

Case Study

Clinique St Pierre Ottignies

Customer	Clinique St Pierre Ottignies
Location	Ottignies, Belgium
Requirements	Provide a technically proven copper and fibre infrastructure within the budget and time constrictions.
Equipment	Excel Category 6 _A F/FTP and Excel OM3 Fibre

Customer's View

As one of the leading regional health centre's in Belgium, we needed a quality cabling infrastructure solution that would allow us to bring our IT system up to speed and support the various applications within the hospital for both our current needs and future requirements. Excel has given us the platform that we need and was installed within a very tight timescale with minimal disruption by Collignon.



The Hospital St Pierre was opened in 1937. The official site that we know today was officially opened in 1973. In 2010 they built a large extension "Wing 800" to be able to cope with the region's growing population.

The hospital is continuously looking to improve its service and help to the patients. They have a team of qualified staff who are on hand to offer the best support and they are continually improving the facilities, the services and the quality of the rooms. The use of technology is another area that is helping to improve the way in which the hospital works and interacts with their patients.



The Requirement

A technical specification was put together by the hospital and their consultant, to outline the requirements. This was issued as a public tender and manufacturers and integrators were invited to respond. The hospital was looking for a quality solution that was technically proven and covered both copper and fibre. Due to the fact that this was a working hospital it was imperative that the project could be completed within a very short timescale so that there was minimal disruption or delay to the patients and staff.

The Excel solution was put forward by Collignon and was chosen as the best solution for the hospital due to its proven technical capability and competitive price and the added reassurance that if required the installation could be supported by a 25 year warranty as Collignon are an accredited Excel Cabling Partner.

Sourcing a Partner

Collignon were chosen for the installation as they are specialists in the design, study, execution and maintenance of electrical, electromechanical and industrial installations and have over 65 years of experience. The company's 400 employees work in 10 departments based on their technical and/or industry skills. They are involved in a wide range of electrification and network installation projects. These ambitious projects include lighting; electricity transformation, electrical and IT network power supplies as well as security and access control using increasingly advanced detection and surveillance systems.

Collignon purchased the Excel solution through 4K, a distributor that offers a full-service and is well known amongst broadcasting, data networking and telecom as well as industrial market segments in the Belgian market and abroad for both its active and passive solutions. 4K has been distributing the Excel solution for a number of years and holds a large stock of Excel products and has an experienced team to provide pre and post sales and technical support.

The Solution

Excel provides a massive choice of copper and fibre products with high density solutions for where space is restricted. Due to the competitive price of the Excel system, Collignon were able to offer a high end solution. This included Excel screened Category 6A cable which was terminated into 2000 points situated throughout the building. The Category 6A (Class E) F/FTP solution provides 10 Gigabit Ethernet to ensure the network is future proofed and with it being screened cable, mitigating electromagnetic noise or any chance of alien cross talk from the various equipment being installed in the hospital. Further reassurance was given to the hospital because the Category 6A products are independently verified by Delta, which proves that the products meet the required standards.

The cable was terminated into black Excel 24 port Keystone Jack modular patch panel frames with Excel Category 6A screened keystone jacks. This solution allows for the same Jacks to be utilised at the near and remote ends of the permanent link, which can lead to performance enhancements on the link, as well as allow engineers to work independently from the rack and panel whilst terminating.

8km of Excel OM3 fibre cable was installed on each floor of the 8 floor building, two of which were underground, providing the backbone for the network. The cable was terminated into Excel fibre optic panels and the installation was completed with additional accessories from the Excel range. By utilising OM3 fibre cable, The Hospital St Pierre was able to future proof its business operations as this fibre has the capability to run up to 10 / 40 and 100 Gigabit Ethernet applications, allowing these speeds to be transmitted up to 100m.

As the installation was part of a renovation the install had to be flexible due to a lot of constraints and restrictions. Collignon were also up against extremely tight deadlines as the hospital couldn't allow each floor to be closed for any length of time.



The Results

The project started in 2013 and there is still 2 years of work to complete the full refurbishment. The Excel copper and fibre has provided a reliable infrastructure foundation and enables the hospital to be able to run many different applications and meet the expectations of their users. It will allow the hospital to offer quality healthcare to more people and help keep their status of being recognized as one of the main regional health centres in Belgium. Collignon, 4K and Excel ensured that the installation happened to schedule and with minimal disruption and within budget.



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