



# FIBRE OPTIC METROPOLITAN AREA NETWORK

## SHEFFIELD CITY COUNCIL CASE STUDY - PROJECT BRIEFING





# SWISS

## *Sheffield Wide Integrated Switching System*

In 2000 a partnership comprising Sheffield City Council, South Yorkshire Police, South Yorkshire Passenger Transport Executive, Meadowhall Shopping Centre and four local communities was formed. Their objective was to jointly finance and create a shared optical fibre network throughout strategically important areas of Sheffield supporting new CCTV, ANPR and UTC services.



SCD is proud to have been involved in the SWISS project since its inception.

The project is complex as addresses the different objectives of the participating agencies. However, by taking a joint approach a single fibre optic infrastructure has been installed to serve Sheffield as a whole.

Similarly, as the network continues to expand each agency gains a larger footprint across Sheffield.

The backbone of the network radiates from the City Centre by using ducts built along side the SuperTram network and incorporating the main Council offices. Each tram stop has a discrete fibre splicing point.

Fibre spurs serving specific additional end points or communities connect to the backbone via any one of the 28 splicing points.

### Project Summary

- Pull fibre through SuperTram ducting
- Install and commission splicing points
- Lay new ducting for fibre spurs, install and terminate new fibres, including all associated civil works
- Lay CCTV and UTC camera bases
- Erect CCTV and UTC camera masts
- Annual Network Audit
- Network Asset Management