# Project Profile



## HOLLOW CORE FIBRE CONNECTION DATA CENTRE

**CENTRAL LONDON - WEST LONDON** 

Team - Comms | Value - £500k | Distance (km) - 32km

Client - Undisclosed | Duration - 3 months | Date - 2023

### **Pre-construction**

The proposed route was surveyed in advance to assess feasibility and identify any constraints. All necessary permits and statutory notices were applied for in accordance with regulatory requirements. A detailed project plan and comprehensive risk assessments were developed to ensure safe and efficient delivery. Access to canal footpaths was agreed to facilitate construction activities with minimal disruption.

#### Construction

The construction phase included the installation of 46 metres of new ductwork and the construction of 16 new chambers. A total of 30,259 metres of ducting was successfully proved to confirm route integrity. Following this, 32,372 metres of 4-fibre hollow core fibre (HCF) cable were installed, with all splicing completed to a high standard. Final HCF testing was carried out in accordance with client specifications to ensure system performance and compliance.

#### **Post-construction**

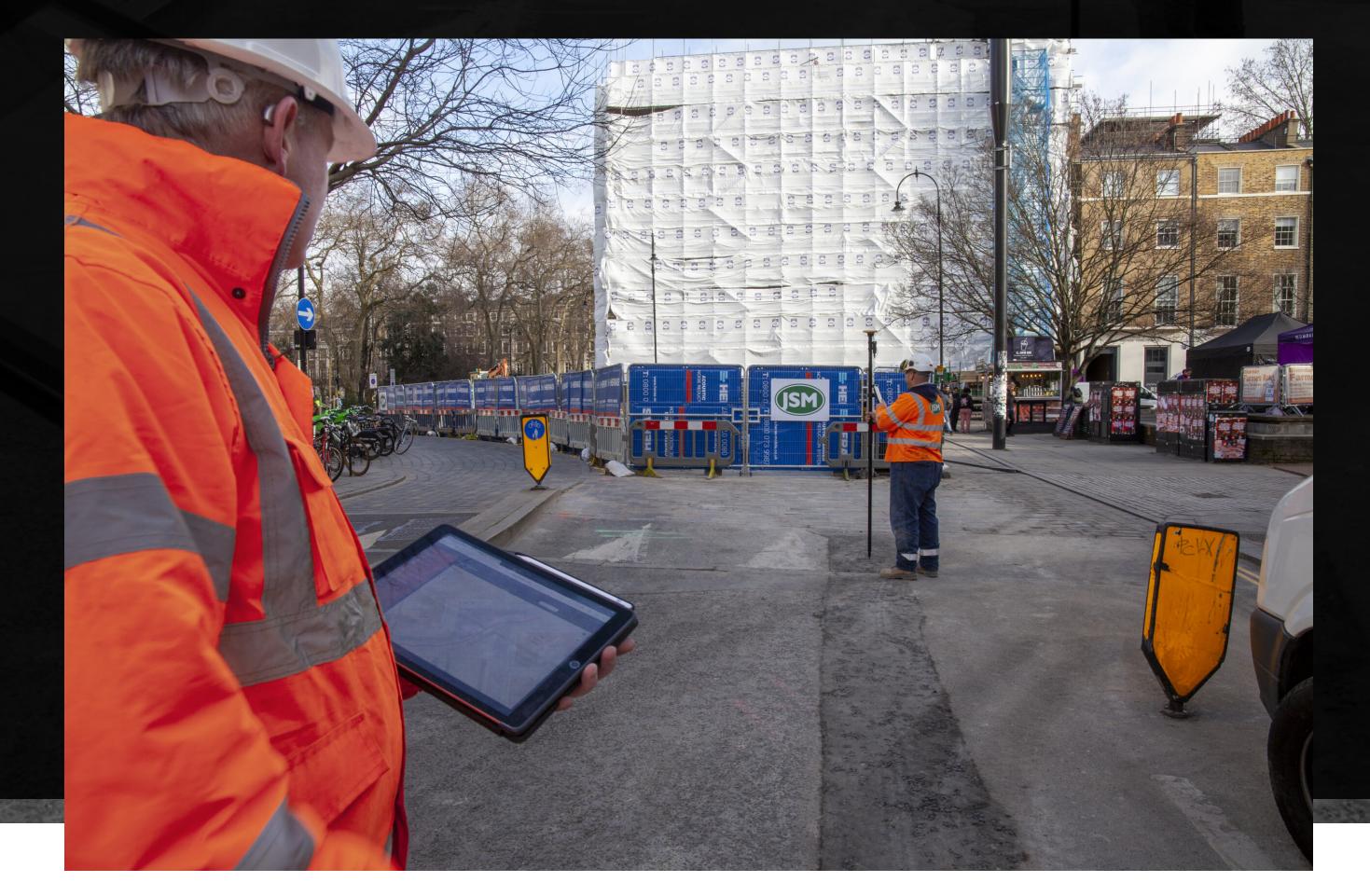
Upon completion, as-built chamber drawings were produced along with fibre routing single-line diagrams (SLDs) and final test results. These documents were submitted to the client to confirm that all works met the required standards and specifications.

## Challenges

Communication and authorisation from the Canal & River Trust (CRT) regarding canal works

## **Solutions**

All works were completed in line with CRT requirements and client specifications through proactive coordination and compliance using barges and specialist supervision along the canal footpath.



As-built drawings

46m new Ductwork

Testing

16 Chambers

Hollow core fibre

Splicing

Barges

Permit management