



Case Study South Western Railway

HOW HAS UNISOL'S EXPERTISE IN FIBER SOLUTION HELPED CUSTOMERS?

OBJECTIVE

Three fiber links were down, preventing them from communicating with SCADA panels.

CHALLENGES

According to customer feedback, Unisol's Fiber Optic Patch Panel/ LIU is not operational, preventing communication with SCADA Panels.



HOW THE SOLUTION HELPED CUSTOMER



Problem Identification:

Our engineers visited the site and found the below problems:

- The Fiber Optic Patch Panel/LIU was not properly installed.
- Adapters and pigtails are not connected properly.
- Mismatch in color coding of the fiber core (1 to 1).
- Most of the dust caps were removed from connectors.

Solutions:

- We did OTDR testing on all the fibre cable and found out where the link is getting struck in between.
- Laser light testing on each core to ensure all the cores are working properly.
- We reassembled all the adapters and pigtails.
- Rerun the OTDR and laser light testing and ensure that all 3 links are working satisfactorily.



Customer Feedback?

The customer understood that there was no problem with the Unisol Fiber Optic Patch Panel.

What might have happened if you did not identify a solution?

The customer would have either reinvested in Fiber Optic Patch Panels and other fibre accessories or requested a replacement.

RESULTS

The three links' fibre connectivity are communicating with SCADA Panels up to customer satisfaction.