

Fibre Network Installation

Harry Peers Steelwork Limited www.peers.co.uk



The Problem

Harry Peers Steelwork Limited are an established structural solutions company based in Bolton. The business needed to present network points throughout their production halls in order to computerise their production processes. Harry Peers Steelwork required:

- a 200m fibre run through a hazardous environment.
- a network switch, linking the new network to their existing infrastructure.
- a 24-port, distributed network throughout the production halls.
- relocation of their existing 48-port patch cabinet.
- a 15 user thin client solution in their dusty welding hall.



Our Solution

Armoured 2GBps Fibre Link with dual redundancy

In order to fulfil the company's requirements, RatwareUK installed an ultra-fast 2GBps fibre link branching from their new communications cabinet to another new cabinet installed in the production hall.

Network modules were punched in, giving each welding station a data point.

RatwareUK configured link aggregation, so that the fibre bandwidth was 2GBps and could still operate at 1GBps if one link failed.

All fibre cable was armoured to prevent physical or electrical interference from the machines.

All CAT5e cable were shielded to prevent the same.

During the project, the company's main patch cabinet was also relocated. This involved running a new 40m CAT5e cable loom to the new cabinet location, decommissioning the old cabinet, joining each core in every cable together and presenting a new structured cabling solution at the new location.

The project lasted approximately 7 days and was carried out over a Christmas shutdown period as the core-network re-structure would have affected trading. The project was completed on time and the whole network was qualified to CAT5e standards using FLUKE network testers.

Finally, RatwareUK deployed a thin client solution in the production hall, which allows the end user to stream a desktop from a virtual server. These thin clients have been deployed in their own steel case with perspex front to prevent damage.

For more information on how we can help your business IT systems evolve and relocate smoothly, please contact us.

