



Torrent Pharma

Torrent Pharma's new pharmaceutical facility in Malta required a structured cabling infrastructure capable of supporting a demanding mix of environments under one roof — specialised laboratories, controlled areas, administration offices, and full building IT services including Wi-Fi, CCTV and access control.

Works began in October 2023 and were completed during 2024. Alberta, barpa's partner in Malta, delivered the structured cabling and fibre backbone across the facility, alongside other safety and security systems on site.

Customer

Torrent Pharma

Integrator Partner

Alberta

Location

Birżebbuġa, Malta

Implemented Solution

Alberta supplied and installed the facility's complete structured cabling infrastructure, bringing laboratory, office, wireless and security systems together through a single, certified backbone.

Cat.6A U/FTP copper cabling provides connectivity throughout the laboratory and office areas, supporting Wi-Fi, CCTV, access control and general IT systems.

This is complemented by a fibre backbone comprising 48-core OS2 single-mode fibre and 48-core OM4 multimode fibre, linking the ISP entry point, Server Room, IT Disaster Recovery Room and Patch Room across the building's different levels.

Challenge

The facility's laboratory areas were densely packed with specialised machinery, equipment and other building services, all installed and operating in parallel with the cabling works. Routing cable through this environment without disrupting lab operations or other trades required careful planning.

Cable routes had to be coordinated around the equipment while maintaining proper segregation and physical protection — respecting both the working laboratory environment and the other installations happening on site at the same time.

Choosing our Partner

Alberta is a Malta-based provider of fire protection, security and structured cabling solutions. Combining technical expertise with practical installation experience, the company approaches connectivity as an integral part of a building's infrastructure, working closely with clients, consultants and contractors to address each project's requirements.

As barpa's partner in Malta, Alberta supplied and installed the structured cabling infrastructure for Torrent Pharma's facility in Birżebbuġa. Led by Luke Cillia, Technical Resources Manager, the team coordinated the installation around specialised laboratory equipment and other building services, ensuring careful cable routing, segregation and mechanical protection.

This combination of integrated systems expertise and close on-site coordination was particularly relevant to the project's demanding environment. By bringing barpa's cabling solutions together with Alberta's installation capabilities, the project delivered a fully tested network infrastructure supporting the facility's laboratory, office and security systems.

Installation

Method

The infrastructure was implemented using Cat.6A U/FTP copper cabling throughout, paired with an OS2 single-mode and OM4 multimode fiber backbone connecting the facility's core IT spaces.

Reason

The combination of laboratory, office, wireless and security systems operating across multiple levels called for a single high-performance, certified backbone capable of serving all of them reliably.

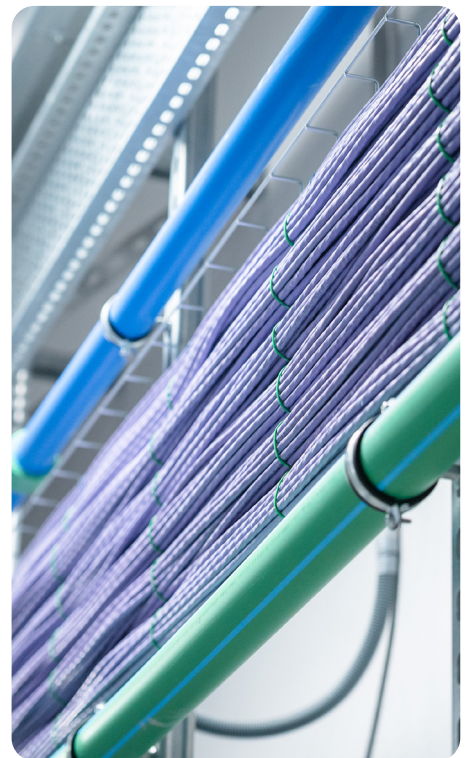
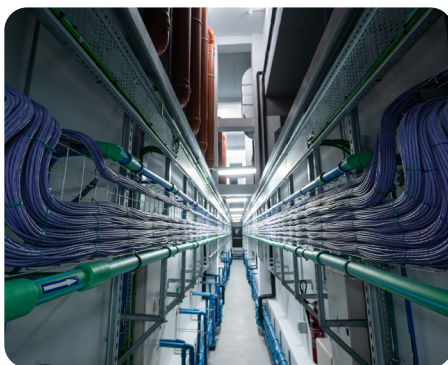
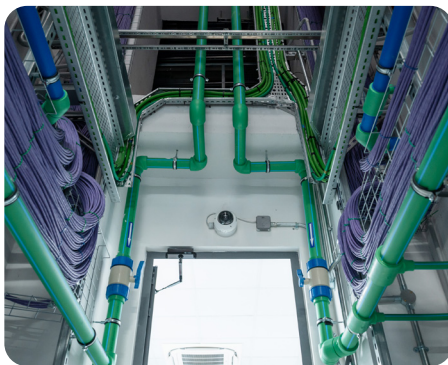
Execution

Installation was carried out in close coordination with the other works on site. Cables in reach or exposed areas were mechanically protected, segregated from low-voltage wiring, and external cabling was also mechanically protected. Close on-site coordination ensured the cabling work did not interfere with the operation or installation of laboratory equipment.

Once complete, all copper links were individually tested and certified. Certification records show the Cat.6A U/FTP cabling tested against the TIA Cat.6A Permanent Link limit, with all recorded links achieving PASS results.

Result

The completed installation gives Torrent Pharma a structured, fully tested network infrastructure supporting the facility's IT requirements across laboratory, administration and specialist areas. The combination of Cat.6A copper cabling and a dedicated fibre backbone delivers the connectivity required between the facility's core IT and network locations.



The Torrent Pharma project was a challenging installation because of the specialised laboratory environment and the amount of machinery and services we had to work around. Good planning and close coordination on site were essential, and we are pleased with the final result and the quality of the infrastructure delivered.

Luke Cillia

Technical Resources Manager • Alberta