



hybridSchwank

Condensing Technology & Heat Recovery

Use synergies effectively

Schwank
WÄRME FÜR HALLEN



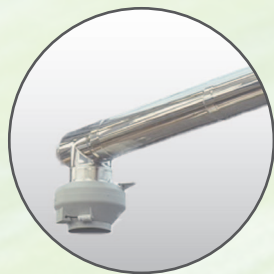
Three systems - More efficiency

hybridSchwank stands as a synonym and brand for Schwank condensing technology and heat recovery systems. With tetraSchwank, hybridSchwank hydro and hybridSchwank aero, Schwank engineers have created three systems with which condensing technology and heat recovery solutions can be implemented in almost any context.

All systems are individually adapted to the requirements on site.

The aim: increase efficiency and protect the environment.

tetraSchwank



hybridSchwank

hydro



aero





hybridSchwank

The symbiosis of two technologies.

The hybridSchwank solutions are more than just a product. They are a symbiosis of several highly efficient solutions from Schwank. The highly efficient heating systems are combined with innovative heat recovery systems.

The advantage: each technology of the system is an independent solution. The combination of both creates synergies that enable an overall energy efficiency of up to 110%.

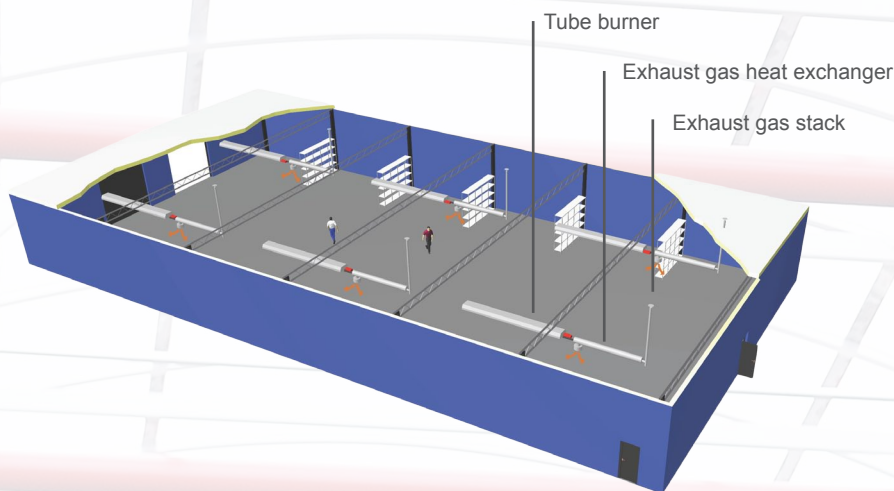
tetraSchwank

Condensing technology for heating systems
with tube heaters.

tetraSchwank combines heat recovery and condensing technology, efficient Schwank tube heaters and an intelligent control system in the most modern way with up to 110% efficiency.

tetraSchwank uses the residual energy contained in the exhaust gas and supplies it directly back into the room.

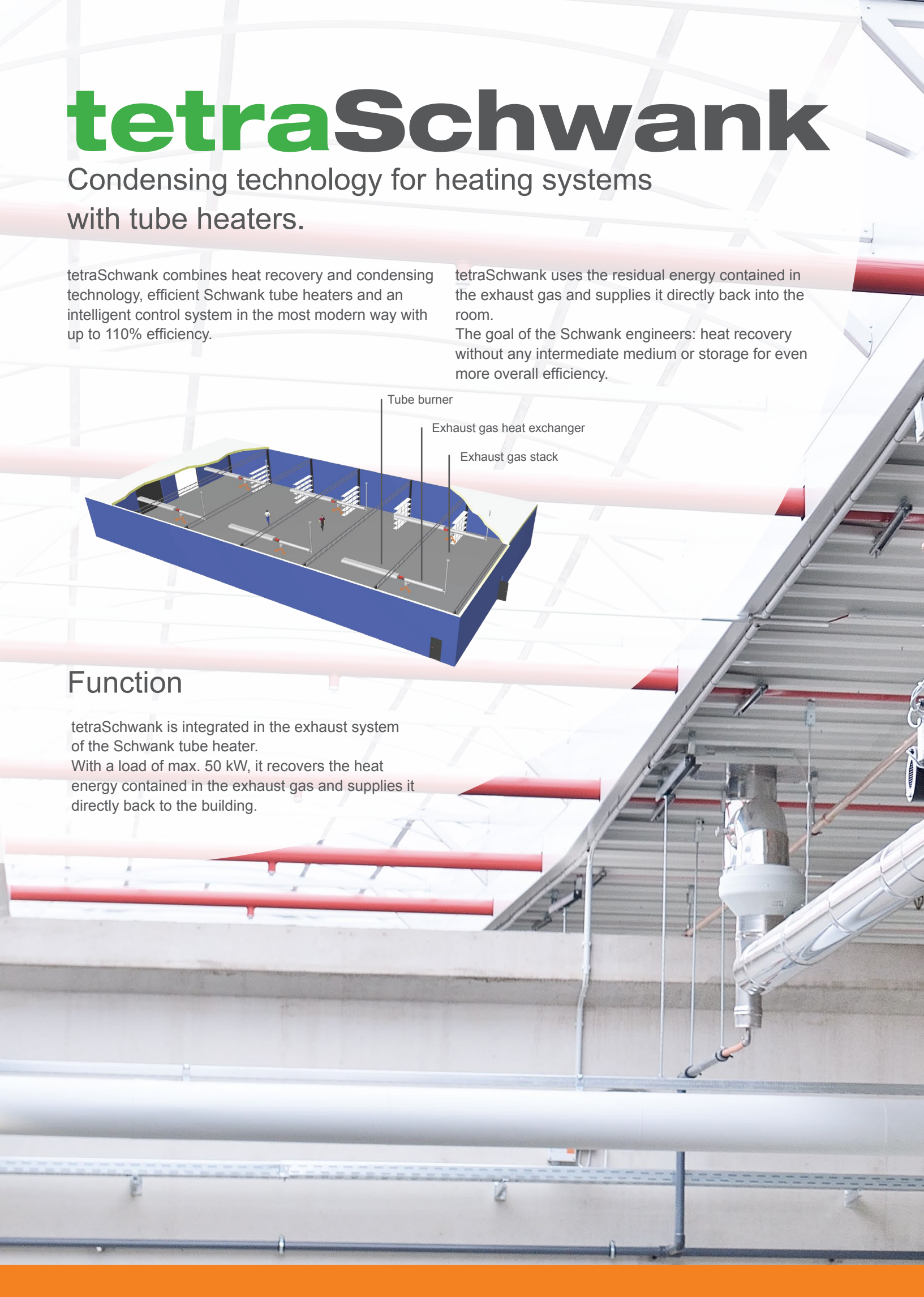
The goal of the Schwank engineers: heat recovery without any intermediate medium or storage for even more overall efficiency.



Function

tetraSchwank is integrated in the exhaust system of the Schwank tube heater.

With a load of max. 50 kW, it recovers the heat energy contained in the exhaust gas and supplies it directly back to the building.





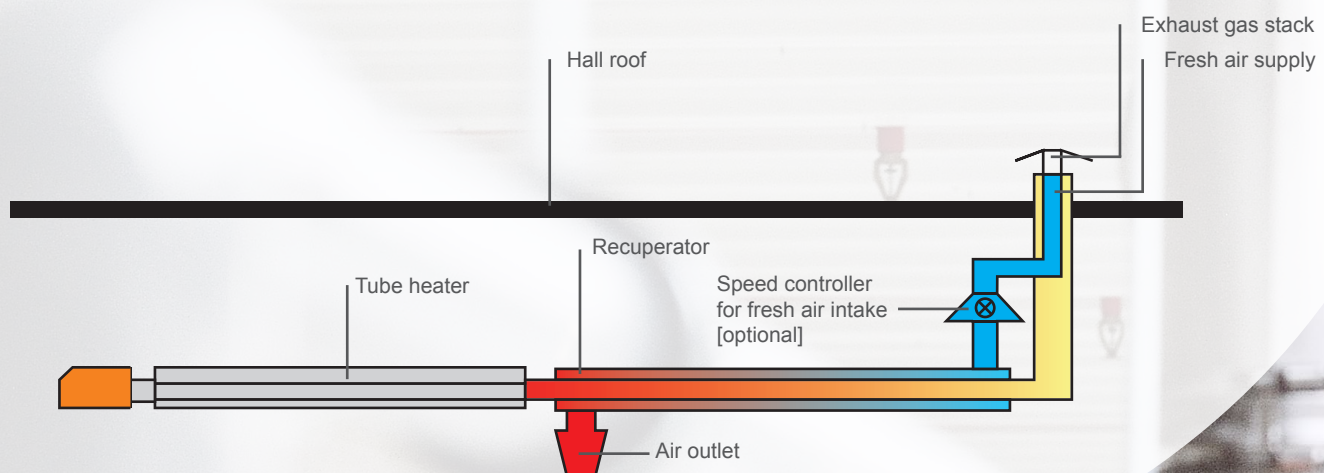
tetraSchwank

Applications

tetraSchwank recovers heat loss and makes it directly usable without intermediate medium and storage.

This makes tetraSchwank the number one operating cost reducer in industrial & commercial buildings and amortizes within the shortest time.

tetraSchwank Air also ensures a continuous supply of fresh air as it is independent of the ambient air. That improves the room climate significantly.



tetraSchwank Air:
concept and mode of operation



At a glance:

Your advantages

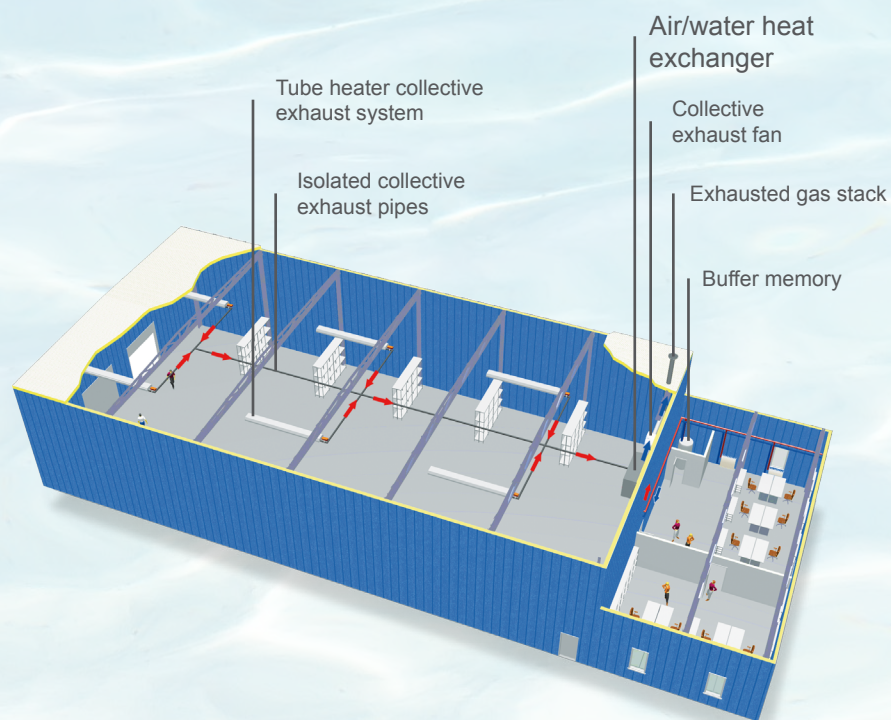
- Use of free exhaust gas heat
- Use of condensing technology
- Increase of the output of your hall heating up to 110% [related to Hi]
- Acceleration of the payback period
- Direct heat without intermediate storage
- tetraSchwank is 100% ErP-compliant

hybridSchwank hydro:

The hybridSchwank hydro system with air/water heat exchanger is made to utilize and recirculate the energy contained in the exhaust gas of the infrared heating system.

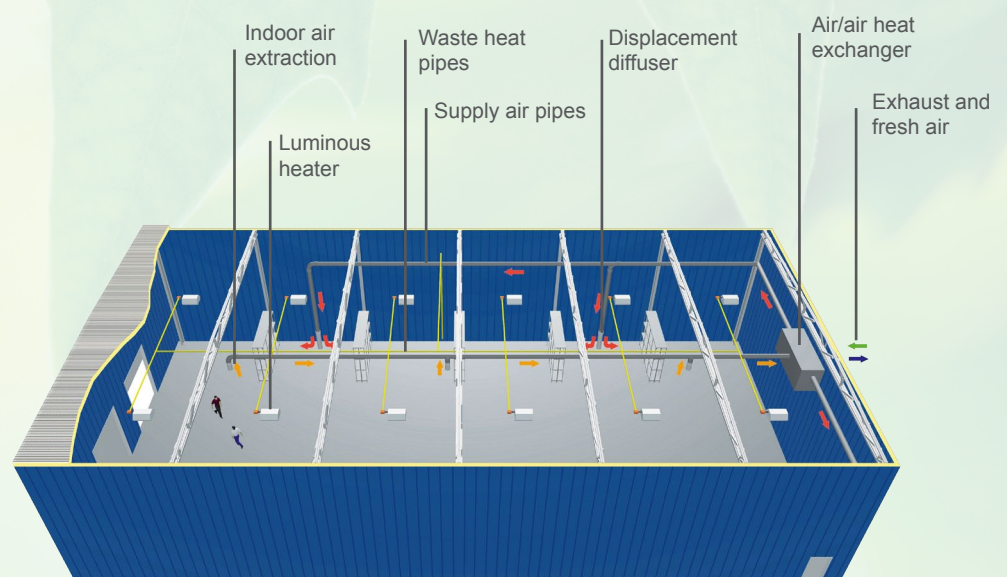
The recovered heat can then be used in secondary heating systems.

hydro:
The hybrid system with an overall efficiency of up to 110%.



hybridSchwank aero:

The hybridSchwank aero system with air/air heat exchanger uses and recirculates the energy contained in the exhaust gas of the infrared heating system and the waste heat generated in industrial halls (e.g. waste heat produced by machines, systems or the illumination of buildings). The recovered energy can be used to heat fresh air, for example.



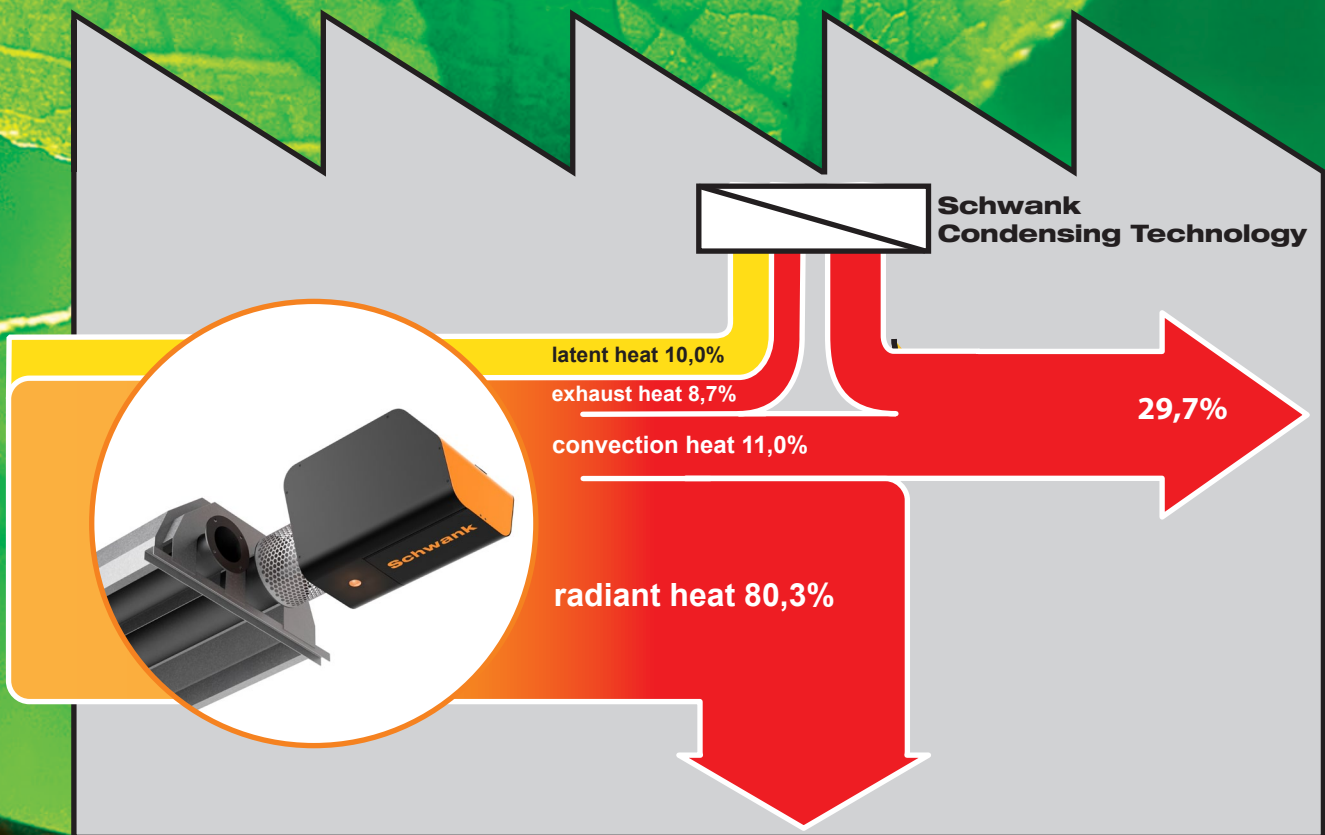
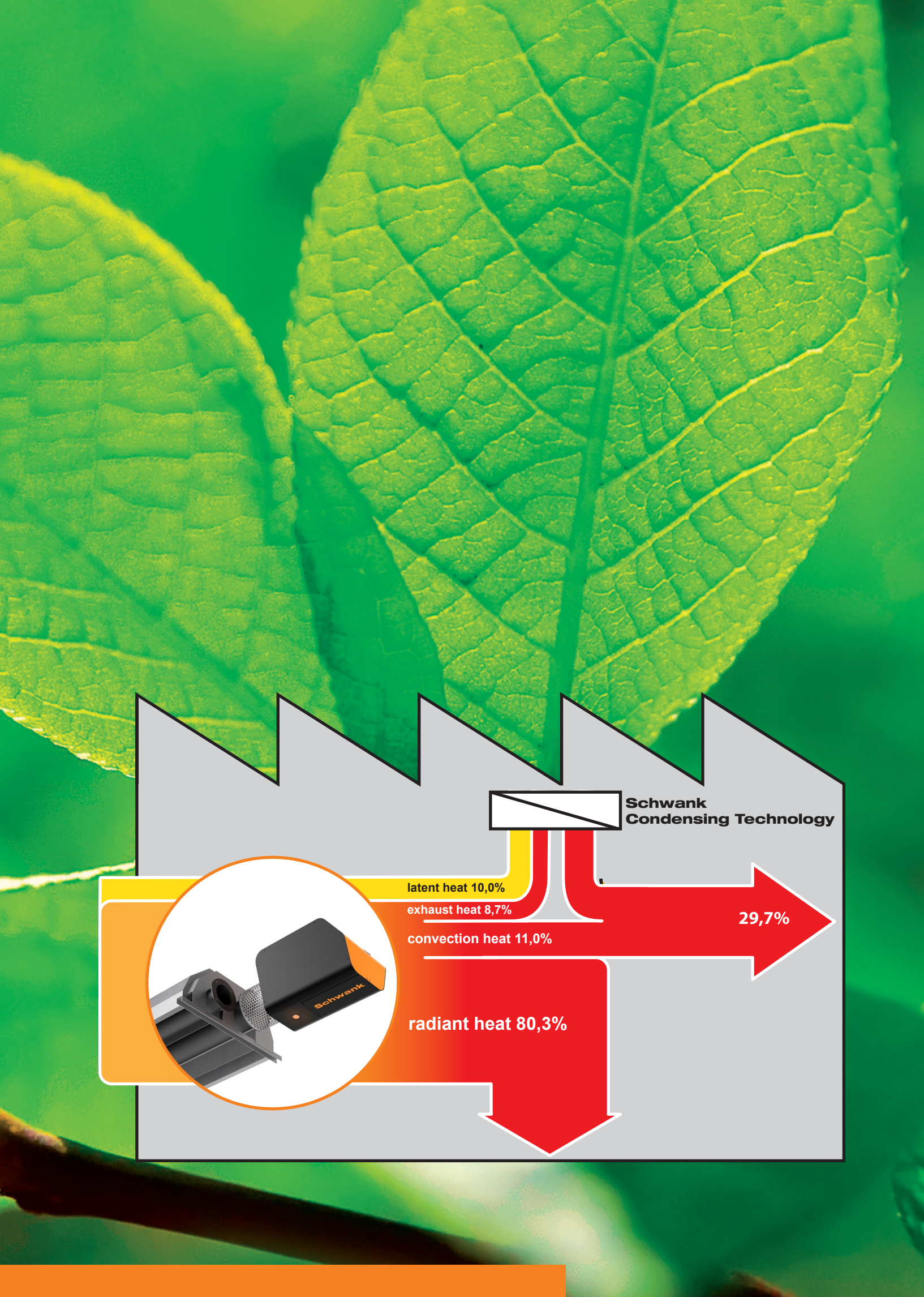
aero:
The hybrid system
that preheats fresh
air - almost for free.

hybridSchwank:

Your advantages

- Efficiency increase of the heating system to a total of up to 110%
- Up to 50% lower energy costs
- Reduction of operating costs for connected heating or hot water systems
- Supply of preheated fresh air
- Integrated control systems with the possibility of integration into the building management system
- 24 hours full service by Schwank service team
- High-quality products "Made in Germany"







Innovative. Experienced. Competent.

Experience creates security.

Schwank is recognised worldwide as a manufacturer of high quality, economically viable industrial heating and cooling systems. As the market leader of gas infrared heaters, Schwank has extensive experience in dealing with heating systems. 150 000 satisfied customers and two million heaters sold worldwide speak for themselves. [see references at www.schwank.co.uk]

As a German manufacturer, we stand by our claim: to provide products and services with the highest quality.



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