

Project Name: James Watt College, Kilwinning Campus, Ayrshire

Client: Ke Project Limited

Services Value: £830,000*



Taylor and Fraser

Case Studies

We were invited by the Design Team to participate from an early stage and develop the Mechanical Services design to meet the overall project requirements in terms of quality, installation, design life and ease of maintenance. The new James Watt College at Kilwinning was constructed under the Government's Private Finance Initiative (PFI), a first for Taylor and Fraser.

The Mechanical Services installation comprised:

- Gas fired LTHW boiler plant serving radiant panels within lecture areas, radiators in stairwells and coils within air handling units
- Air handling units providing general supply and extract ventilation throughout
- External condensers
- VRV system to serve computer areas
- External water ring main and fire hydrants
- Full BMS to provide integrated control of the mechanical services



"The Kilwinning Campus of James Watt College has proved to be an enormous success to the communities in North Ayrshire. Opened in August 2000, it has attracted so many students that the College is hoping to expand facilities by 25% for academic year 2006/7".

"Our thanks to Taylor and Fraser Limited for successfully undertaking the Mechanical Services Installations on this project; a well engineered project".

Alastair Clelland, Vice Principal



- Architect: Boswell Mitchell and Johnston • Consulting Engineer: Donald Smith Semour and Rooley
- Quantity Surveyor: Davis Langdon and Everest • Main Contractor: Melville Dundas

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*Value is for reference only and is approximate