

Providing a new 1000kVA supply to David Lewis Street

Customer: Utility Connections



DNO: Scottish Power



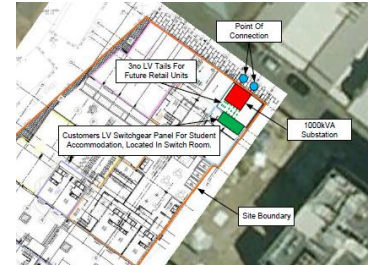
IDNO: SSE



Location: David Lewis Street, Liverpool, L1 4AU

The David Lewis scheme consisted of the HV & LV Connection into a newly constructed building onto Scottish Power's network in Liverpool. The Transformer and LV cabinet were adopted by the IDNO. Although working within central Liverpool, GEW2 managed to complete all works without complaint, and supply the first integrated IDNO substation.

During the civils work, GEW2 came across historic flagstone along the route. GEW2 managed to action the issue straight away for removal and continued the dig to deliver the connection on time. Although a number of design variants came up to accommodate the Scottish Power substation requirements, GEW2 worked tirelessly to retrieve an approval and secure the required connection.



David Lewis Street Site Layout

Scope:

- Supply and Install a 1000kVA package substation, including two free standing X-Type Ring Main Unit, 1000kVA free standing transformer, and a 1600A ACB LV cabinet.
- Supply and Install 4 11kV terminations into the SSE side of the substation and 7 terminations into the customer side.
- Testing and commissioning of the 1000kVA substation.
- Obtaining a Section 50 license to allow for excavation in the public highway.
- Transformer and LV cabinet adopted by IDNO (SSE).
- 2 HV joints made onto the exiting Scottish Power HV cable.
- Earthing design and installation for the 1000kVA substation.
- Protection panel and battery charger
- Extensive Protection scheme design and installation

SP 1000kVa Package Substation



SSE 1000kVa Package Substation

