



# AN POST

*Dublin (Ireland)*

<b>CLIENT</b>	An Post
<b>LOCATION</b>	Oak Road, Clondalkin, D12 Ireland (Dublin)
<b>OBJECTIVE</b>	New Install of CAT6A U/FTP network. Fibre Links between cabinets and Fibre for CCTV and cabinets.
<b>INSTALLER</b>	Excel Electrical

## THE CLIENT

An Post is the Irish Postal service.

An Post is a major commercial organisation providing a wide range of services which encompass postal, distribution and financial services. It is one of Ireland's largest companies directly employing over 9,500 people through its national network of retail, processing and delivery points. It provides agency services for Government Departments, the National Treasury Management Agency, the National Lottery and many other commercial bodies.

- collect, process and deliver 2.5 million items of mail to 2.2 million business and residential addresses
- using a fleet of over 2,600 vehicles and 1600 bicycles and serving 1.7 million customers every week through our unique national network
- 1100 Post offices and 104 postal agents in addition to the PostPoint payment channel at retail outlets nationwide



## THE PROJECT

An Post have taken on extra space on Oak Road (Clondalkin, Dublin 12) to facilitate the expansion of the package and parcelling service. This facility expects to handle in the region of 300 thousand packages per week. The Building is 5100 m<sup>2</sup> and was a shell before they moved in 12 months ago.

Due to the massive number of packages going through the building daily it is vital that An-Post management systems are reliable, fast and up to date. An Post management system is a Data Rich software that gives real time updates to assist in the smooth running of the day to day business. The new building is next door to the Dublin Mail Service and the two buildings work from the same system.

With highly sensitive information being handled by An Post security is paramount.

Excel Electrical a Gigamedia Platinum Partner were appointed to carry out the full scope of works for An Post which included the installation of Cat6A U/FTP DCA copper cabling along with 10Gig Shielded Cat6A keystone Connectors. The Cat6A solution is not just enabling the use of data but also the forty-five AV screens that show the real-time management system.

Due to the size of the building certain cabinets and CCTV poles are linked by Gigamedia Pre-terminated fibre links. Gigamedia PRE-T fibre as it's called, is manufactured in Gigamedia's workshop in France. All pre-terms are made to the client's specific needs. Before PRE-T is dispatched from the factory it undergoes a full OTDR Test and comes complete with an electronic QR code that links to the test results the description of the fibre and the engineer that manufactured it.

PRE-T is a fast-effective fibre solution that helps make the install more efficient for the installer speeds up the install, and delivers quality product within budget enabling the installer to get it completed on time and on to his next Gigamedia project.

On this project Excel Electrical have produced a secure 10gig network comprising of Gigamedia racks, Copper and Fibre solutions.

## GIGAMEDIA PRODUCT USED

- CAT6A 4P U/FTP LSZH Dca AWG23 White cable
- CAT6A 10G Ed2.2 POE+ Shielded toolless jack
- 19" Cabling floor standing cabinet GIGARACK Type 70 42 U 800 x 800
- 6u 450 deep Wall box
- 4 FO OM3 Tight buffered 900µ, LSZH, + glass yarns LC/LC
- 8 FO OM3 Tight buffered 900µ, LSZH, + glass yarns LC/LC
- Premium empty metal patch panel 24 port 1U
- Pre-loaded OM2/OM3 patch panel with 12 LC duplex adapters

