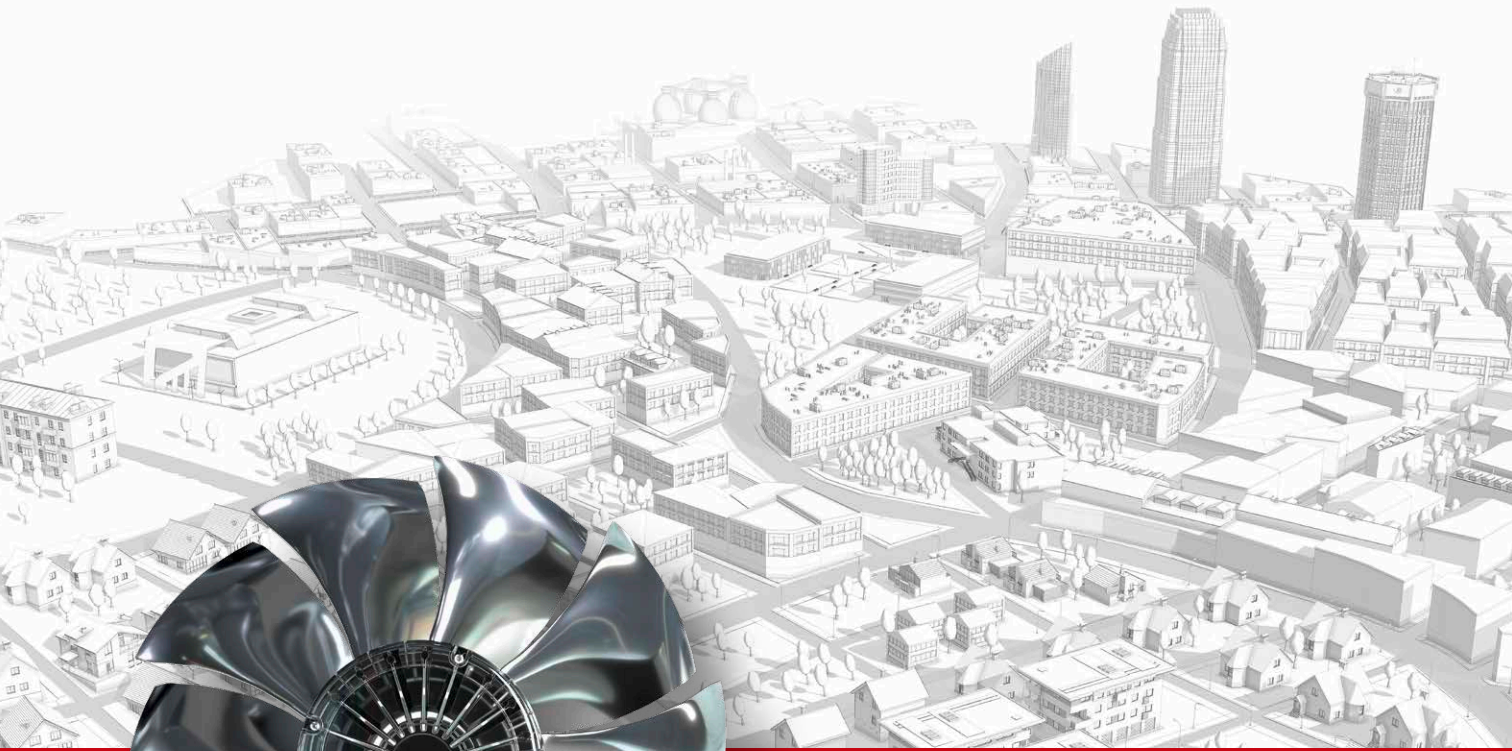


Helios Ventilatoren

# Advanced ventilation.



**Helios**



■ The facts.

# Welcome to our element.



Fresh, healthy air is our passion. A passion that has moved us, driven us forward and fascinated us for many decades. As a leading manufacturer of ventilation systems, we are continuously setting milestones in the ventilation industry and we always guarantee the right solution for your individual projects.

The Helios world offers complete system solutions with perfectly coordinated accessories and services, which will make work easier for you. All this is combined with our global award-winning design with which you too can always make a good impression.

## Global presence.

We export to more than **60** countries –  
from Germany and international warehouses.

## Helios ECgreenVent.

**100 %** GREEN.



Our EC ventilation systems sustainably lower energy consumption and thus actively contribute to environmental protection.

## Our premises cover

over **100,000 m<sup>2</sup>**  
with 50,000 m<sup>2</sup> of pure production space.



## We are not running out of air.

We are strong, solid and almost  
years in the business.

**100**

## High-performance logistics

deliver **98 %** of all  
standard products from stock.



**350,000**  
products are immediately  
available from stock.

## LüftungsCompetence- Center LCC

Our modern training centre  
is among the best in the  
industry.

**1**



■ The facts.

# From the Black Forest to the entire world.

We bring fresh, healthy air from the Black Forest to the world. As an internationally operating company, we place great importance to the individual needs of local markets and we continuously optimise our services. We operate our own branches in selected countries. We are also broadly positioned through our close cooperation with trained distribution partners. In recent years, we have developed further markets and we now export to more than 60 countries – and more are added every year.





A stylized world map in shades of gray, overlaid with a complex network of black dots and lines representing global connections. The map is centered on the Atlantic Ocean, showing the continents of North America, South America, Europe, Africa, Asia, and Australia. The network lines are most dense in Europe and Asia, with lines radiating outwards to other parts of the world. A red rectangular box is positioned in the upper right corner of the image.

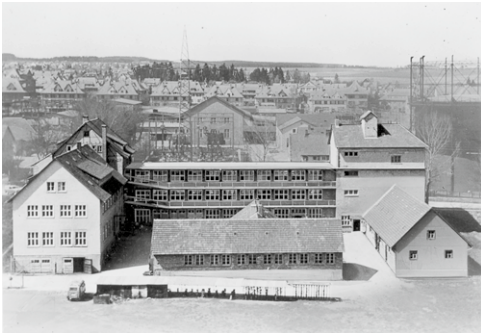
**We bring fresh air to more  
than 60 countries worldwide.**



**Helios Ventilatoren**

■ The facts.

# Helios makes history.



**1923**

Foundation of Fernwellen-Apparatebau AG. Helios produces headphones, loudspeakers and detectors.



**1965**

Helios impresses with a uniquely wide range of axial fans. The company has numerous world-wide patents, including patents for impellers up to 3.5 m diameter made of glass fibre. Fans and ventilation systems are now the exclusive core business of Helios.

**1920**



**1931**

The range is extended with dynamos, pedals and cycle headlamps. The foundation is laid for the future company name Helios: As the God of Light, »Helios« was venerated by the Hellenes as a symbol of life.



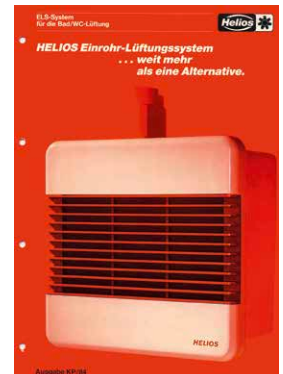
**1950**

The company starts to produce cash registers and fans, whereby table fans and ceiling fans are initially produced.

**1960**

**1985:**

Introduction of the mono tube ventilation system ELS, which becomes a market-leading product in further evolutionary stages.



**1993:**

Pioneering achievement:  
Helios first presents ventilation systems for controlled domestic ventilation (KWL®) with heat recovery at a special exhibition.

**1997:**

The logistics centre and new production halls with around 16.000 m<sup>2</sup> are completed.

**2009:**

Helios presents the first mini fan DN 100, with closed facade and wins numerous design prizes.

**2012:**

Helios repositions itself in the technical building services and smoke extraction segment and impresses with innovative system solutions.

**2000****2020****1989:**

The RADAX® VAR range is introduced. It combines the performance characteristics of centrifugal fans with the space-saving, axial flow pattern.

**2004:**

The LüftungsCompetenceCenter LCC is opened. Spacious showroom and modern media technology over 500 m<sup>2</sup>.

**2018:**

Helios in a new dimension!  
A new era begins with the compact ventilation units Helios AIR1.

- Eye-catching.

# Eye-catching. Helios references.



## Europapark Rust

- Axial, rectangular duct, smoke exhaust fans and much more in the entire family and leisure park.



## Tower 185 Frankfurt

- Helios smoke exhaust fans in the flow shaft of the smoke protection pressure systems ensure smoke-free escape routes.







## Stuttgart exhibition centre

■ Eye-catcher on the motorway: Stuttgart has a unique exhibition centre with many innovative ventilation solutions from Helios.



## Pyramid building Ludwigsburg

■ The integrated Helios KWL® solutions provide a pleasant feel-good atmosphere in the pyramid house.



## Long-distance station Frankfurt

■ More than 100 axial fans from Helios create a total volume flow of over 3.5 million m³/h with a flow velocity of approx. 7 m/s.



## Mehr! Theatre Hamburg

■ Safety thanks to the intelligent fire protection concept with the latest TGA (technical building services) system technology from Helios.



■ **Eye-catching.**

# Sporting performance. Sponsoring.

We know that our success as a company is a success for the people in our environment. And we know how important cohesion and solidarity are

for lasting success due to our origins and our regional roots. We therefore support the community in our region with various activities. In this respect,

we are particularly focused on young people in the community.



## Main sponsor of the Schwenninger Wild Wings



■ The well-known HeliosArena in Villingen-Schwenningen was named after Helios. We have also sponsored the Schwenninger Wild Wings for decades. We offer reserved seats for every home game to our employees – there is a lot of excitement and cheering at the games.

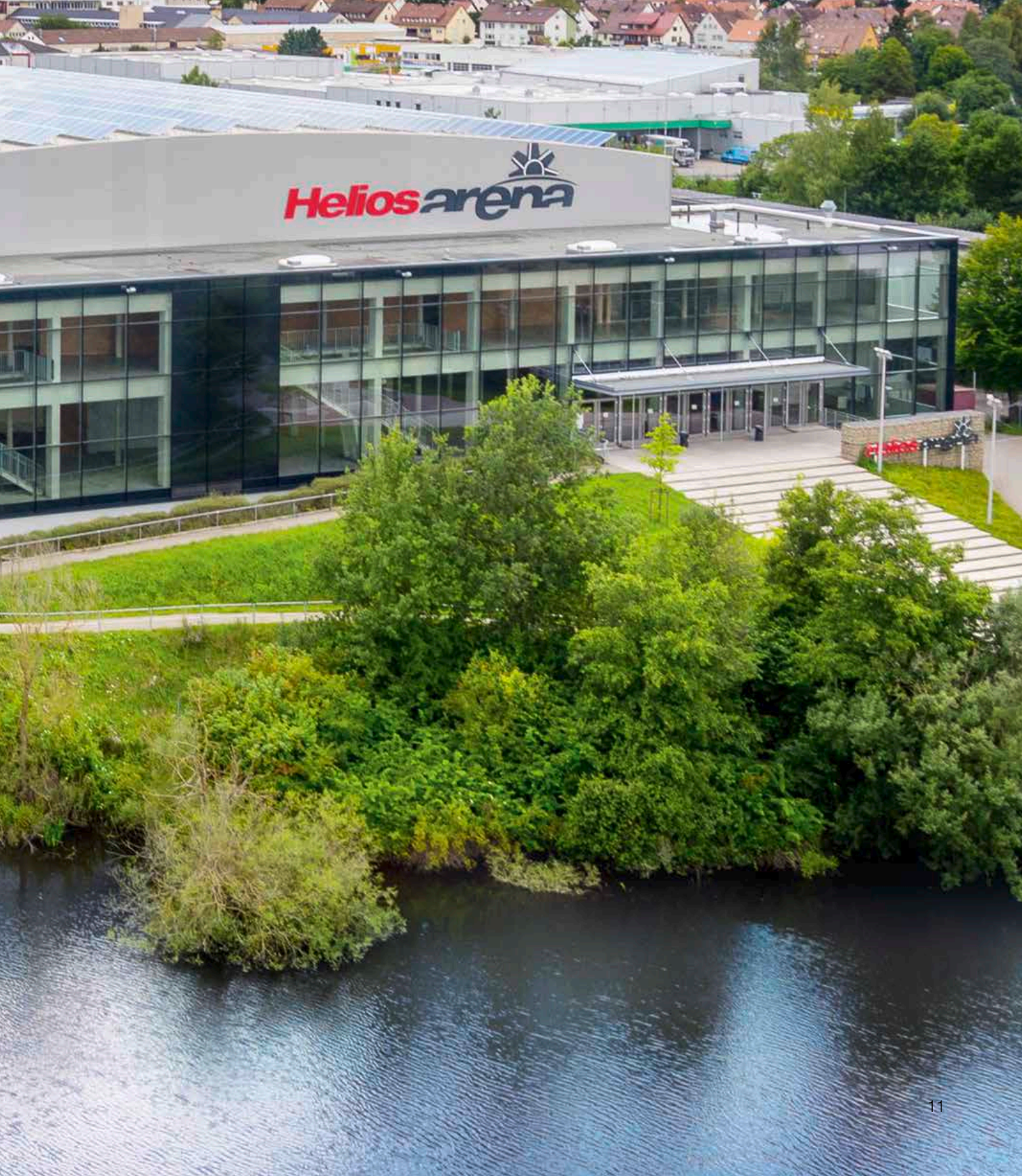


## Platinum Partner of the Wiha Panthers Schwenningen

■ As a Platinum Partner, we are excited about the great sporting successes of the young club and we gladly make our contribution to a bright future for the basketball players from Schwenningen.







Ventilation  
systems from  
Helios –  
The quality and  
variety speaks  
for themselves.



## ■ System competence

Each project is individual. Therefore, we do not simply create great products at Helios, but rather optimally coordinated system solutions. This ensures that everything in your project fits perfectly right from the start.



■ **Helios ventilation systems.**

# Everything from one source.

## For your individual projects.

A variety that runs through almost all  
product groups:



ultraSilence  
Technology by Helios



**T120**



■ **Small room fans**

Small room fans, wall fans, inline fans, window fans, ceiling fans and heater fans.



■ **Domestic ventilation**

Controlled domestic ventilation according to DIN 18017-3. Mono tube vent. systems and central ventilation systems.



■ **Ventilation with heat recovery**

Comfort ventilation with heat recovery.  
System solutions from one source.



■ **Compact ventilation units**

Helios AIR1 – energy-efficient compact ventilation units  
with heat recovery.



### ■ Box fans

GigaBox centrifugal fans. MegaBox centrifugal fans. Fresh air boxes.



### ■ Circular in-line fans

InlineVent®, MultiVent® and Acoustic Line in-line fans.



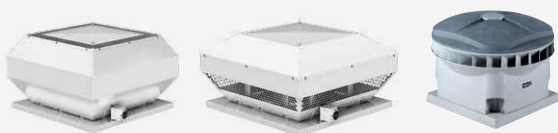
### ■ Rectangular in-line fans

Forward curved, backward curved, sound-insulated.



### ■ Axial in-line fans

High performance axial fans for low, middle and high pressure applications.



### ■ Roof fans

Vertical, horizontal und diagonal outlet.



### ■ Smoke exhaust fans

Smoke exhaust roof, rectangular duct, axial and jet fans for mechanical smoke extraction systems.



### ■ Accessories

The manifold range of accessories from Helios promises optimally matched system solutions.

■ **Helios ventilation systems.**

# Balanced domestic ventilation without heat recovery.



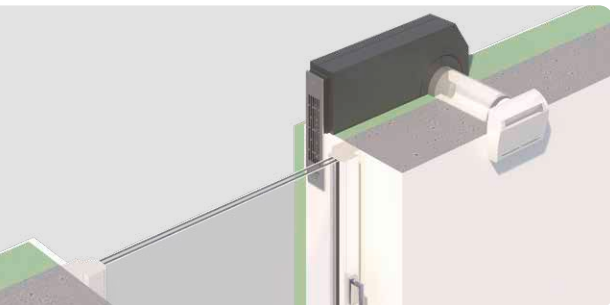
■ **MiniVent® M1**

The small room fans MiniVent® M1 are known for the highest pressure output, lowest sound levels and maximum energy efficiency. Two speed performances, jet water protection IP X5 and high-quality long-life ball bearings are standard equipment features with clear added value. MiniVent® M1 is available in 3 sizes with overrun and interval operation as well as barrier-free automatic functions, such as presence detectors or automatic humidity control.



■ **ultraSilence® ELS**

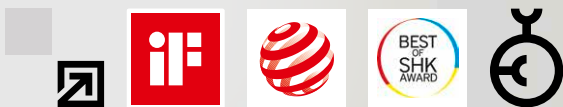
The wonderfully quiet ELS units are controlled on demand and they extract stale air from kitchens, bathrooms and WCs via a central main riser. More than 20 floors or more than 40 individual units can be connected. In addition to the ELS standard and overrun types, the variants with presence detectors and automatic humidity control offer maximum comfort and completely barrier-free, automatic operation.



■ **Automatic supply air element ZLA 125**

In order to ensure perfect operation of the extract air systems, even with watertight building envelopes, the combination with intake air outlets is essential. The supply air is perfectly distributed, filtered and optimally sound-insulated when it flows indoors through the universally applicable automatic supply air element ZLA 125.

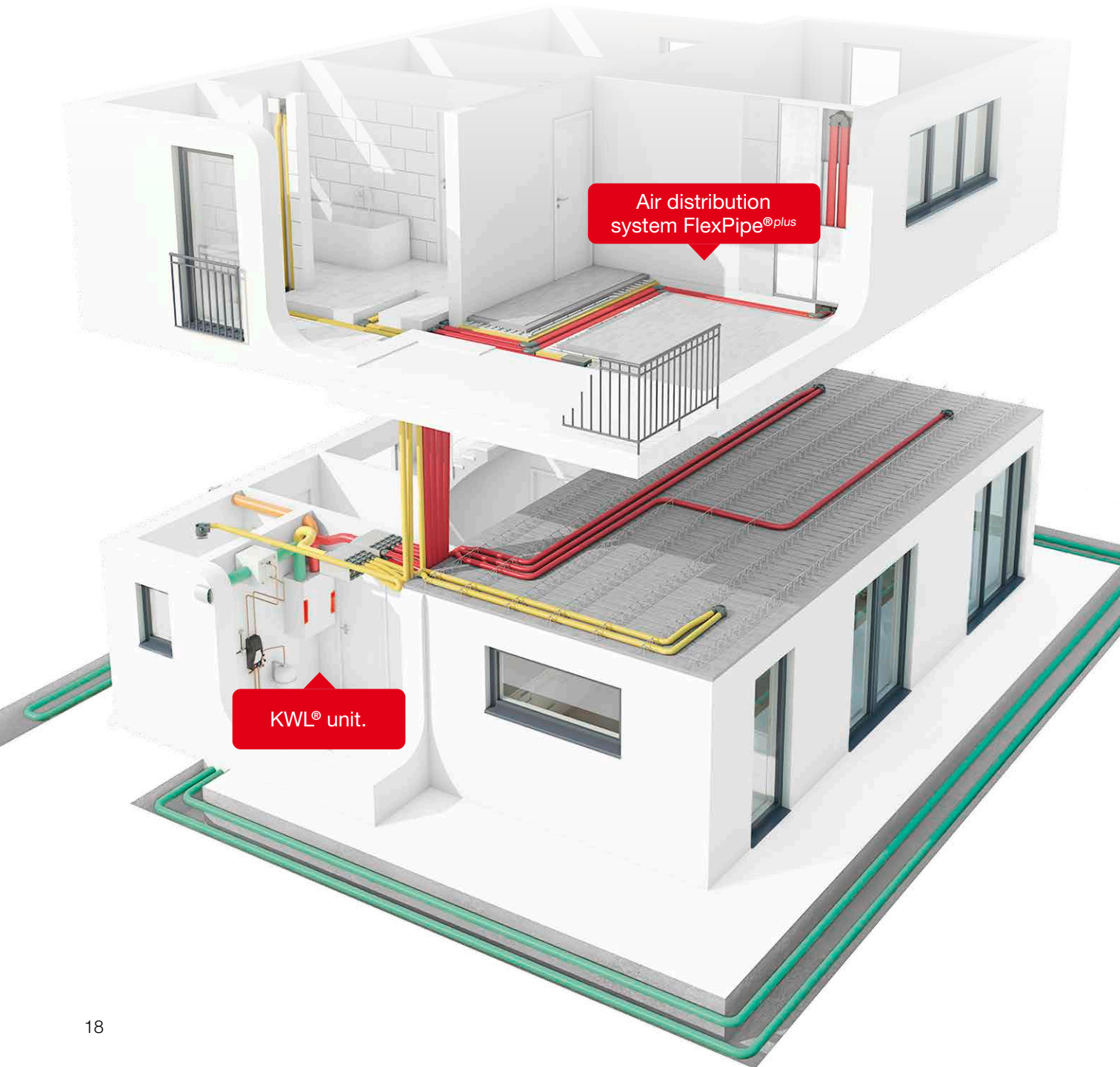




Our designs are unique and have received internationally-recognised awards.



■ Helios ventilation systems.



# Helios KWL<sup>®</sup> system solutions with heat recovery.

KWL<sup>®</sup> ventilation systems with heat recovery from Helios provide pleasant, draught-free and clean air around the clock. This creates a well-balanced, healthy comfort climate – all year round. The KWL range from Helios includes decentralised and central ventilation units from 45 to 500 m<sup>3</sup>/h for use in single family houses and apartment buildings as well as

individually selectable air distribution systems.

Regardless of which system is chosen: All options are characterised by the fact that the complete system is **hardly visible and even less audible**. Elegant, design award-winning air inlets and outlets integrate harmoniously into floors, walls and ceilings. The extremely

compact KWL<sup>®</sup> ventilation unit can be installed perfectly in ceilings, wall units or plasterboard as the heart of the system.



■ Helios ventilation systems.

# Helios AIR1®

## Compact ventilation units.



If you have big plans, you will find exactly the right solution for energy-efficient ventilation **with heat recovery** at Helios. The new Helios AIR1 product range offers various technical variants in **3 series**: For ceiling or floor standing installation, with highly efficient cross counterflow or rotary heat exchangers for use inside or outside. In this respect, no less than **22 unit types** in a flow rate range from 500 to 15.000 m<sup>3</sup>/h guarantee a suitable selection for virtually all areas of application and

performance classes in the areas of living, leisure, working and learning. The wide range of accessories with various heating and cooling options, multiple air quality sensors and a multi-level filter concept includes more than **100 configuration options**.

AIR1Select, the intuitive online software, provides the necessary overview for the simple and quick selection of your individual ventilation solution: **[www.AIR1Select.com](http://www.AIR1Select.com)**







Intelligent  
air distribution with the  
KWL® MultiZoneBox



Compact ventilation units  
with heat recovery  
Helios AIR1®



► **PLAY NOW**

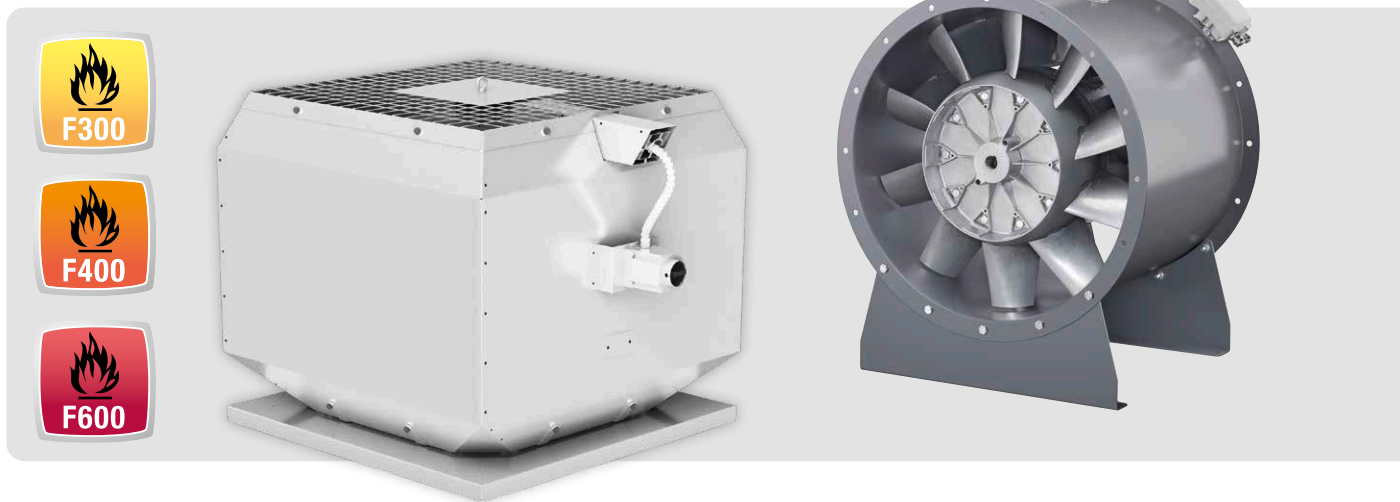
Discover the new Helios AIR1  
compact ventilation units on our  
Youtube channel.

- **Helios ventilation systems.**

Jet fans for car parks  
and commercial/industrial  
applications.



# Smoke exhaust fans for technical building services.



## Certainly right!

### The competence of Helios TGA (technical building services).

When it comes to safety, absolute reliability is the decisive criterion. You should therefore rely on the proven, certified and advanced solutions for safety-relevant areas from Helios TGA (technical building services). Coordinated complete solutions consisting of highly reliable Helios fans, perfectly matching system components and tailored service make Helios TGA the first choice with professionals! With regard to the application range, you can also draw on Helios' abundance of resources:

### Our TGA system portfolio:

- Smoke exhaust systems save lives in the event of fire by keeping escape routes free of smoke.
- Ventilation and smoke extraction systems always provide good quality air and maximum safety in parking garages thanks to innovative jet fans in combination with the smart gas warning system.
- There are also mechanical smoke extraction systems with state-of-the-art controls and smoke exhaust fans for all applications.

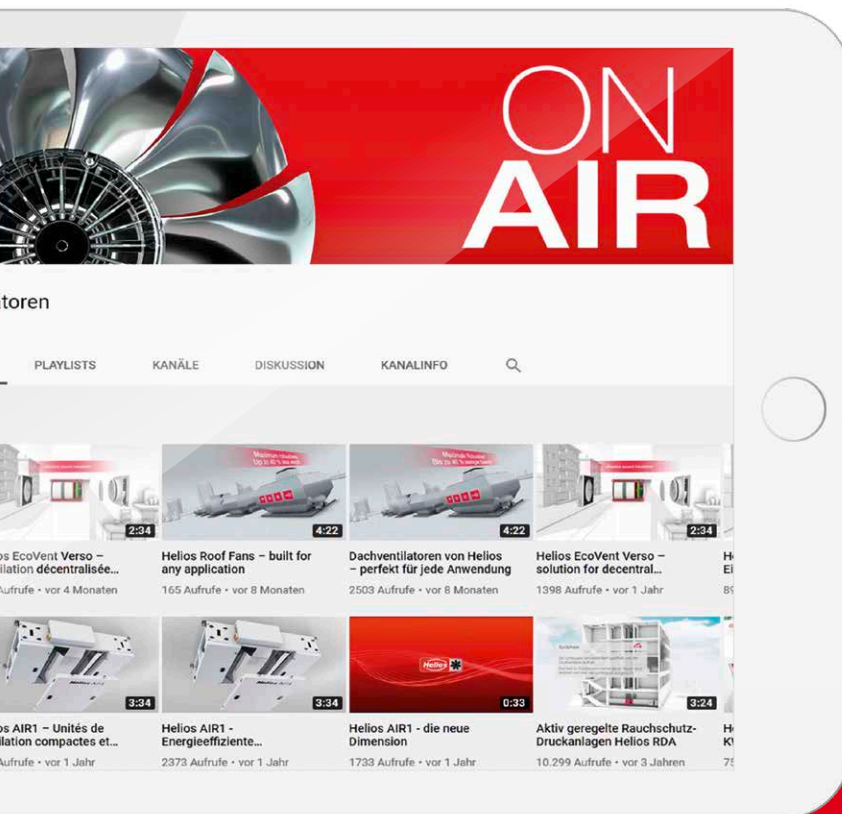
### Helios smoke exhaust fans:

- RADAX high-pressure in-line duct fans (F300, F400, F600)
- Axial low-pressure and medium-pressure fans (F300, F400 und F600)
- Axial and centrifugal jet fans
- Patented smoke exhaust roof fans (F400, F600)
- Smoke exhaust rectangular duct fans (F400)

■ Our service world.

# Online tools.

## Helios ON AIR.

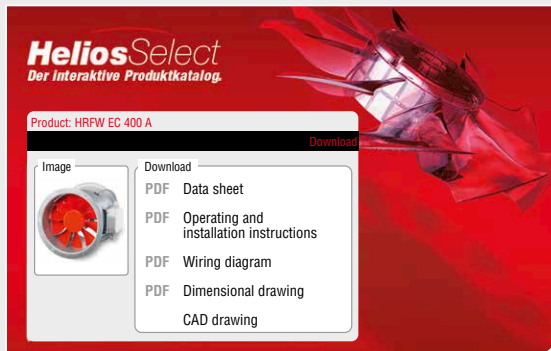


Helios offers a number of online tools:  
Have a look at our Helios YouTube channel for more information. You can find several interesting clips on the topic of ventilation on this channel. We also offer assistance with design and planning. Whether it is HeliosSelect, KWLeasyPlan or AIR1Select – you will always find the right system for your individual projects with these tools.



Cinematic ventilation systems can be found on our YouTube channel.





### ■ Find your desired product quickly and easily with HeliosSelect.

Whatever product information you need – the electronic catalogue HeliosSelect will quickly help you to your objective. You can find all unit data here, from the dimensional drawing, technical information and wiring diagrams through to the installation instructions.

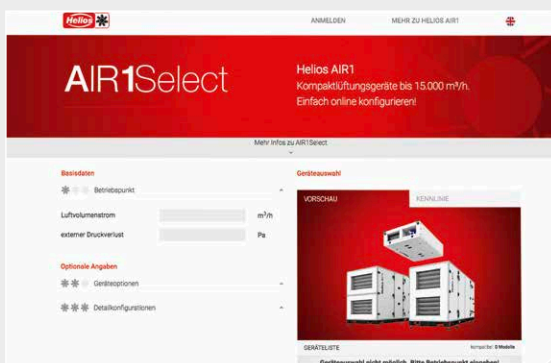
**[www.HeliosSelect.com](http://www.HeliosSelect.com)**



### ■ Design, bills of quantities and ventilation concept with KWLeasyPlan.

For the safe and easy planning of complete KWL systems with Helios system components including bills of quantities. Proof of ventilation concept is provided in just a few steps. KWLeasyPlan can be operated directly in the browser as an online application without installation. Your project results can be stored and processed ready for printing.

**[www.KWLeasyPlan.de](http://www.KWLeasyPlan.de)**



### ■ AIR1Select: The online tool for configuring RLT units.

In order to assist you with the selection of an optimal compact ventilation unit, we developed AIR1Select – an online configuration tool especially for Helios AIR1 ventilation units. AIR1Select allows the configuration of your ventilation unit with a few self-explanatory inputs. You can save, export and call up your results at any time.

**[www.AIR1Select.com](http://www.AIR1Select.com)**

■ Helios catalogues.

# Well informed: Our catalogues.



**TGA catalogue:**  
Fans and systems for  
fire protection and  
smoke extraction.

**Helios AIR1 catalogue:**  
Energy-efficient  
compact ventilation  
units.

**Main catalogue:**  
Helios ventilation  
systems.

**KWL catalogue:**  
Controlled domestic  
ventilation with heat  
recovery.

**ELS catalogue:**  
Mono tube  
ventilation systems  
ultraSilence® ELS.



**It could not be easier:**  
You can download all publications  
using this QR code.

# Notes.



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