



# Case Study

**Project: 600mm ANSI Optical Distribution Frame**

**Sector: Original Equipment Manufacturer**



## Background:

A global telecommunications equipment manufacturer found that they were experiencing difficulty installing American National Standards Institute (ANSI) 23" format equipment inside a standard European format 600mm wide rack. Limited access space restricted fibre cable management which had a direct impact on the flexibility and operation of the ODF system.

## The Challenge:

How to fit a quart inside a pint pot? Mounting 23" equipment modules into racks designed for 19" format equipment is a conundrum, causing tight fits and very restricted access for installation and ongoing fibre management.

## Our Approach:

Rainford Solutions' approach involved understanding the operation of the ODF system and ANSI standards in detail - the difficult equipment installation process, restricted access and poor fibre management that were all causing problems - and designing a reconfigured rack solution to provide improved operational capabilities.

Rainford Solutions has completed almost 4,000 customer projects to date, which gives us a huge library of building blocks from previous designs and experience to draw upon. It means that unique designs do not begin from a completely blank piece of paper, so development costs and crucially time to market are not inhibitors to a highly tailored solution.

## The Solution:

The operational design of the new rack includes removable side panels and door frame enabling easy access and installation of ANSI equipment in a 600mm footprint, coupled with an innovative fibre management solution. The company logo was added as a finishing touch to the rack for brand identity.

## Customer Outcome:

The new branded rack solution with improved operational capability and fibre management has enabled the telecommunications supplier to sell the ANSI product into the UK market, adding a new product line to their portfolio.



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