

# Swindon Borough Council Substation Construction

**£150k**  
/ Project Value

**December 2019**  
/ Project Commenced

**February 2020**  
/ Project Completed



## Introduction

This project was part of the well-known Kimmerfields Development in Swindon Town Centre in which SSE, the local Utility Provider, required a new substation to enable a new power supply.

BCM were contracted to build the brand-new substation (D 4.7m x W 9m x H 3.5m ) for Swindon Borough Council. This allowed the existing substation to be decommissioned. The specification of these civils works were of the highest architectural standard. The new substation was essential to all enabling works as the substation was the first step in the construction of the new Zurich insurance building.

The Zurich office block forms part of the implementation on the first sector of The Kimmerfields Development (Swindon Town Centre). Its new location falls within the boundary of the Swindon Bus Station.

Further to our completion of the substation construction, BCM were tasked to carry out the trenching for the new associated cabling, coordinating the laying of the cables and subsequent jointing with SSE.



## Project Deliverables

- Excavating and Footings
- In-Situ Concrete Works – Foundations and bases (Transformers included)
- Precast Concrete
- Masonry internal and external walls
- Carpentry – Roofing/Joists/Transformer base shuttering, formwork
- Sheet Roof Coverings – Bauder Roof System
- Cladding & Covering – Flashing and Chute Dressing
- Windows, Screens & Lights - Louvres, Shutters, Canopies and Blinds
- Doors, Shutters & Hatches – Sunray Venta Door
- Metalwork – Isolated Metal Members/Lintels
- Decoration
- Furniture, Fittings & Equipment – Including Palisade fencing installation
- Drainage Below Ground
- Site Works
- SSE Trenching

## Challenges and Solutions:

**Challenge** – Architectural Specification, the approved for construction design (Produced by Swindon Borough Council) did not align with the Architect set requirements. The brick arrangement was changed to a new specification which resulted in many on site changes approved by the onsite Architect and Local Building Control.

**Solution** – Key Stakeholder management with both Swindon Council and Local building control, this consisted of weekly on-site meetings, detailed daily Construction Reports, Periodic Meetings captured by open space 360 camera technology.

**Challenge** – Traffic Management, building/construction works within an operational Bus Station

**Solution** – Stake Holder management with the Station Manager and Council. Detailed Traffic Management plans put in place and signed off by the relevant parties involved.

**Challenge** – Adverse Weather Conditions causing delay to construction

**Solution** – Collaborative planning with the Client to resolve realistic milestones, prioritisation of key works, increase to resource to hit end date

### Commendation:

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