



## Nottingham Trent University Byron House & Gill Street

**Contractor:** Vinci Construction

**Client:** University Partnership Programme

£60m expansion of Nottingham Trent University including new students' union, student accommodation and other facilities totalling 55,000 sq ft of living space for students.

**Housing Type:** High quality student accommodation

**Project Size:** 900 student accommodation bed spaces, welfare facilities and 55,000 sq ft of living space for students.

**Product Specification:** BRE Green Guide A+ Sidey SolarthermPlus® Tilt only and Tilt Turn windows manufactured with profiles meeting BS12608 Class A wall thickness and to meet BS7950 for enhanced security. UV stable acrylic capped foil to RAL 7012 grey with 'smooth' finish to give aluminium external appearance. Uniquely, the windows include an integrated but concealed black out blind system operated from both top and bottom via a magnet system designed to mitigate student damage and minimise ongoing maintenance costs. Whole window u-value to 1.1W/m<sup>2</sup>K. All glass was protected with Sidey's Scratchguard™ System to mitigate scratched glass. German hardware and handles with built in restrictors for robustness. Steel doors to high volume areas and aluminium door sets to others. Colour matched SolarthermPlus® Aluminium Curtain wall, designed to meet 1.4W/m<sup>2</sup>K, and with unique keyway feature for fast assembly on site

**Measured Benefit:** In line with the client's requirements for low whole life costs, Sidey provided our A+ window with unique integrated blind solution that mitigated ongoing maintenance, cleaning and re-fire proofing costs associated with curtains, whilst giving 100% black-out performance. The unintended consequence of the blind solution gave a significant u-value betterment meaning potential savings in wall, roof and floor insulation levels. A truly sustainable, modern and versatile fenestration solution.

**Duration:** 10-months

**Complexity:** Due to the very tight site in a built up area Sidey had to tightly manage deliveries and installations whilst fulfilling very stringent health & safety helped by our OHSAS18001 accreditation.