

# ROKKEDAHL ENERGI

Supplier of heat exchangers for industrial and agricultural use

We focus on climate and energy

Our heat exchanger is  
much more than just  
hot air

[rokkedahl-energi.dk](http://rokkedahl-energi.dk)



# 50%

**We increase savings. Therefore,  
you can always expect energy  
savings of up to 50%, regardless  
of whether you are working in  
the industry or agriculture.**

# Rokkedahl Energi – a sustainable supplier

**Rokkedahl Energi is one of Denmark's most sustainable suppliers of heat exchangers for industrial and agricultural use both domestically and abroad.**

With main focus on sustainability, we work together with manufacturers, research and educational institutions to deliver energy-saving and climate-friendly products to all our customers.

Rokkedahl Energi is a member of the Rokkedahl Group which consists of Rokkedahl Landbrug, Rokkedahl Food, Rokkedahl Kylling and Himmerland Kylling. Our head office is in Himmerland, but we work all over Scandinavia.

We make deliveries to all industries, including agriculture, and we are at the cutting edge when it comes to heat exchangers for agricultural use with a little less than 300 plants in operation today. We have achieved this position mainly by environmentally sound approaches, strong commitment in our relationships with customers and broad understanding of sustainable agriculture and industry.



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## Sustainability

A dimension moving across everything from political definitions to the full-half toilet flush dilemma.

Sustainability is at the same time a word with a familiar ring to it for most of us. But “familiar” does not always mean “understood”.

To us, sustainability stands for an environmentally sound approach which safeguards our present, future and spare time through energysavings, improved animal welfare and reduced CO2 emissions.

We meet this goal by delivering heat exchangers for agricultural and industrial use, which create better working conditions and improved indoor climate, reduce energy consumption and CO2 emissions.

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About the heat exchanger

# One heat exchanger for the environment

**What do you actually expect of your heat exchanger? Should it be able to combat high humidity? Or should it be able to lower your energy consumption? Regardless of what your needs are, our heat exchanger will never fail you.**

Our heat exchangers are developed based on simple principles whose purpose is to ensure better indoor climate, higher energy savings thanks to environmentally friendly, responsible and sustainable solutions.

We have designed our heat exchanger as a counterflow unit. It takes in fresh air from outside and uses the exhaust air to heat up the incoming air. It provides an optimal air distribution and benefits the air quality and your heating cost.

What is more, the heat exchanger is made of PP and stainless steel, which makes it easy to clean while ensuring long service life. It is therefore particularly suitable for highly dusty environments such as poultry and pig farms, drying plants as well as industries supplying heat to production process.

# 40%

The future climate requirement of a 40% reduction of CO<sub>2</sub> will not be unattainable with the technology behind our heat exchanger, since it is capable of reducing the total amount of CO<sub>2</sub> discharge in the primary production by approx. 50%.





# We collect energy and dust

Dust is not usually something you collect. But we do. Our heat exchanger is designed to collect dust, minimising the dust discharged into your immediate environment. This allows you to operate better, to have greater focus on the environment – and ultimately be a better neighbour.

Since 2015 we have been supplying heat exchangers for the industry. Our solution has proven to be suitable for dusty industries that have previously found it difficult to implement dust handling technology and minimise dust emissions into nature without great expense, pressure loss and extra maintenance. Our heat exchangers are available in several sizes and can be combined together to form larger units.

## With a heat exchanger from Rokkedahl Energi you get:

- Energy savings of up to 50%
- Less dust
- Higher capacity
- Particularly suitable in dusty and aggressive environments

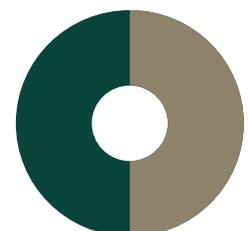
In 2015, we completed a project at the grain drying plant at Hedegaard Agro with great success – and more projects with grain drying plants are on the way.

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Up to

**50%**

energy savings  
in dusty industries.



# Less draught, more energy

Fresh air is like water in the water tap. We all need it but tend to take it for granted. And we often forget that not everyone can get fresh air when and as they need it.



**Pigs need good quality air and a healthy indoor climate in order to feel good. The easy solution for better air quality seems to be as simple as to open a window or a door ajar. But the solution is not that obvious. Pigs cannot stand draughts.**

We have therefore developed a system, which ensures that our heat exchanger has the perfect air distribution in the pig farm. The system mixes fresh pre-heated air with the pig farm air and distributes the air accurately across the aisles. This means that all pigs get the same amount of fresh, pre-heated air – minus the draught.

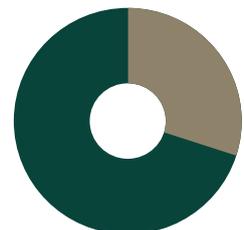
For many years Rokkedahl Energi has been testing the use of heat exchangers in piglet farms. The results speak for themselves:

- Energy savings of up to 70 %
- Considerably improved environment
- Improved well-being of the pigs in the pig farm
- Much better working environment for employees

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## 70%

reduction of heating cost was the result of the test of using a heat exchanger in a piglet farm.





# Better animal welfare is about humidity

**We are all familiar with humidity and have tried to get rid of it. However, often without much success.**

The heat exchanger is capable of reducing the humidity inside the house, giving much better litter quality. Dry litter mean less emission og ammonia. This substantially improved environment leads to better animal welfare, better growth and a higher profit

**A heat exchanger ensures:**

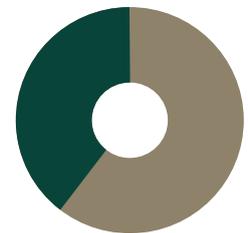
- Energy savings of up to 80 %
- Ammonia reduction of up to 40%
- Improved poultry and pig farm environment
- Higher growth rate and well-being
- Extend your production lifespan - of up to 10 years

Since 2012 Rokkedahl has installed heat exchangers for broiler production, and today, we have sold more than 300 units.

Up to

**40%**

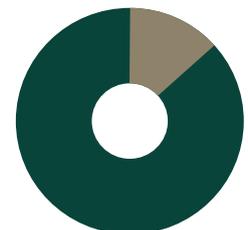
**reduction of ammonia**  
thanks to the reduced humidity inside



Up to

**80%**

**energy savings**  
using heat exchangers in poultry and pig farms.



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Rokkedahl Energi ApS  
Nymøllevej 126B – 9240 Nibe  
Tlf. 22 10 58 20  
[rokkedahl-energi.dk](http://rokkedahl-energi.dk)

