



A CRH COMPANY

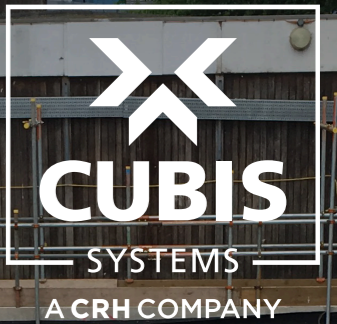
STAKKAbox™ Access Chamber Systems

IP Central - HS2 ONW South -
Euston Enabling Works



STAKKAbox™ ULTIMA Connect

IP Central - HS2 ONW South - Euston Enabling Works



We used the Cubis' STAKKAbox™ system to form a number of draw pits for the construction of a new substation as part of the Euston station enabling works to prepare for HS2.

The Cubis STAKKAbox™ system was great to use as each section is less than 25kg's so could be manually installed across our site in a number of areas that had limited plan access.

During the manufacture, we liaised with Cubis to get detailed fabrication drawings and agree all the size and location of the duct holes. These duct locations were pre-drilled prior to delivery and installation on site.

Each draw pit was delivered to site fully assembled on its own pallet with lid included, simplifying assembly on site.

The draw pits have been installed and backfilled with their covers fixed in place. The Cubis STAKKAbox™ system was quick and easy to install with assistance from their technical department as and when required.

On future projects, I will be looking to use the Cubis STAKKAbox™ system again.

Agent - Skanska UK

The vast scope of redevelopment to transform London Euston Station into the first modern, intercity transport hub for high-speed rail services is well underway. Euston Station is one of 4 stations that will be transformed ahead of the new High Speed 2 (HS2) rail line connecting London to the Midlands, the north of England and Scotland. Network Rail and Skanska, on behalf of HS2 are delivering enabling works at the station and surrounding area, with the groundworks being subcontracted to Kilnbridge. This will see the eventual construction of a 25,260m² terminus, new high-speed platforms and improvements to the surrounding open public areas.

To enable the new Euston station development to take place, works have begun on constructing a new electrical substation that will assist in powering the station and its facilities. The new substation, located just off the main London Euston line at Barnby, has been erected to distribute both HV and LV power cables into the substation and onward to the track and station. The substation, like many new buildings in London, is located within a restricted area with limited access, storage and mobility.

The project had a requirement for cable draw pits with easy accessibility for new power cables and in the future-proofing of the development for any new HS2 station and track cabling requirements. However, site conditions would not allow for a traditional concrete access chamber construction due weight and access restrictions. Cubis were approached to provide advice on our innovative, lightweight and modular access chamber range, STAKKAbox™.

The team at Skanska worked with the Cubis Technical team to design and specify STAKKAbox™ ULTIMA Connect due to its lightweight and flexible onsite capabilities with the capacity to be installed manually without the need for skilled wet trades. The individual 150mm deep sections of twin-wall GRP that make up the ULTIMA Connect chamber system provided a lightweight, modular solution with components falling under 25kg making them suitable for a single person lift under manual handling regulations. With the added flexibility of being delivered to site with pre-drilled duct entries and the need only to reassemble the chamber components, the overall installation was significantly faster in comparison to conventional alternatives.

STAKKAbox™ ULTIMA Connect was designed and supplied to seamlessly integrate with Cubis' B125 composite AX-S™ recessed access covers, providing a complete site chamber access and cover solution, while offering an improved aesthetic finish to the open public space, situated alongside the new substation. This integrated system offered a complete solution for the customer, reducing both time, health and safety risks and resulting in a significant overall cost saving.



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Driven by Innovation

Cubis is Europe's leading manufacturer of network access chamber and ducting systems, used in the construction of infrastructure networks for rail, telecoms, water, construction and power markets.

Cubis has developed an innovative approach in an old-fashioned industry. This has been achieved by developing quality products which replace traditional construction materials, like bricks and concrete, with lightweight plastics incorporating intelligent design features. These can then be installed faster and ultimately save our customers both time and money.

Cubis manufactures preformed network access chamber systems STAKKAbox™, AX-S™ access covers, cable protection, MULTIduct™ and PROtrough cable trough at its manufacturing sites throughout the UK and Ireland these products are exported to more than 25 countries throughout the World.

At Cubis we pride ourselves on delivering technical customer support, new innovation, product quality and the highest levels of customer satisfaction.