

Case Study

IDP Ingenieria, Medio Ambiente Y Arquitectura

Customer	IDP Ingenieria, Medio Ambiente Y Arquitectura
Location	Barcelona, Spain
Requirements	To provide a new cabling infrastructure that could support 1Gbs and beyond
Equipment	Excel Category 6 _A U/UTP, Environ CR 800 x 800 and Environ SR 800 x 1000 Racks

Customer's View

As part of our office refurbishment we required a new cabling infrastructure that would ensure that IDP was able to take advantage of network speeds of up to 1Gbs. We needed a proven, technically reliable system and the installation had to take place whilst our staff continued to work as the offices couldn't be closed.

Vincent Jimenez, IDP Ingenieria



IDP is a global and multisectorial company of technical services, founded in 1998 they work in the fields of engineering, environment, architecture and information technology and communication. Currently IDP is headquartered in Sabadell-Barcelona, and has offices in Madrid, Florianópolis, Rio de Janeiro and Belém in Brazil, Lima in Peru, Santiago in Chile and Quito in Ecuador.

The Requirement

In early 2015 IDP embarked on a major refurbishment of their offices which also required an upgrade of their cabling infrastructure to support 1Gbs technology and ensure that were able to take advantage of future technologies.

They also wanted to take the opportunity to install new cabinets for their servers, switches and cabling and to make sure they were more efficient and easy to service in the future.

Sourcing a Partner

IDP chose to partner with Concom, S.A. as they had worked with them previously on a number of installation projects. Concom S.A. are a multinational company headquartered in Spain and founded in 1996. They have extensive experience in the field of big infrastructures installations, services to companies, operation and maintenance. They have national and international presence, with offices also in Mexico DF, Tokio, Bogota, Italy, Holland, Nairobi and Dubai.

Concom is not a typical traditional company, they take time to understand their customer's needs and to adapt to them. New challenges turn out to be their inspiration. They know how to manage really complex projects, of high size and varied nature and they are always in search of the best suitable option for their customers and deliver a quality and personalized service each and every time. Concom recommended Excel as the best solution to IDP, as it met all of their technical requirements.



As an accredited Excel Cabling Partner, if required Concom are able to offer a 25 year warranty on the Excel system which covers the copper, fibre, voice and even the Environ Racks when installed as part of a total solution.

The Solution

An Excel Category 6_A U/UTP system was chosen for the horizontal cabling as it's designed to the current ISO EN and TIA standards for Class EA/Category 6_A and can support applications such as 10GBASE-T, 10 Gigabit Ethernet which ensured that their system was totally future proofed. With independent verification from leading test house Delta at component level, IDP had further reassurance that the Excel solution was more than capable for the job.

The Category 6_A U/UTP cable has a reduced diameter design, giving maximum performance through a very small medium aiding the goal of creating a solution that is easy to manage and service.

Excel Category 6A unscreened jacks were used and presented in the 24 port Excel keystone jack modular patch panels. The Excel keystone jack modular patch panels offer great flexibility as you can part load with just the modules you need and add to your installation at a later date if required. Supplied as standard with cage nuts, earth cable and a rear management tray it ensures that the installation is kept neat and tidy with minimal strain on the cable terminations.

Having the modular design helped with delivering the installation whilst the company still operated, as the jacks could be terminated on to the new cable runs outside of any racks and then installed into the panels at an appropriate and convenient time for both the user and the installer.

For the cabinets two Excel Environ Racks were chosen to house all of the kit. The first was the Environ CR 800mm x 800mm Rack that comes as standard with a glass front door and steel rear door with the 800mm wide option the rack came with high density vertical cable management which allowed for the cabling to be neatly tucked away to each side of the rack. With a large cut out in the base and a vented roof with multiple brush strips in the roof and base it was easy to bring the cabling from the top and through the bottom of the rack as required .



The second rack was the Environ SR 800mm x 1000mm Server Rack which provided even more features including a vented wave design mesh front door and a vented wardrobe double mesh back door for maximum ventilation of around 70%. There was easy access with removeable side panels and with a load capacity of 1300kg it was more than capable to house all of the servers and switches.

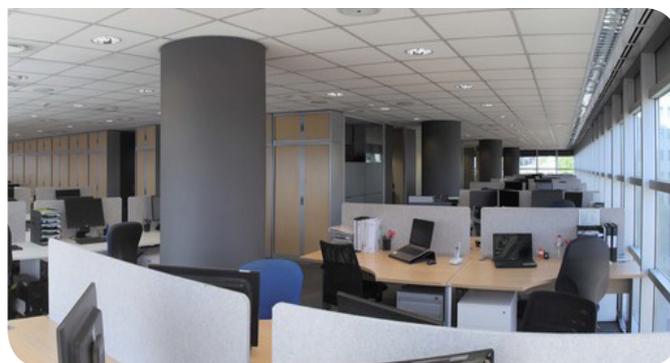
Central to the design of these racks is the accessibility and manageability of the equipment and cables installed within

them. The customers desire to be able to easily access and service equipment in the future is achieved with the high density vertical cable management, this feature allows for extreme amounts of cables to be managed outside of the 19" profile mounting space and keep access and visibility to the servers and switches to a maximum.

The Result

The biggest challenge for Concom during the installation was to carry out all of the works whilst the IDP team were still working in the office, although a challenge with careful planning and regular communication it was easily overcome.

The IDP team are happy with their Excel installation and are now fully benefiting from the new generation of computers that they have available to them and they are safe in the knowledge that as the technology evolves that their Excel network will support their requirements for a long time to come.



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