

Slurry cooling

When the best energy solution is right before you

INTELLIGENT ENERGY SOLUTIONS FOR FARMS

Reduce emission of ammonia by more than 30% and smell by up to 20%. Utilize waste and warm up your stables or buildings

klimadan
grøn tryghed

Slurry cooling

Heat recovery using a heat pump

In efficient, modern piggery, it is important to ensure high productivity while focusing on minimizing operations costs. A good indoor climate in the pens helps to increase productivity and thus increase your profits. By heating your pens with Klimadan heat pump solutions, you have the opportunity to create the optimum climate in your pens.

Our solutions are based on recovering excess heat from the slurry under the pens. By recovering heat, we can reduce heating cost without compromising the pen climate.

In addition to being a sound investment, the slurry cooling environment benefits several areas. When the slurry is cooled, ammonia emissions from the pens are reduced - this results in a better indoor climate in the piggery, while the environmental impact is reduced.

In addition, slurry cooling is an environmentally friendly form of heating, which lowers carbon dioxide emissions significantly, compared to other types of heating, such as oil, coal and other fossil fuels

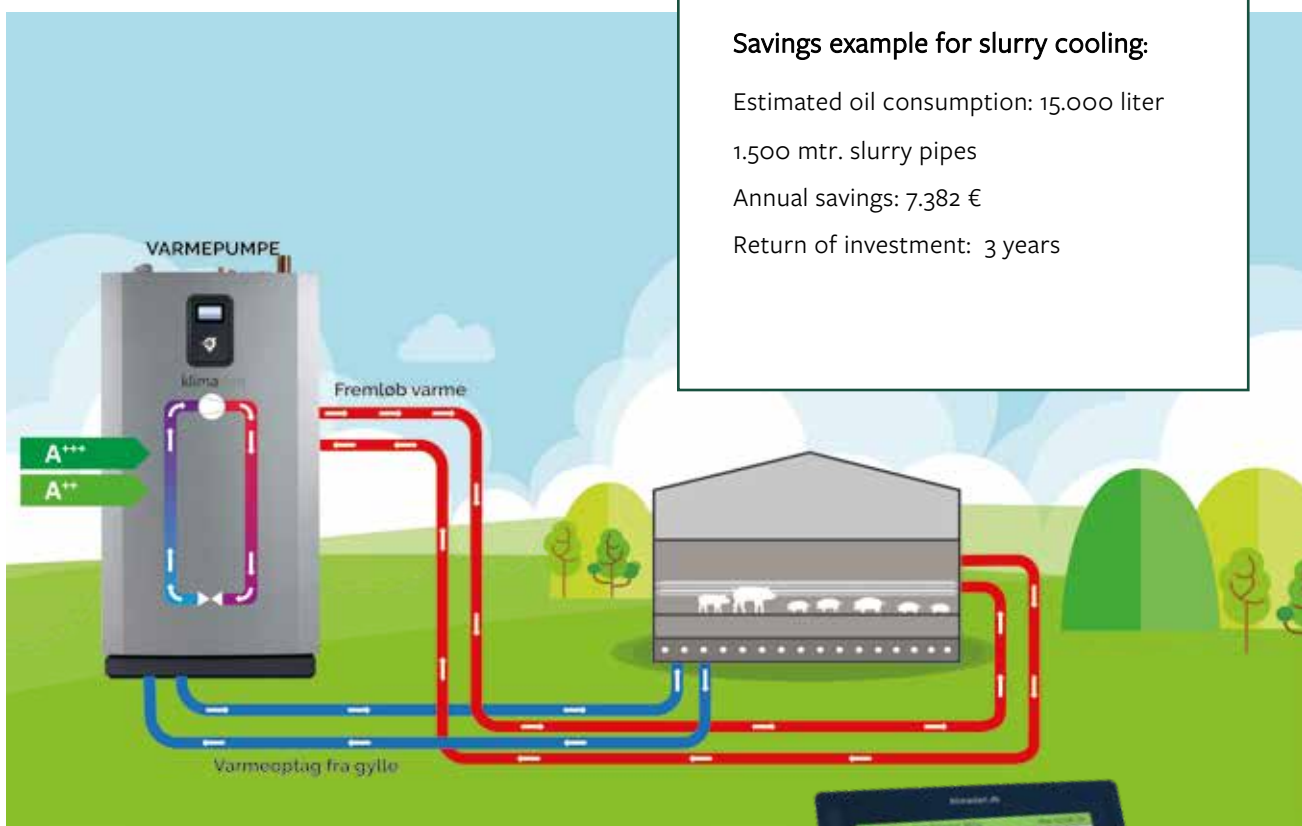
Please contact Klimadan when you are considering building a new piggery facility and hear how we can improve your finances.

- There is a lot of money to be saved on recycling surplus heat from slurry for heating piglet pens, farrowing pens and the farmhouse.
- By using slurry cooling, it is possible to reduce ammonia emissions by more than 30%.
- We have more than 40 years of experience with customadjusted heat pump systems for agriculture and have developed, installed and serviced slurry cooling facilities for European farmers for more than 15 years.
- The return on investment for a slurry cooling solution is often only 2-5 years.



With our solution you get:

- Detailed heat and economy calculation of your project
- Comprehensive environmental calculation with documentation for authorities
- Technically correct dimensioning of the entire slurry cooling system
- Complete installation performed by own refrigeration fitters with very high knowledge and experience of slurry cooling
- Own service department which, every single day, services heat pumps
- Service agreement with support all days of the year
- Collaboration with both client and turnkey contractor
- Own R&D department with updated knowledge about e.g. environmental requirements and legislation



Savings example for slurry cooling:

Estimated oil consumption: 15.000 liter

1.500 mtr. slurry pipes

Annual savings: 7.382 €

Return of investment: 3 years

The Climate Kit

New supplement technology for slurry Extra gain for the professional pig farmer

The Danish Environmental Protection Agency's latest technology magazine shows that there is new documentation that the slurry cooling technology, in addition to reducing ammonia evaporation, also provides safety for odor reduction of up to 20%.

To achieve the best result from this additional benefit, Klimadan has developed an advanced control, "The Climate Kit", which controls both the environmental effect per. days, and at the same time cool the slurry in the most appropriate way.

The heat generated in the process can either be used for direct heating of e.g. piglets and / or farrowing stables, or for farmhouses, etc. Where the heat demand is less than the production, it is possible to dispose of the heat at a very high efficiency with The Climate Kit.



Therefore, the pig producer is now no longer dependent on a high heat consumption to benefit from the slurry cooling technology.

And as an added plus, the environmental kit makes the data documentation to the authorities very easy and clear - and then very little time must be spent on it. A single tap on the controller ensures what the authorities need. It gives more time in the pigsty for you as a pig producer.

The environmental kit can be delivered and installed for both new slurry cooling systems, but also for existing slurry cooling systems from Klimadan. It is also possible to combine the technology with other existing technologies.

The extra cost of purchasing and installing the environmental kit for odor reduction is very advantageous compared to other methods of odor control in pig houses.

Klimadan has existed since 1980, bringing efficient
and green solutions to our satisfied customers

This experience as well as our know-how is your
guarantee for a good and reliable solution.

CONTACT US TO HEAR MORE

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