GIGABIX
THE FOOD & DRINK FEDERATION

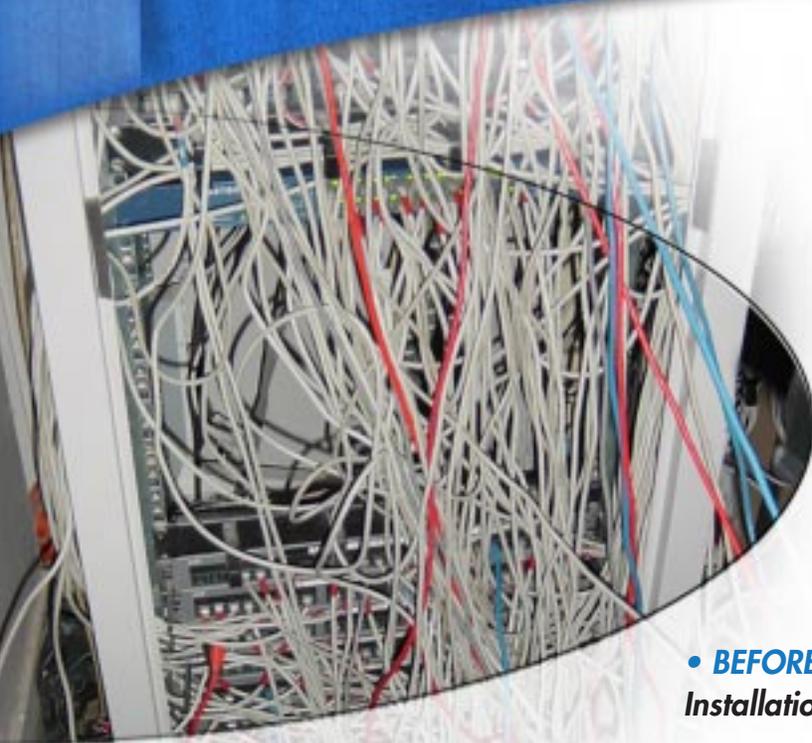### SOLUTION FOR THE SHRINKING IT EQUIPMENT ROOM

• Food and Drink Federation save space and costs with NORDX/CDT's revolutionary GigaBIX Cross-Connect System

The **Challenge**

• The Food and Drink Federation were faced with the difficult challenge of how to shrink their Information Technology Equipment Room to create more usable office space, and refurbish their offices whilst maintaining full services at all times. As part of the office refurbishment all the existing low quality telecommunications cabling needed to replaced with a high performance Structured Cabling System that could support voice, data, video and image for at least the next ten years.

• The key project drivers were to increase the quality and space optimisation of their offices. The Food and Drink Federation offices are situated in a seven story building in the Drury Lane area of London's Theatre Land in an area which is now the worlds most expensive office space.

• BEFORE
Installation before the upgrade

The **Solution** to the **Space Problem**

• Due to the chronic problems of space, and that the existing telecommunications cabling was not documented it was clear to IT Manager, Nik Ollek that he needed external professional assistance. Nik Ollek therefore contacted Annor Ltd who specialise in the design and build of space optimised structured cabling systems and are a NORDX/CDT Certified System Vendor (CSV).

• After many hours of discussion with Annor which included a needs analysis and detailed building surveys Annor submitted a proposal that would best meet the business requirements for The Food and Drink Federation and provide the optimum return on investment and lowest risk. The only possible solution that would fit the new and smaller Information Technology Equipment Room was GigaBIX Cross-Connect Wire system which provides the worlds highest density termination solution.

• Included in the Annor design proposal was a complex and detailed project plan that would allow continuous business operations by using the basement area as a decanting area for the staff who's floor was being refurbished at that particular time.

• AFTER
GigaBIX Cross-Connect Solution

The **Installation**

• The installation consisted of a NORDX/CDT IBDN 1200 Gigabit System using the GigaBIX Cross-Connect Wire Solution. It included flood wired Cat5e LSOH RJ45 UTP telecommunication outlets at a density of four outlets per ten square meters of net usable office space. The Cat5e cables were star wired directly from the small IT Equipment Room located in the basement to the user outlets on each or the buildings seven floors.

• A backboard was secured to the wall in the IT Equipment Room leaving a 100 mm void for cable routing. GigaBIX 72-port mounting frames were fixed onto this backboard and required a width of less than one metre. A main cable riser was created to run from the basement floor up to the 5th floor. The Cat5e cables were routed from the main equipment room up the riser across false ceilings on and down to the perimeter trunking were the telecommunication outlets were installed. The telecommunication outlet presentation was onto GigaFlex PS5+ RJ45 Modules mounted into angled shutters and fixed into dual and quad faceplate outlets.

• To link the PABX telephone system into the new GigaBIX Cross-Connect System, multiple 25pr Category3 cables were installed from the PABX test jack frame onto a 300pr GigaBIX frame.

• Within the IT Equipment Room, a 2,000 mm high x 600 mm wide x 80 mm deep aluminium frame was secured into place with high level cable ladder tray and floor bolts. This open frame housed all the Ethernet LAN switches. Using high level cable routes has the added benefit of not requiring an expensive computer access floor. The LAN switch ports then interfaced onto

the GigaBIX wall mounts via 166# open ended Category5e RJ45 pigtails. There was then no requirement to touch the expensive and delicate LAN switches again since changes are made on the robust GigaBIX mounts.

• With the GigaBIX wall mounts terminated with all LAN, PABX and user outlet ports its simply a case for the user to connect these ports together in an any-to-any configuration using high performance solid conductor cross-connect jumper wire.

NORDX/CDT

The **Conclusion**

• The GigaBIX Cross-Connect System really proved to be the most reliable, space and cost effective solution for the Food & Drink Federation. The IBDN components installed in their structured cabling system are certified with a 25-year guarantee from the date of installation. A Lifetime Application warranty is also provided to future-proof their IBDN systems. All of this provided the Food & Drink Federation the peace of mind of relying on its cabling infrastructure to support today's and tomorrow's applications.

About The Food & Drink Federation

The Food and Drink Federation (FDF) represents the interests of the UK food and drink manufacturing industry. FDF addresses issues from sourcing to processing, packaging, labelling and distribution. FDF is "the voice of the UK food and drink manufacturing industry". It is a representative body, with membership from some fifty trade associations covering all manufacturing sectors and representing all types of companies. Visit www.fdf.org.uk

About Annor Ltd

The installation at the Food & Drink Federation was carried out by Annor Ltd who are a certified system vendor for NORDX/CDT structured cabling systems. The BICSI RCDD professionals at Annor have unrivalled experience in designing and installing space optimised structured cabling solutions using the IBDN GigaBIX Cross-Connect System. Annor have a unique skill which allows for an inexpensive 100# work area mini telecomms closet on a single access floor tile. For more information on Annor solutions contact John Laban RCDD/LAN. Visit www.annor.net.

Company
The Food and Drink Federation

Location
Central London

Vertical Market
Food & Drink manufacturing

Number of Sites/Buildings
1

Cabling System
IBDN 1200 GigaBIX Cross-Connect Wire System

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