltaics**
For 100 % CO₂-neutral cooling
- 7 Regulation**
Temperature, humidity, ...

SCAN THE CODE ...

and find out how sustainable hall cooling with water is revolutionizing the industry!



INNOVATIVE COOLING WITH ADIABATIC PROCESS



Year-round indoor climate control for the plastics industry

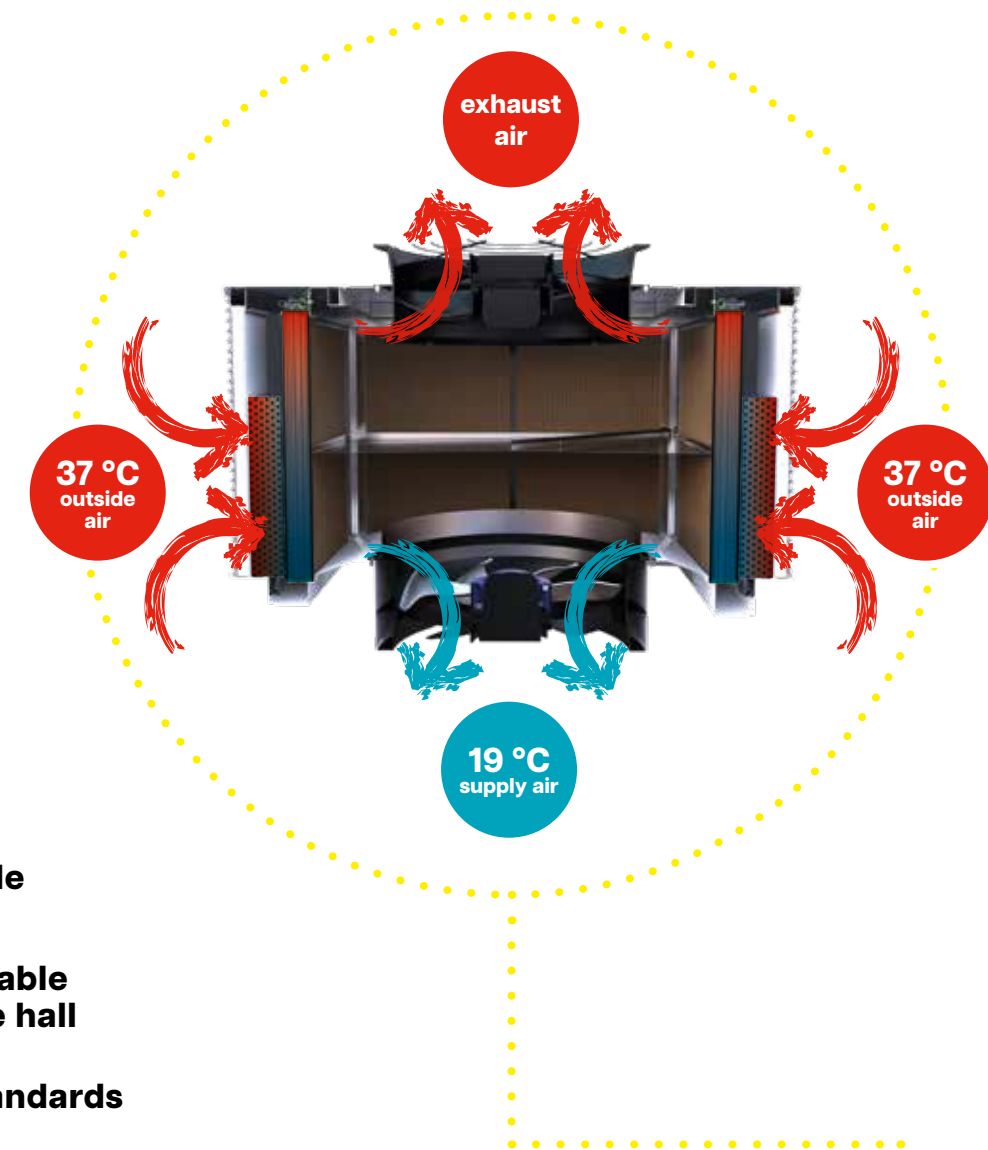
Cooling, reimagined. Two-stage—the only way.

Adiabatic cooling was long considered impractical—the temperature level was too high and the room air too humid. However, INFRANORM®'s two-stage adiabatic cooling breaks through these limitations: it delivers noticeably more cooling power with significantly less humidity—even under extreme conditions.

The result: stable temperatures, minimal energy and water consumption – without compression cooling.

Get ready to rethink cooling technology from the ground up!

- + Up to 30 % less water usage
- + Up to 7 °C lower air supply temperature
- + Up to 60 % less moisture penetration
- + Smart control with humidity monitoring
- + Reliable prevention of corrosion
- + Healthy, comfortable workplaces
- + Stable and comfortable temperatures in the hall
- + Highest hygiene standards



SCAN THE CODE ...

and discover how two-stage adiabatic cooling saves energy, reduces humidity, and ensures ideal indoor temperatures all year round.



UPGRADE INSTEAD OF NEW CONSTRUCTION

INVEST SMARTER,
AIR CONDITION BETTER



Upgrade external air cooling of an existing system

Smart retrofitting for maximum savings

SCAN THE CODE ...
and discover how smart retrofitting
works easily, quickly, and sustainably.



Retrofit.



Replace inefficient, climate-damaging cooling systems with a future-proof, sustainable solution—without downtime and without interfering with the existing system.

**Out with old technology, in with the future.
If you want to stay ahead, act now!**

- + Quick retrofitting or conversion without interrupting operations
- + 0% F-gases, 0% PFAS
- + Up to 95 % lower operating costs and CO₂ emissions
- + Possible substitution of the refrigeration machine
- + Less maintenance required

Pre-cooling.



The perfect addition to recoolers, ventilation units, or chillers. The manufacturer-independent, upstream cooling stage reduces the intake temperature by up to 17 °C—efficiently, quietly, and without water treatment.

If you value efficiency, don't just let hot air pass through—choose smart cooling now!

- + No costly intervention in the ventilation unit necessary
- + Up to 95 % lower operating costs
- + Up to 95 % lower CO₂ emissions
- + Significantly extended operating times of recoolers
- + More performance & reliability in hot conditions for your chiller

PRECISION AIR CONDITIONING

FOR THE HIGHEST CLIMATE REQUIREMENTS



Hybrid precision conditioning for the highest demands

Smart way to cool

Intelligent cooling that adapts – for maximum efficiency in every climate zone. Whether for highly sensitive metrology rooms, precision component manufacturing, or applications with the most stringent temperature and humidity requirements, Sustainable Hall Conditioning Hybrid delivers what conventional systems cannot. Even under extreme conditions such as tropical heat, high humidity or in regions close to the sea, SHC Hybrid remains reliable and efficient.

**The next generation of hall cooling –
adaptive, precise, future-proof.**

- + Up to 60 % smaller refrigeration unit**
- + Up to 60 % less CO₂ emissions**
- + Up to 60 % lower operating costs**
- + Humidification and dehumidification**

SCAN THE CODE ...

and experience how intelligent cooling sets new standards –
even under extreme climatic conditions.



+ DISRUPTION
-60 % ENERGY,
-60 % CO₂



SELF-SUFFICIENT COOLING

FOR INDUSTRIES THAT
ARE ALREADY THINKING
ABOUT TOMORROW



Conditioning of production hall with photovoltaic support

Those who want a future cool differently

With its innovative combination of Sustainable Hall Conditioning (SHC) and photovoltaics, INFRANORM® is fundamentally changing hall cooling.

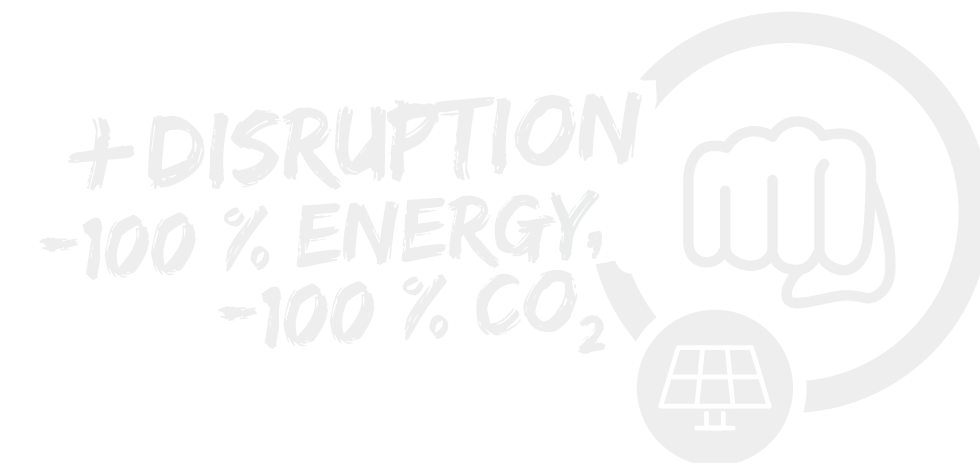
The solution is not only CO₂-neutral, but also energy self-sufficient. Companies can drastically reduce their operating costs by relying on solar power they generate themselves, thereby becoming independent of rising electricity prices. This sustainable technology is more than just an alternative: it is a step toward an efficient and environmentally friendly future.

Those who embrace progress today are shaping the future—sustainably, smart, and without compromise.

- + Hall conditioning without energy costs
- + No CO₂ emissions
- + Everything from a single source
- + In every performance size

SCAN THE CODE ...

and find out how self-sufficient hall cooling works.



BEST PRACTICE

SUSTAINABLE HALL CONDITIONING



Hall conditioning with pressure equalization

Our passion? Success stories

Our customers have achieved impressive results with our groundbreaking indoor climate control solutions. Discover how we have overcome challenges together and developed sustainable, cost-efficient solutions that go far beyond conventional approaches.

We are proud to share these inspiring stories.



SCAN
THE CODE ...

and discover how our technology can
revolutionize your production environment!

PARTNERSHIP FOR SUSTAINABLE MAKERS



Together we improve the future

Sustainability connects. Become a partner now

Expand your portfolio with a sustainable solution that does more than just look good. Choose technology that saves up to 95 % CO₂ and reduces operating costs by 95 %.

No empty talk, just real potential.

We give you everything you need: training, planning and simulation tools – and direct access to a network that really makes a difference.

Become a partner now – and together we will turn hall conditioning on its head.

+ Sustainable competitive advantage

+ Innovative technology

+ Modular system

+ All-in-one solution from a single source

+ System control & sensor technology incl.

+ Comprehensive planning support

+ Simplest configuration without expert knowledge

+ Simulation tool based on climate data and hall values

+ Exchange with experts

+ Comprehensive sales support

SCAN FOR
MORE FACTS!



Are you ready to get started together?

Planners & technical offices
Sustainability, energy, and
HVAC experts

Plant engineers & general contractors
For hall construction, industrial plants
& system integration

Companies in the field of
heating, ventilation, cooling

The Sustainable Hall Conditioning system won us over immediately. The training provided by INFRANORM® was practical and informative. The consultation, delivery, and commissioning went smoothly. The collaboration was open, reliable, and truly trustworthy.

Ing. Simon Hörburger
Managing Director Hörburger
Air and Climate Technology

HARD WORK AND CONSISTENT COMMITMENT

SUCCESS IS THE BEST ARGUMENT:



TOP COMPANIES!
TOP REFERENCES!

- +** German/Austrian Environmental Management Award, best climate protection measure
- +** Winner of the Energy Globe Award, game changer in room cooling
- +** Best Environmental Innovation, Award from the Federal Ministry
- +** Winner of the Pegasus Business Award in bronze, category Innovation Emperor for the development of sustainable hall conditioning



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