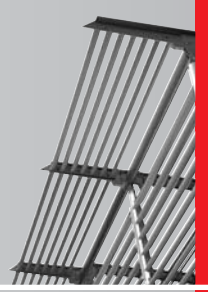




Louvre Systems Ltd



## Back to the future with Brunel!



Isambard Kingdom Brunel would have appreciated the practical engineering skills employed in erecting the impressive external Solar Shading System that covers the newly refurbished Hamilton Centre at Brunel University in Uxbridge.

This multi-million pound project was designed by Devereux Architects as a pilot scheme for future buildings on the campus. The building houses student and staff facilities, including night club, two bars and a refectory. Par Louvre Systems were chosen to supply and install the vast external solar shading system that covers the south elevation and that partially covers the east and west elevations. The large aluminium aerofoil blades that make up the system are designed to improve environmental quality whilst giving the building improved scale, appearance and presence.

A stylish and elegant feature of the system, also supplied and fixed by Par Louvre Systems are the hollow steel elliptical columns (320mm x 160mm), which support the arrays of PAR IC 360mm louvre blades. The architect has also carefully selected varying shades of special polyester powder paint finish to create a graduated appearance to the banks of louvre.

Another striking feature of the project is the high level louvred canopy made up of PAR IC 200mm and IC 150mm blades. The canopy projects out from the South façade oversailing the vertical arrays of louvre and thereby adding more effective shading area to the windows whilst providing a pleasing architectural feature.

The new 'Parafix' bolt fixing system was utilised on this project to ensure that thermal expansion and contraction was allowed for in extreme temperatures, thereby eliminating the possibility of buckled heat stressed metal.

## Brunel University

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