

## RETROFIT BUILDING DELIVERS ENERGY EFFICIENCY

### ARCHITECTURAL PROFILES LIMITED



*The newly redeveloped Trowbridge County Hall*

Wiltshire County Council's workplace transformation scheme has seen Trowbridge County Hall redeveloped with the specific aim of reducing energy consumption by 40 per cent. "We started by looking at the building envelope first, improving insulation and airtightness to reduce the energy demand of the building" says engineering consultants WSP project manager Andrew Selway.

The 40 per cent reduction in carbon emissions was achieved by thermal upgrades to the walls and roof, replacement glazing and a comprehensive services overhaul. A BREEAM 'Excellent' rating is also anticipated which would be a significant achievement for a refurbishment scheme.

Architects Stride Treglown specified the products and systems of Architectural Profiles Limited to provide a retrofit building envelope, which could achieve the dramatic visual impact that they needed whilst also delivering the energy efficiencies the client imposed upon the project.

The system specified was APL Slimwall CPS aluminium rainscreen system with 20mm wide reveal joints to all sides and all hung on an APL Tritherm support grid. Additional insulation was introduced into the cavity. The rainscreen and specialist fabrications were all PPC coated in RAL 7012 slate grey.

APL provide a portfolio of products and systems for the whole building envelope, including roofs, for both retrofit refurbishment and new build applications.



*Trowbridge County Hall before its redevelopment*



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