

French Ministry of Economy and Finance: Prepared for decades to come!



NEXANS TECHNOLOGY CHOSEN FOR NEW NETWORKS

Following a tender, France's Ministry of Economy and Finance has chosen a solution proposed by Nexans for the renovation of its Bercy office as well as a new building in Ivry. Although each site will have a different installer, Nexans was picked as the sole supplier for all cabling and connection boxes.

Nexans 4x4 pair cabling enables the renovation of France's Ministry of Economy and Finance, Bercy



In September 1981, President Mitterrand decided to give over the entire Louvre palace to the Louvre museum. The Ministry of Finance, which had previously occupied part of the building, was relocated to a new, hi-tech facility. In June 1989, more than 6,000 staff and ministers moved to the attractive complex at Bercy.

Thirty years later, 'hi-tech' had evolved considerably and the communications services available to the Ministry of Economy and Finance no longer met current requirements. A tender was launched, with a focus on high-quality components, durability, supplier reliability, environmental quality and more. "We chose Nexans' solution, as proposed by installer Eiffage, as it was the best by far," said Yves Galpy, Project Manager in charge of IT Infrastructure. "From the very beginning, Nexans were closely involved in the project's technical and commercial aspects."

CLASSIFIED PROJECT

Installing a high-performance cable network is difficult enough. However, doing so throughout 5,000 m² of office space, most of which is occupied 24 hours a day all year round, is another thing altogether. "Being discreet was essential, so that everyone could keep on working as usual at all times", says Yves Galpy. "For this 'sensitive' project, I did not push for fast completion. I was far more concerned with discretion and final quality. Mistakes were simply not an option." To satisfy the very

specific demands and high standards of this installation, Nexans designed all-new 4 x 4 pair cables, later developed into 6 x 4 pair. These run from the technical rooms through overhead ducts and are more compact, produce less waste and can be installed more rapidly than other cables.

"The chosen LANmark-6A solution uses cabling links in 4 x 4 pairs, between 30 and 80 metres in length, with a 2 metre pitch", specifies Jean-Michel Démirdjian, Key Accounts Manager for Nexans. "The installer provided us with a specific list detailing the length of the links, which allowed us to ensure very precise manufacturing." In the offices, posts with integrated boxes were placed close to workstations during the night. "The team was highly skilled", Yves Galpy notes. "The entire installation took about a year and the system's performance is everything we had hoped for. All in all, a huge success!"

VERY HIGH-QUALITY PRODUCTS

"As part of our real estate policy, we focus on freeing up prestigious sites in the centre of Paris and moving their former inhabitants to newly-created modern buildings that are far better suited to their current needs," explains the Project Owner. This approach also resulted in the Economic and Financial Ministries' new building in Ivry, where they have been housed since September 2012. "The aim was to realise results of a very high quality at a reasonable cost. The chosen installer, Point-Sys, was

Challenges

- 2 sites for one single client: Ministry of Economy and Finance
- Renovation of a building in Bercy, construction of a new building in Ivry
- Essential to the Bercy site: working mainly at night, discreetly, with minimal noise

Solutions

- A 4 x 4 pair cable was developed especially for the Bercy site: this enabled work to take place far more quickly
- Sockets arrived on site pre-connected
- In Ivry, two large IT rooms were installed, in addition to cabling 7 storeys for telephone services via IP, Wi-Fi terminals, access control, etc.

Advantages

- Both in Ivry and Bercy, demand focused on high-quality, reliable, durable cabling
- According to the client, Nexans' solution should provide 20 to 30 years of service

the perfect partner on this occasion." Point-Sys, established in 1996, has some fifty employees. "Our key advantages are our reactivity, quality of execution and our experience", states Nicolas Feuillade, General Manager of Point-Sys. "These factors allow us to fully understand people and products. Nexans was our number one choice."

SITE RESTRICTIONS

"For this 7-storey building, we created 160 km of cables and more than 12,000 RJ45 Nexans Snap-In Category 6A connectors," says Nicolas Feuillade. "These were F/FTP LANmark-6A cables - 1 x 4 pair and 2 x 4 pair - with consolidation boxes for the IT network, Wi-Fi, access control and the telephone system." One might imagine that rolling out a network in an entirely new building would have been easier than at the older Bercy site. However, this was not the case. "The difficulty with this type of development is the fact that different works all take place at the same time, on a restricted site. Materials are subject to major ordeals. In the end, however, we experienced no problems. The combination of high-performance products and rigorous implementation assured a top-quality installation in line with the Project Owner's demands. The LANmark-6A cabling system ensures data transfer in excess of 10 G/s, which is excellent. We should now be prepared for the coming 20 or 30 years, at least."

"We have invested for the near and distant future."

"After this undeniable success, we aim to continue along this route, with the general re-cabling of all the Bercy offices."

Yves Galpy, Project Manager IT Infrastructure,
French Ministry of Economy and Finance

- Potentially, the Bercy Ministry of Economy and Finance building can accommodate between 25,000 and 30,000 access points. It houses 5,000 staff and has 42 km of corridors.
- Designed specifically for the Bercy site, the 4 x 4 pair cable has now become a standard fixture in Nexans product range.
- Point-Sys has specifically developed a tool which allows work to take place in staffed or inhabited areas, avoiding disturbance (noise and dust) to those present.

About Nexans

With energy at the basis of its development, Nexans, worldwide expert in the cable industry, offers an extensive range of cables and cabling solutions. The Group is a global player in the energy transmission and distribution, industry and building markets. Nexans addresses a wide series of market segments: from energy and telecom networks to energy resources (wind turbines, photovoltaic, oil and gas or mining...) to transportation (shipbuilding, aerospace, automotive and automation, railways...).

Nexans is a responsible industrial company that regards sustainable development as integral to its global and operational strategy. Continuous innovation in products, solutions and services, employee development and commitment, customer orientation and the introduction of safe industrial processes with limited environmental impact are among the key initiatives that place Nexans at the core of a sustainable future.

With an industrial presence in 40 countries and commercial activities worldwide, Nexans employs 25,000 people and had sales in 2012 of nearly 7.2 billion euros. Nexans is listed on NYSE Euronext Paris, compartment A.

For more information, please consult: www.nexans.com or www.nexans.mobi

In the field of LAN Cabling Systems, Nexans Cabling Solutions offer a complete range of products and value added services providing improved reliability and reduced cost of ownership for Network Managers, together with faster installation times for installers.

In addition to LANmark brand cabling systems, Nexans also specialises in LANsense Intelligent Infrastructure Management (IIM) products including Environmental Monitoring and Access Control (EMAC) devices. Nexans offers an unrivalled choice of LAN infrastructure solutions to a global customer based through an extensive network of regional offices and Key Account Management team.



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