



**Welsh Joint Education Committee      CARDIFF**

SVCS03

**SolaVeil® technology choice, compliments new headquarters to encourage lower future Energy Usage**

When the WJEC decided to build its new headquarters in Cardiff, main architect Capita Architecture decided that SolaVeil® would be the perfect solution to help WJEC reduce the building's long term energy usage.

WJEC decided it would develop a new headquarters for the charity and its 300 employees and work began in August 2007. The project team involved in the new development included Capita Architecture.

SolaVeil's ground breaking daylighting technology was chosen as it allowed natural daylight into the building whilst reducing the twin problems of glare and heat gain. Lowering these two key energy factors make a major contribution to the building's ability to reduce energy consumption in the long-term.

Employees were convinced by the technology right from the start and they have been impressed with the environmental effect SolaVeil has had inside the building. The increased natural daylight, reduction in glare and even light distribution, creates a better and more natural working environment.



|                        |  |
|------------------------|--|
| <b>Industry Sector</b> | Education<br>Charity   |
| <b>Business Driver</b> | Energy reduction<br>Enabling technology  |
| <b>Product</b>         | SolaVeil Cool Energy   |
| <b>Benefits</b>        | Reduced artificial light<br>Lower internal temperatures<br>More natural daylight<br>Greater staff comfort<br>Reduced energy use<br>Reduced CO2 emissions |
| <b>Savings</b>         |  |
| Payback                | 4 Years  |
| Energy Consumption     | Reduced by 30%   |

**Comments**

*"SolaVeil has made a significant difference to the temperature of the offices where it has been fitted. It has also improved the lighting and controlled glare in the offices and has simply made the building a more comfortable place to work in. I'm sure that WJEC will benefit from reduced solar glare and energy bills in the long term."*

Paul Hindmarsh, Facilities Manager WJEC



## Performance

Over half the floor plate is lit by natural daylight

At 4.5 metres from the facade SolaVeil provides 600 lux of illumination at desk level.

On the West elevation sunlight is filtered to reduce glare and solar heat gain.

Although the new headquarters were only recently completed, WJEC has been pleased with the results seen so far.

Employees were convinced by the product right from the start and they have been impressed with the effect SolaVeil has had on the quality of their working experience. The increased natural daylight and reduction in glare means they feel that they have an overall better working environment.



*“We’ve seen how this product works, we’ve seen the testing results, and we’ve seen that other organisations across the UK have benefited from carbon savings. We definitely expect WJEC to see the full impact SolaVeil will have in terms of energy cost-cutting in the future.”*

**Alex Robertson**  
Capita Architecture