

## New Aldi Supermarket and Substation Re-Site, Hall Road Retail Park, Norwich

### CASE STUDY



Aldi, Norwich

### OVERVIEW

Schroder UK Real Estate Fund secured planning consent to develop a new 18,320 sq ft retail warehouse unit for supermarket chain Aldi at the Hall Road Retail Park in Norwich.

Schroder appointed TÜV SÜD as MEP consultant. One of their roles was to arrange a new 140kVA electricity connection for the supermarket and re-site an existing UK Power Networks substation and adjacent private low voltage supply kiosk on the development site. Stormport's marketing team contacted TÜV SÜD about this project and we were invited to submit a proposal for the work.

### CHALLENGE

The new supermarket was being constructed on a well-established, large retail park. This project was complicated by the private low voltage supply kiosk adjacent to the existing substation. Initially no information was available about the customer it supplied but Stormport established this was a 300kVA supply to a large furniture shop on the same site. We then discussed the procedure required to shut down and transfer the furniture shop's power supply over to the new substation. It was agreed we would do this one evening after the shop had closed at 8pm to minimise the impact on their business.



## THE PROCESS

Stormport designed the new substation and LV distribution which was approved by UK Power Networks. We also designed and manufactured a bespoke LV main switch and termination arrangement for the seven single-core incoming cables from the new substation and the two outgoing cables to the furniture shop.

## THE SOLUTION

Ipsum developed a good working relationship with the main building contractor for the site, as our work was very closely tied to their programme.

 Firstly, the new substation and LV kiosk were constructed and cable tails laid out.

 The new substation was then energised and three existing supplies were transferred by live jointing techniques to avoid shutdowns for the nearby retail customers.

 Finally, the evening shutdown was completed to transfer the furniture shop to the new substation. The old substation was decommissioned and removed to enable the site completion works to take place.

## RESULTS

All work was completed to programme. Customer supply interruptions were kept to a minimum during the transfer works and the Aldi store was energised in ample time for completion and handover.

