



InnoHeat

Innovative heating systems for
an optimal barn climate at the
lowest cost



An optimal climate and low heating costs

Even during the coldest days

As a livestock farmer, you know how important it is to create a stable and healthy stable climate, even in winter. Cold, draughts and moisture are a constant threat during this period. Many farmers try to limit heating costs by ventilating as little as possible. The result: deteriorated air quality and a negative effect on the health and performance of your animals.

With InnoHeat, Inno+ offers an innovative, proven solution that solves this challenge. This system recovers heat from the air scrubber and uses it intelligently for preheating and space heating. This keeps the barn climate optimal and saves you up to 90% on your heating costs.

We energise farming

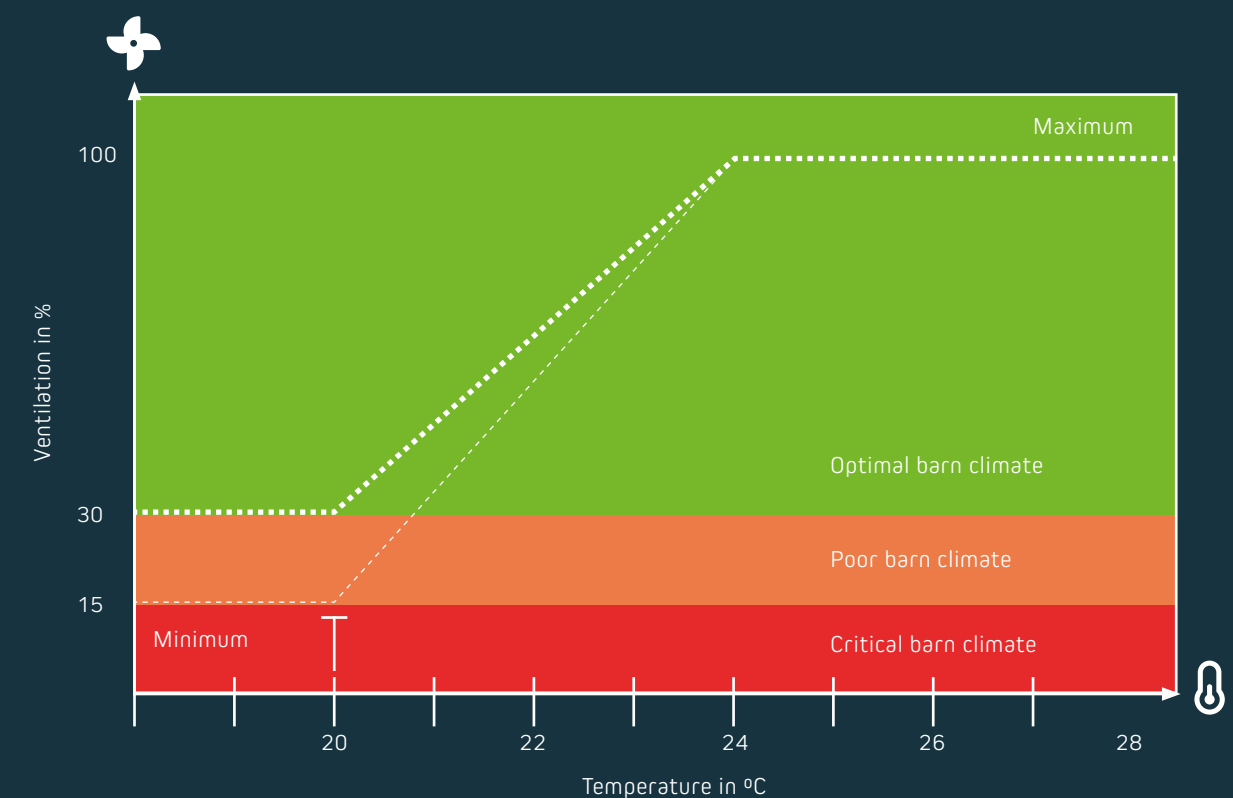
The challenge: balancing ventilation and energy

Adequate ventilation is necessary in livestock housing to maintain good air quality. However, many livestock farmers choose to ventilate less than necessary in order to reduce heating costs.

This has adverse consequences:

- **Reduced health** – poor air quality has a negative impact on the health and welfare of the animals.
- **Increased moisture** – higher humidity increases the risk of infections.
- **Bad feed conversion** – animals use their feed less efficiently because they need more maintenance feed.
- **Wasted energy** – up to 60% of the energy that animals get from feed is turned into heat and lost through the ventilation system.

The result: higher costs and lower productivity.



The solution: heat recovery with InnoHeat

The water in an air scrubber not only absorbs ammonia, odours and dust, but also a large part of the heat from the barn. This heat can be efficiently recovered and reused via InnoHeat. This minimises energy loss and creates a stable and healthy climate in the barn.

Solution 1: Preheating fresh air

The incoming air is preheated using heat from the process water of the air scrubber. This increases the temperature of the fresh air by up to 15°C.

The smaller temperature difference between the incoming air and the barn climate greatly reduces the risk of draughts. The barn remains drier and more comfortable, which directly contributes to the health and well-being of the animals.

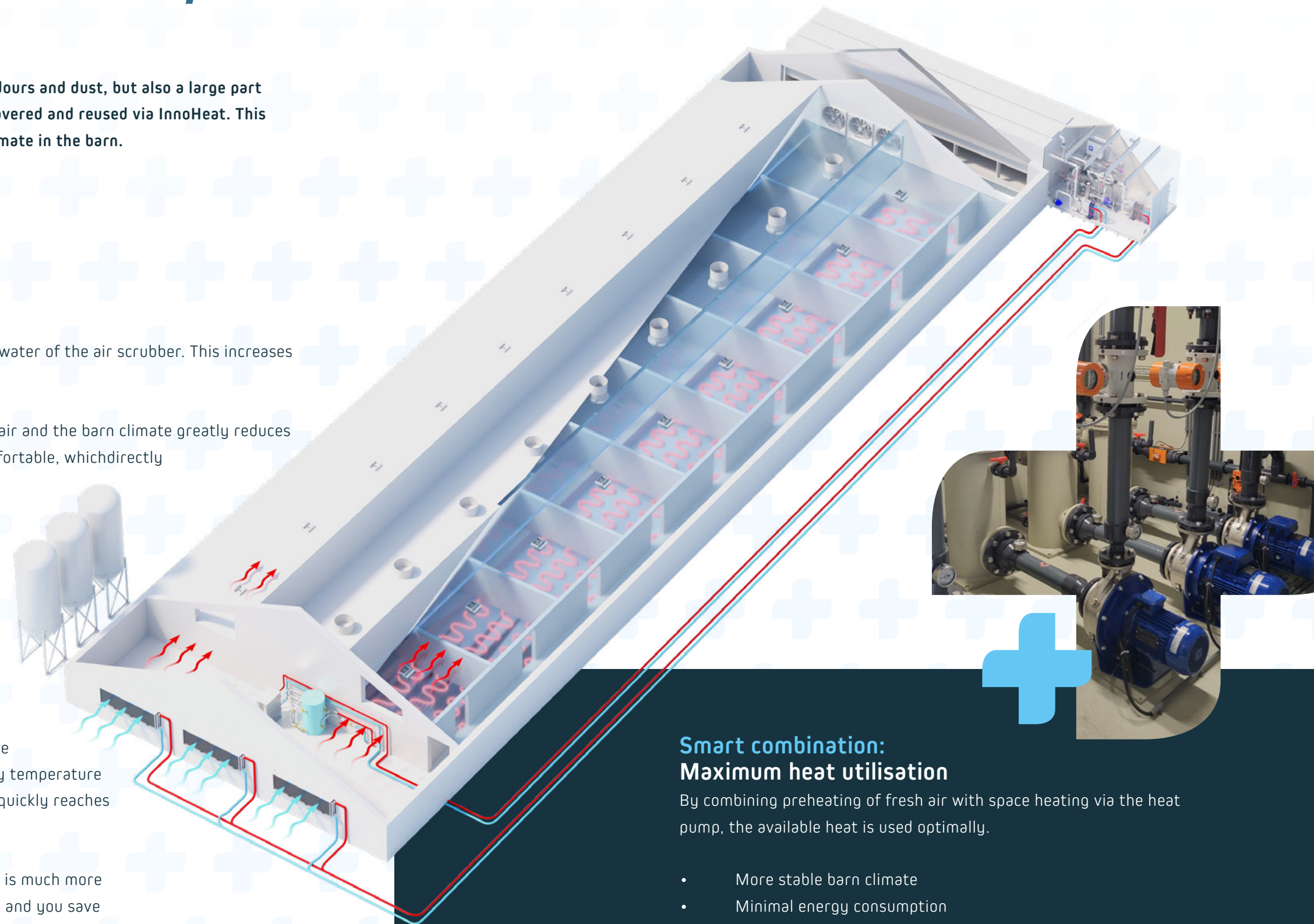
- Less draught and cold
- Dry barn, healthier animals
- More ventilation and better air quality
- Up to 90% lower heating costs

Solution 2: Space heating via the heat pump

The heat pump also uses heat from the process water of the air scrubber as an energy source. Thanks to the high supply temperature of this process water, the heat pump is extra efficient and quickly reaches the desired temperature.

Compared to natural gas heating, heat from the heat pump is much more economical. This means that the barn is heated sustainably and you save significantly on energy costs.

- Higher efficiency
- Up to 60% lower heating costs
- Lower CO₂ emissions and energy consumption



Smart combination: Maximum heat utilisation

By combining preheating of fresh air with space heating via the heat pump, the available heat is used optimally.

- More stable barn climate
- Minimal energy consumption
- Maximum efficiency

The result? An optimal climate for both animals and farmers, at the lowest possible cost.



Applications in livestock farming

InnoHeat can be used in all livestock farming sectors, from pigs, poultry and cattle to even insects. The system can be easily integrated into existing air scrubbing systems and existing ventilation and heating concepts.

InnoHeat versus traditional heating methods

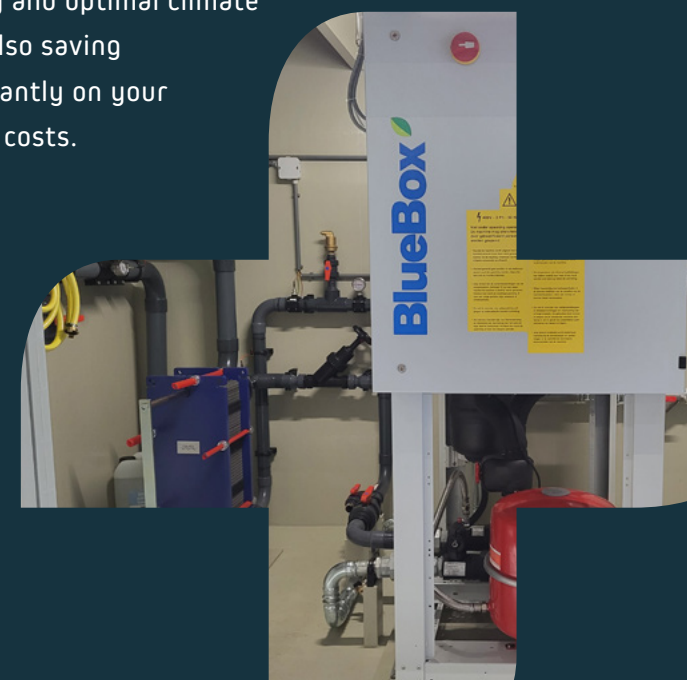
Traditional heating systems require a lot of energy and are costly to run. In addition, heat is lost through ventilation. InnoHeat takes a different approach: heat that is already present in the barn is reused. This makes the system not only more sustainable, but also much more cost-efficient.

The result: an optimal climate, better health for your animals and up to 90% lower heating costs.

Advantages of InnoHeat in short

- **Optimal stable conditions:** a constant, pleasant climate without cold, draughts or moisture.
- **Healthier animals:** better air quality and greater comfort lead to higher performance.
- **Up to 90% savings on heating costs:** maximum utilisation of heat that is already present.
- **Sustainable business operations:** lower energy costs, less waste, higher efficiency.

With InnoHeat, you create a win-win situation: you offer your animals a healthy and optimal climate while also saving significantly on your energy costs.



No air scrubber? And yet a perfect climate all year round.

An air/water heat pump efficiently extracts energy from the outside air.

This energy is then used to heat or cool water, with temperatures between 6°C and 50°C.

In winter, this solution can be used to preheat the incoming air and provide additional heating in the barn. In summer, the same installation can be used to cool the incoming air.

A single system ensures a stable and comfortable barn climate all year round. Sustainable, energy-efficient and perfectly tailored to the welfare of the animals.

With InnoHeat, livestock farmers can both improve the welfare of their animals and drastically reduce heating costs, ultimately leading to more efficient and sustainable business operations.

Create a healthy climate and save on energy costs

Would you like to protect your animals during cold periods and drastically reduce your costs? Choose smart heating with InnoHeat.

Contact Inno+ for tailored advice and discover how this innovative system can improve your business operations.

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