

Case Study

ParisLongchamp Racecourse

Customer ParisLongchamp Racecourse

Location Bois de Boulogne, Paris

Requirements

The ParisLongchamp Racecourse is a 160-metre long grandstand, topped with a glass building nestled into the heart of the Bois de Boulogne, that needed to provide a green, ultra-modern 100% connected experience for each of the 55,000 spectators that could be accommodated within the venue.

Equipment

155km Category 6A Dca Cable, 5,000 Category 6A Toolless Keystone Jacks, 179 Unloaded Patch Panel Frames, 28km OS2 Cca Tight Buffered Fibre, 3000 Optical Fibre Connectors



An Overview

This historic horseracing venue nestled in the heart of the Bois de Boulogne in Paris has opened its grounds to the general public.

Now boasting a chic open-air café, a 500m2 rooftop lounge with stunning views and an open-air concert venue, the new ParisLongchamp invites people to enjoy the festive atmosphere, music and gourmet pleasures in this new and unusual social hang-out.

The revamped venue has been designed to improve guests' overall racing experience, featuring 180° views for optimum visibility and 500 screens for watching the races and reviewing the odds throughout the building.

You can [read more about the project](#) here.

Sourcing a Partner

CCF are an accredited Excel Distribution Partner in France, operating as a local support and service centre for Excel Cabling Partners in the region. They offer sales and technical assistance to ECPs, hold stocks of key product lines to service demand throughout the region and they have a wealth of knowledge about the Excel product portfolio regarding its performance levels, its adaptability and scalability to suit a variety of vertical markets, and its flexibility to be able to provide a tailored, comprehensive solution.

For this project, CCF distributed Excel products to Excel Cabling Partner, Bouygues Bâtiment International, subsidiary of Bouygues Construction that has been specialising in complex construction projects around the world for more than 40 years.

With a local CCF logistics centre in Paris that has a large stock holding of Excel products, backed up with stock available from Excel's Head Office in Birmingham, UK, the installer could ensure that product availability to site was seamless, minimizing any unnecessary delays to the project being completed on time.

ParisLongchamp Racecourse in numbers:
2 years of building work
€140M investment
105 new trees were planted during the renovation work (now nearly 600 trees on the site)
55,000 sq. metres of public enclosures (35,000 sq. metres more than before)
600 sq. metres of solar panels installed on the roof
100% of the building's heating comes from geothermal energy
160 meters long, 35 meters wide and 23 meters high



The Right Product

Excel Networking Solutions was the chosen infrastructure solution, as Bouygues Bâtiment International were able to offer the end user a comprehensive 25-year systems and applications warranty. Having completed the training course to become an Excel Cabling Partner, the installation team were well-equipped with knowledge of the complete Excel solution, which provided peace of mind for ParisLongchamp Racecourse.

What's more, all parties shared the same fundamental sustainability values. The majority of Excel Networking products were delivered to site in plastic free packaging, which echoed the ethos of the overall project to create a greener, more eco-friendly venue.

The quality of the Excel products combined with the independent verification for each product from institutions such as Delta Laboratories/Force Technology and the products' compliance with current structured cabling standards was a crucial factor. Excel Networking met all the criteria set by the end user and was selected as the provider for the structured cabling system.



Design and Installation

The cabling infrastructure solution was designed specifically with the building in mind. The system needed to be robust enough to withstand high levels of usage to ensure that the service levels met the expectations of all users of the building, providing 100% connectivity.

Excel's [Singlemode OS2 fibre cabling](#) was installed as the backbone to this infrastructure solution. Singlemode fibre can go longer distances without interfering with the signal, making it ideal for long-haul applications such as this where the distance from one end of the building to another is vast.

Excel [Category 6A cabling](#) was chosen as it takes the performance capabilities of copper infrastructure to new levels, which was a requirement for this project. The cable is designed to exceed the ISO/IEC, TIA and CENELEC for Category 6A component requirements, delivering high performance over distances of up to 90 meters, which is essential for a site as long as this, at 160 meters. The cable consists of a screened outer braid with individual screened foil twisted



pairs. Braided screening maintains flexibility whilst offering greater mechanical protection, designed for high interference environments. The high quality, strong foil tape ensures separation of the pairs to maximize performance and reduce alien crosstalk, which was especially important for this venue, where uninterrupted access to the network is required from multiple devices at any one time.

Both the copper and fibre cabling installed were CPR-compliant and in line with the EN 50575 series in terms of reaction-to-fire, with protection against smoke emissions, burning droplets and acid gas production, making this product a comprehensive and safe choice for the ParisLongchamp Racecourse.

Excel [Category 6A toolless keystone jacks](#) were selected for fast, simple termination on site without the need for additional tools, which significantly reduced the timescales of the installation. These toolless jacks are also distributed in packs of 24, packaged in 100% recycled and recyclable plastic free packaging. This was a crucial element for this project, which had sustainability and eco-friendliness at the forefront of the design.

These keystone jacks were terminated into [unloaded keystone patch panel frames](#), which features a rear management tray with purposely designed cable tie positions as well as a designated labelling field to ensure maintaining the integrity of the installation moving *forwards was easy and user-friendly for the end user's team*.

Following multiple visits to the site during and after the installation, the installers and Excel were able to complete a successful audit of the finished result and grant the end user with their comprehensive warranty that guarantees 25 years of peace of mind.

The Result

The ParisLongchamp Racecourse project began in October 2015, with the first brick being laid in March 2016. Fast-forward two years and the revamped ParisLongchamp Racecourse is an ultra-modern, green and 100% connected racecourse. The complete Excel solution installed offers those who frequent the venue fast, reliable connectivity to the internet providing instant-access via any device, as well as allowing the racecourse to stream and display content in high-resolution across a large number of monitors throughout the site, to create an enjoyable experience that exceeds the expectations of everyone who uses the building.



Testimonials/Quotes

"This project was really demanding in term of specification, deadline and the complexity of the site. We had to meet the customer's expectations, which was possible thanks to our cabling knowledge, the stock levels available in our warehouse and also the support of Excel in terms of stock availability in their European logistic centre in the UK and the help of their dedicated team during the complete duration of the project. This was a team effort, and this is a great reference for us".

Thomas Meriaux, Sales director at CCF PARIS

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