



FIBRE TO THE HOME PROJECT UNIVERSITY OF HULL - PROJECT BRIEFING

"The University's original plan had been to install wireless access points throughout our estate of terraced student houses. SCD offered us its in-house civil engineering and optical fibre cabling capabilities as a turnkey solution. We found it was more cost effective to install our own private ducted infrastructure with dark fibre from communities of houses directly back to our two resilient data centres."

University of Hull





University of Hull

Fibre to the Home Project

The University of Hull needed to develop the network capabilities in its own student houses. In order to help attract the brightest students it was essential to offer them a high capacity and reliable network infrastructure that was simple to manage.

Having initially considered a largely wireless infrastructure SCD's turnkey solution has given the University its own duct infrastructure with private optical fibre to the houses.



SCD worked closely with the University for a year prior to commencing works on the Student Houses project.

The final scheme involved grouping adjacent student houses into 60 'communities'. Within each community a house was selected to become the Home Hub.

In order to provide a fully resilient solution SCD installed two diverse pairs of fibres from the Home Hub, one pair to each of the University's two data centres. 100% additional resilient capacity has also been built into the system.

Students at the University of Hull now benefit from a high speed, high availability infrastructure that can support their bandwidth demands for years to come.

Initially the students will use the system for internet and University Intranet access but IP telephony is not far behind.

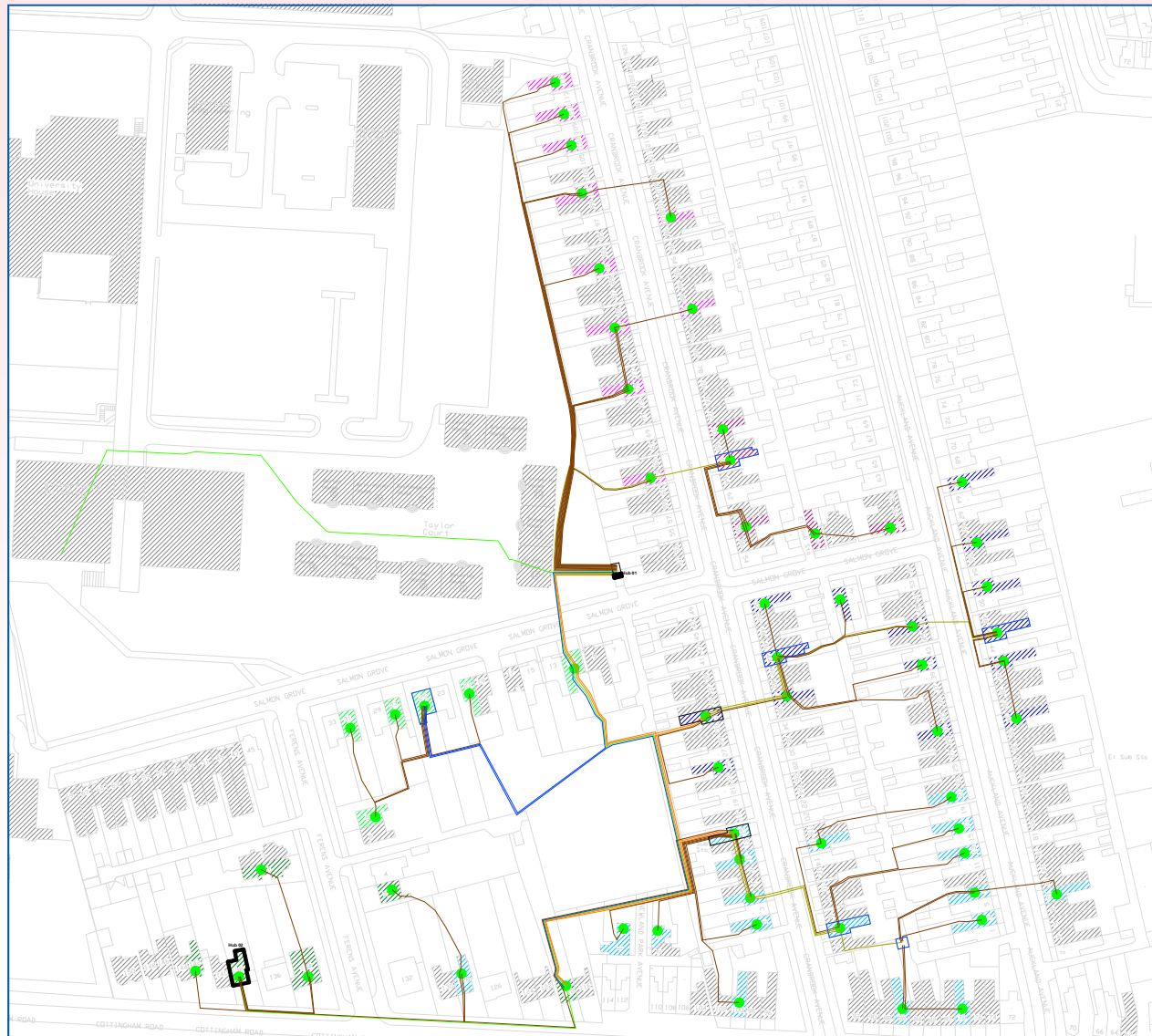
Project Summary

- Civil Engineering:
 - ◇ 2.5km of 100mm telecommunications grade duct network within the campus estate and on the public highway
 - ◇ Full liaison with local authority highways department
 - ◇ Section 50 licensing
 - ◇ Project management
- Optical Fibre Cable:
 - ◇ Over 10km of optical fibre cable
 - ◇ Full installation, termination and testing










University of Hull

Fibre to the Home Project - Fibre Topology



Key

-  University owned property
-  Home Hub
-  144 core fibre
-  96 core fibre
-  48 core fibre
-  24 core fibre
-  8 core fibre