

## *Energy efficient HVAC solutions for the South Lanarkshire Schools*



Fläkt Woods has been awarded a contract by AMEC/FES to supply energy efficient HVAC solutions and the fan package for the South Lanarkshire Schools £352.2 million Public Finance Initiative (PFI) project in Scotland. This is the largest PFI project so far in the education sector in Scotland.



### ■ FACTS

**Customer:**  
AMEC/FES

**Need:**  
Comfort cooling with as little air movement as possible, a high degree of energy efficiency and low draught displacement.

**Solution:**  
Fläkt Woods' EU air handling units and chillers.



# Fläkt Woods - supplier to seven new schools in Scotland

Fläkt Woods is initially supplying 7 schools in the South Lanarkshire region in Scotland. The contract involves the construction and facilities management of seventeen new and two refurbished secondary schools for South Lanarkshire Council.

HVAC for new schools is a complex mixture of requirements. A critical factor in specific areas is comfort cooling, with as little air movement as possible, a high degree of energy efficiency and low draught displacement.

## Meeting special requirements

To this end, Fläkt Woods technicians proposed a specific range of the company's products. This includes the EU air handlers with high efficiency fans delivering low SFP's. The EU units feature run-around coils and plate heat-exchanger heat recovery systems. For the ceiling voids Fläkt Woods' Voidpack air handling units were selected.

Fläkt Woods is also supplying chillers which are designed for high efficiency at part load as well as at peak load to minimise the overall annual energy consumption. In educational establishments, cooling water is needed during periods of the year when the outdoor temperature is low. By installing a chiller with a free cooling circuit, it is possible to cool the water without running the compressors, which saves a considerable amount of energy, reducing wear and maintenance costs.



## Environmental thinking

Linden Shuttleworth, Systems Segment Manager said "We are providing the complete HVAC package for the new schools. Our products were accepted for their exclusive environmental properties and because, as a Company, we can provide a range of precision products that meet every requirement of the contract".



### The EU range

The EU range offers all needed functionality and high degree of flexibility.

### The Chillers range

The Fläkt Woods range of chillers are designed to minimise the overall annual energy consumption.

### Fläkt Woods Group

Fläkt Woods is a global company providing solutions for ventilation and air treatment for buildings as well as fan solutions for Industry and Infrastructure applications.

### Contact information

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The logo for Fläkt Woods, featuring the company name in a bold, green, sans-serif font with a stylized green swoosh above the 't' in 'Woods'.