

SIEMENS PAVILION



The Pavilion designed by Atlantic Design Projects Ltd uses the J & J Carter [Hampshire Structures Series 200](#) aluminium clearspan building technology.

The original design, featuring a gracefully curved roof, was to be built using steel and single layer tensile fabric technology. However in order to keep costs as competitive as possible, yet deliver a building which still complies with planning consent, J & J Carter designed an alternative solution using their proprietary system technology.

The [Hampshire Structures Series 200](#) - 15m span curved roof structure provides 300m² of exhibition space with a 75m² cantilevered roof to the front façade to provide a covered outdoor area. The pavilion has been engineered to full building code in accordance with B.S 6399 which permits the structure to be used all year round.

J & J Carter's have integrated a 50cm raised [steel sub-frame flooring](#) system, with a section removed to enable visitors to board the Inspiro train exactly as you would in an underground station. The floor has been designed and engineered to support

a live load of 4 kN/m². Entrances have integrated ramps and handrails with non-slip decking.

Rear and Side Elevations have been clad using J & J Carter's own 40mm thick UPVC modular walling system, with the Front Façade Glazed 4m high. Entrances to the Pavilion use electronic sliding doors by Oasis.

The roof cladding chosen was J & J Carter's innovative inflated double layer PVC tensile roof membrane which enhances the building's thermal performance. The membrane also helps to block-out light to enable best use of the projection system inside.

Customer testimonial: *"We are delighted with the Pavilion structure supplied by J J Carter. It has provided us with a strong, spacious and flexible solution that proved the perfect backdrop and housing for our Going Underground exhibition."* - Siemens and Atlantic Design.

KEY FACTS

LOCATION: United Kingdom

STRUCTURES: Frame Supported

INDUSTRY: Transport

ROOF FORMS: Barrel Vault

MATERIALS: PVC/PES