Case Study
Scene Nationale D'Albi

Customer	Scene Nationale D'Albi (Cultural Centre/Theatre Albi)
Location	France
Requirements	To provide a reliable future proof 'end to end' cabling solution that will allow the theatre to run numerous applications across one network.
Equipment	Excel Category 6_A F/FTP Single and Dual, Category 6_A Low Profile Screened Toolless Jacks, Environ CR 42U 800 x 800 Racks and Excel OM3 12 Core Fibre
Customer's View	Technology is key to running the National Scene Albi Theatre and to enable this to happen we needed a structured cabling system from a reputable brand that could meet all of our requirements for today and more importantly for the future. The Excel solution has provided a great platform and Molinier Dintilhac carried out the installation within the short time scale available and we are delighted with the end result. *Representative, National Scene Albi*

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without compromise.

National Scene Albi is a cultural association certified by the state. It is part of a network of 70 structures for the performing arts in France. The national theatres are located primarily in cities or medium-sized towns and provide a centre for cultural activity and development. The Cultural Centre of Albi was awarded the "national stage" in 1992 and has long been called "Athanor, Scène Nationale d'Albi". More than twenty years later, the Scène Nationale d'Albi Tarn Association has stayed true to its mission and works to extend cultural democratization.

In figures each season, all the national stages welcome 3.5 million spectators in nearly 3,500 events. Their activity is a significant economic centre with 1700 employees. In 2014, nearly 60 000 spectators were welcomed to Albi and twenty municipalities. The attendance rate was 94% across 67 different shows offered by the National Theatre.

The Requirement

The National Scene Albi were looking for a cabling solution that they could trust and that was capable of running various applications including VOIP, TOIP, IP Security, Data, Wifi etc and well as providing a platform that would allow them to take advantage of new technology in the future. Technology is integral to ensuring the smooth running of the theatre and to provide the best customer experience for the many thousands of visitors each year. They were also keen to have the total solution from one established brand, to ensure that they would experience the best quality, performance and compatibility from the installation.

Grand Théâtre d'Albi
Vue depuis la place Lapérouse
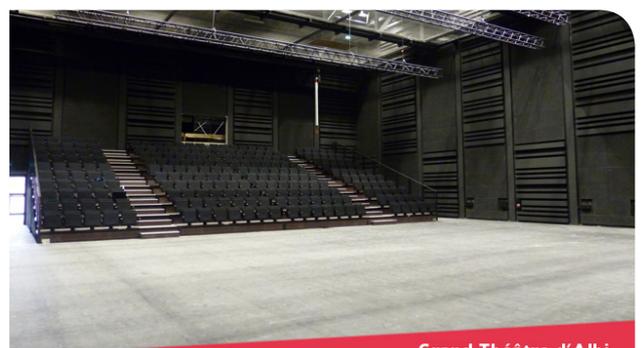
Grand Théâtre d'Albi
Salle Haute

Grand Théâtre d'Albi
Grande Salle

Sourcing a Partner

The National Scene Albi awarded the contract to install the cabling system to Molinier Dintilhac who is a family owned business, created in 1985 that have excellent experience across many vertical markets. They specialize in structured cabling, power installation, security and access control.

Molinier Dintilhac have worked with Excel cabling for several years purchasing the kit through Eicso Distribution. Since 1948, EICSO Distribution Company has offered its customers an extensive range of products and services backed by a strong experienced team. They have been working as an EXCEL Distribution Partner (EDP) for over 5 years in the South West region and carry a large amount of Excel products in stock.

The Solution

Excel provides a wide choice of products and the solution chosen was Excel Category 6_A F/FTP cable in both a single and dual configuration. The Category 6_A (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 on the network. Further reassurance was given to the theatre because the Category 6_A products are independently verified by Delta, which proves that the products meet the required standards.

The cable was terminated into 24 port Keystone Jack modular patch panel frames with Excel Category 6_A low profile screened keystone toolless 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.

Being just 28mm in overall depth the module makes it easier to allow multiple cable entries in a standard depth back box.

Excel OM3 12 core fibre cable was installed as the backbone and was terminated into Excel fibre optic panels and the installation was completed with additional accessories from the Excel range. The OM3 fibre cable provides a totally future proof solution 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. The Excel Category 6_A low profile screened keystone toolless jacks were installed on each floor of the 7 floor building, with one main comms room and a tech room on each level.

6 Excel Environ CR 42U 800 x 800 Racks were chosen to house all of the equipment throughout the theatre. This versatile rack includes features such as a glass front door, full height front and rear easily adjustable 19" profiles, multiple brush strip cable entry in the roof and base for easy access and with the 800 wide model high density vertical cable management to dress the cables to each side of the rack making for a neat and tidy installation.

The Result

The installation took place between August to November 2014 which was a tight deadline and Molinier Dintilhac had to overcome problems with respects to the acoustics within the theatre and run cable across long distances within the theatre complex. The Excel solution has met all of the requirements of the theatre and they now have an excellent cabling infrastructure to support the technological requirements of today and the ability to grow in the future.

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