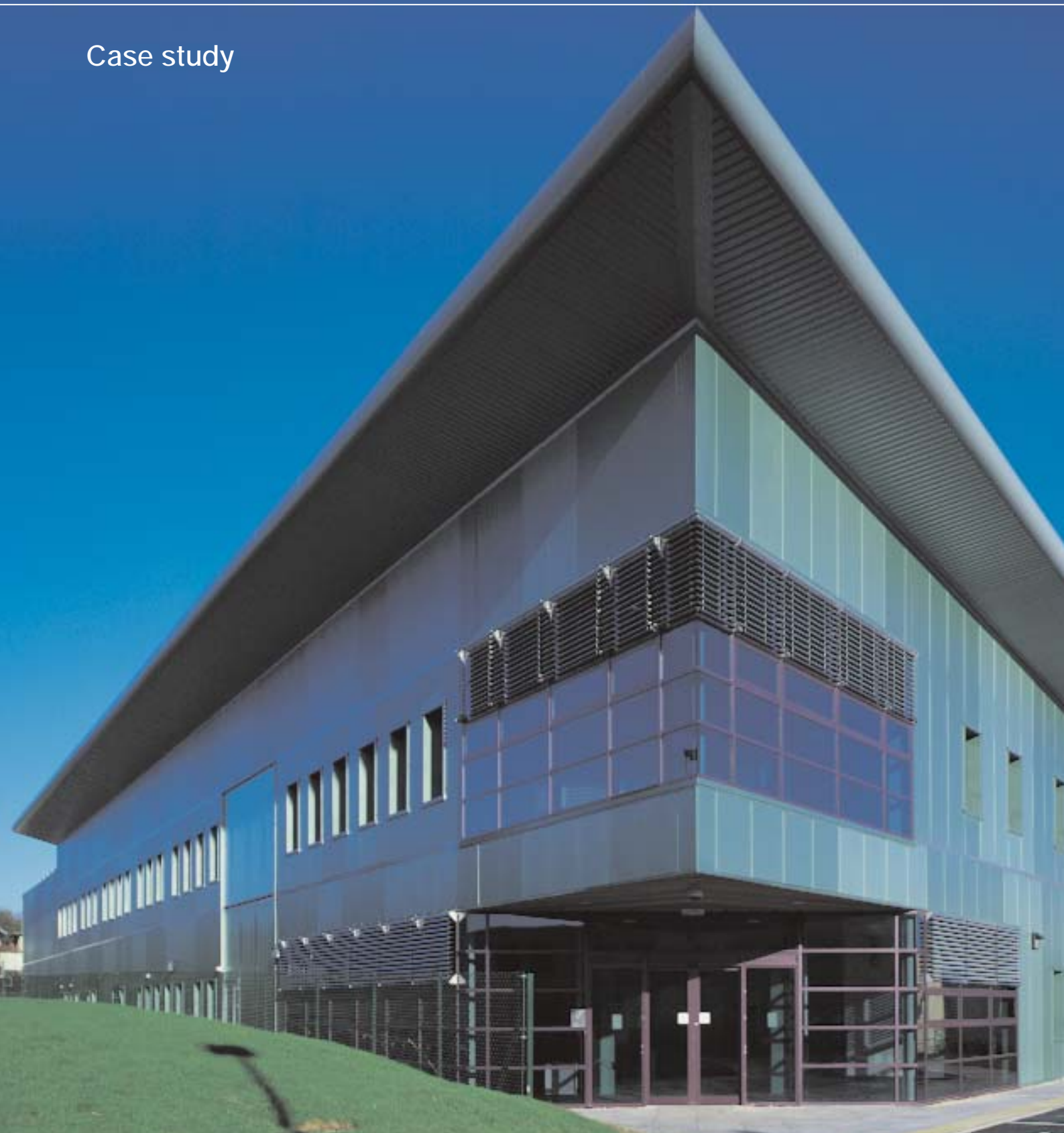


Corus Colors

Hospital treatment centre

Case study





Case study

Hospital treatment centre

Milton Keynes

Architect: Nightingale Associates

Contractor: Norwest Holst
Construction Limited

Cladding contractor: Hickton
Construction Ltd

System manufacturer: Kingspan

System type: Composite panels

Profile type: Micro-rib

Colorcoat® product:

Celestia® (walls)



Juno



Pegasus



Colorcoat® products played a major role in the construction of Milton Keynes treatment centre, a new autonomous part of Milton Keynes General Hospital designed to treat surgery day patients. Milton Keynes health authority has been working to assess the need for future capacity for two years, supported by consultancy work in both acute and intermediary care. The building was designed with the function of treating day surgery patients whose recovery times from operations are less than 24 hours. The treatment centre was built under the pilot scheme for the ProCure 21

form of procurement making it one of the first of its kind. ProCure 21 was launched in 2000 as the NHS response to the Egan Report. It provides a standardised approach to the procurement of healthcare facilities based on long term relationships with carefully selected supply chains, which have the ability to work with NHS clients across the whole life cycle of a scheme. Key clinical benefits include a centralised and efficient pre-assessment suite, efficient co-location between key functions, and separation of elective from emergency procedures.

The brief

Due to the speed of the programme, a number of decisions were taken early on in the design process. The whole theme of the building needed to be non-threatening and conducive to patient's recovery with colour playing an integral design role. The Trust liaised with the Community Health Council who tabled colour schemes for the Treatment Centre at public meetings. Architect Paul Menadue explains the design specification. "We wanted the main unit to have its own identity and to be distinct from its surroundings," he says. "We started out with an elliptical, curved shape enclosing a central atrium with copper cladding for the walls. However, we realised that the level of accommodation required dictated a more rational shape and cost restraints prevented the application of copper."



The building

The architects tried a number of Colorcoat Celestia® colour combinations before deciding upon Juno and Pegasus as the best colour scheme. It was important for the wall cladding to complement both the windows which are deep aubergine in colour, and the roof which is a dramatic mono pitch aluminium standing seam structure. The roof creates a sharp wedge shape with oversailing eaves to provide shading for the glazing and the colour of the windows appears to change, depending on the level of natural light.

The Trust gave its approval to *Colorcoat Celestia* in Juno and Pegasus as they felt it was sympathetic to the original desire for copper cladding. The wall cladding was fixed vertically to break up the horizontal shape of the elevations and then split horizontally by a contrasting flashing strip with the vertical cladding panels offset to each other. The cladding itself has a fine surface profile to it, again to modulate the form of the building.

The importance of colour

The use of colour in healthcare establishments, both internally and externally, is recognised as a valuable medium for improving the patient environment and thus assisting with the healing process. The use of *Colorcoat Celestia* demonstrated the versatility and adaptability of pre-finished steel and its ability to blend in with other materials, without compromising visual appeal. **“We wanted to create a building that was non threatening and different from the common perception of the traditional hospital building,”** continues Paul Menadue. **“Colorcoat Celestia enabled us to achieve this within the budget allowed. It was used boldly to create a contrast that provides a range of vibrant tones, the antithesis of a traditional and conventional healthcare establishment. Its metallic qualities offer resonance and vibrancy to the building intended to uplift patients and visitors.”**

Paul Cross, Project manager of the Treatment Centre at the Trust comments, **“this is a very important and landmark project as it is one of the first of its kind and could become the blueprint for future developments of this nature.”**

Colour visualisations



Option 1 – Juno and Pegasus



Option 2 – Helios, Artemis and Midas



Option 3 – Electra, Delphi and Atlantis



Option 4 – Juno, Pegasus and Isis