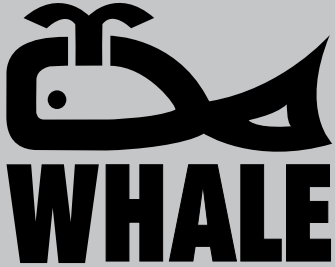


Schwank Case Study:

Energy and Carbon Savings funded by a Carbon Trust Interest Free Loan



"Both the CO² and energy savings are so good it is definitely good practice to install gas fired radiant heating from Schwank".

Mark Warmington
Managing Director
Whale Tankers



The Facility

Since 1969 the team at Whale has been serving its customers in the waste tanker market, and is now leader in the manufacture of liquid waste tankers and jetting equipment in Europe.

Through customer interaction, feedback and design innovation, Whale has ensured that its brand stands for durability, reliability and ease of maintenance, leading to high residual values on its vehicles.

They offer a full range of products to meet all their customers' needs, from standard vacuum tankers through to complex water recycling and deep-lift applications.

It is and always has been Whale's policy to continuously improve the environment as well as production methods. Their premises are set in 160 acres of woodlands and wetlands and were derelict when first acquired. They have been progressively developed with sensitivity to the environment.

Part of this haven for wildlife is designated a Site of Special Scientific Interest. Whale has also received two awards from the RSPB who described the site as 'a shining example of just how much industry can contribute to the natural world'.

The Issue

Whale had an existing heating system that was inefficient and was run on oil. It was a warm air system that was extremely expensive to operate, due to high oil prices, and was also very ineffective in heating the working areas of the factory.

The company sought to replace the existing system with a commercially acceptable, environmentally friendly, extremely efficient system providing good comfort levels for the workforce - even when roller shutter doors are opening and closing on a regular basis - and show high energy savings. No small task!

Whale were very keen on using heaters that were on the Energy Technology List run by the Carbon Trust. This would mean that the company could claim an interest free loan for the installation and also an enhanced capital allowance.



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Conclusion

The result - both financial and environmental - of replacing the oil fired warm air system for a Schwank gas fired radiant system have been excellent in terms of fuel savings and CO² reduction.

The heating system is now very flexible due to the various individual heating zones within the site's different buildings. Mark Warmington, Managing Director, is very pleased with the heating levels within the buildings and the Schwank heaters that have been installed. The heating is virtually instant and does not have to be set to come on as early as it was previously to attain temperature.

As a result running cost savings of 60% and similar reductions in carbon emissions have been achieved.



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