

# Moray Leisure Leads the Way...

Read how Moray Leisure takes its first steps to becoming an energy-efficient facility with Powermaster's help...

## Case Study: Moray Leisure Centre, Elgin.



**Moray Leisure Limited recently wanted to reduce their annual energy cost (£17,495) of the air handling units in its pool hall. (The system also works well for pool pump motors).**

Using a Carbon Trust interest-free loan, Moray Leisure LTD were able to purchase Variable Speed Drives (VSD's) from **Powermaster**, which, although costing £8,975, will be repaid in just one year, as the pay back through energy savings is around six months. Our suppliers of Variable Speed Drives, ABB & Halcyon, have supplied **Powermaster** with VSD's for many years and have helped us to save energy for hundreds of different organisations and buildings. In fact, the global installed base of ABB variable-speed drives alone saves enough energy to power the homes of *five million people* and cuts nearly *100 million tons* of CO2 emissions!

Situated in the Royal Burgh of Elgin, in the heart of Moray, Moray Leisure Centre has been the most popular leisure facility in the area since it was built in 1993. It was also one of the first leisure centres in Scotland to achieve Trust status.

A major area of energy spend was the swimming pool, which was costing around £18,000 just to provide fresh warm air. In order to find an energy efficient way to reduce this heating cost, Moray Leisure Limited contacted the Carbon Trust and **Powermaster**.

The Carbon Trust recommended that the trust purchase variable speed drives, which greatly reduce the energy costs by slowing down the fan speeds during less busy periods, as well as leading to savings of over £18,000 per year in energy bills.

To purchase the variable speed drives, they applied for a Carbon Trust loan which it received recently, and placed the order with **Powermaster**, who installed the variable speed drives two weeks ago. The energy savings are already being seen.

The project cost nearly £9,000 in total, but with an interest-free Carbon Trust loan, the investment will be repaid in less than one year, from the money saved on the energy bills.

Thereafter the project will contribute a minimum of £18000 pa, to the Trust, for investment in other areas, as well as reducing the greenhouse gas emissions(co2) by 115 tonnes pa.

Ken Lindsay (Maintenance Manager at Moray Leisure Centre) said: *"This scheme is one of several measures being implemented by Moray Leisure Limited to reduce energy consumption, reduce bills and help to combat climate change. If we can reduce CO2 emissions we can make an important contribution towards reducing global warming and greenhouse gas emissions."* As energy prices spiral, the savings will be even greater.

**Powermaster** will carry out site surveys, without charge, to establish potential savings and will undertake all the necessary paperwork for the Carbon Trust.

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