

## Reference Pig Farm

### Situation and problem definition

Like all intensive bio industry in warm climates, this pig farm is affected by heat problems. The constant influence of sun radiation on the roof tops and the heat generated by the cattle itself causes a heat build-up inside the stables. This heat build-up causes a lot of stress on the cattle and is using a lot of energy for cooling.

### Advise

Apply Supertherm on the roof to reflect 95% of the sun radiation (IR, UV and visible light) to reduce the heat build-up underneath the roof.

### Conclusion

After application, all treated surfaces are smooth and protected for at least 10 years and the heat build-up is reduced drastically with up to 15 degrees Celsius. Air conditioning and ventilation is using far less energy and the cattle is not influenced by heat stress anymore.

Pictures

