amillan
Technology & Services Partner

CONSTRUCTION CASE STUDY

DIGITAL BUILDING INFRASTRUCTURE

10 Brindleyplace, Birmingham

Network Infrastructure and Converged Network Solution

10 BRINDLEYPLACE

THE INFRASTRUCTURE BEHIND BETTER-CONNECTED BUILDINGS

STRUCTURED CABLING | NETWORKS | SMART-BUILDING CONNECTIVITY | ONGOING SUPPORT

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Project Overview

Amillan was appointed to deliver the network infrastructure and Converged Network Solution (CNS) at 10 Brindleyplace, a major commercial redevelopment in the heart of Birmingham.

The project involved the extensive back-to-the-frame transformation of 8 and 10 Brindleyplace, combining the two properties to create a single landmark Grade A office building.

Following completion, 10 Brindleyplace provides approximately 210,000 sq ft of high-quality office accommodation, with large floorplates of more than 27,000 sq ft and a range of modern workplace amenities. The development was designed around three key principles – technology, sustainability and wellbeing – making the building's digital infrastructure an important part of the overall project.

For Amillan, the project provided an opportunity to apply our experience in structured cabling, network infrastructure and converged networks to a major commercial refurbishment where connectivity would be fundamental to the operation of the finished building.

The Challenge

10 Brindleyplace was designed to be significantly more than a conventional office refurbishment.

The development incorporated smart building technology alongside new mechanical and electrical systems, environmental monitoring, access control and extensive occupier facilities. The completed development subsequently achieved WiredScore Platinum, BREEAM Excellent, EPC A and Fitwel 2 Stars, reflecting the emphasis placed on connectivity, sustainability and occupant experience.

This created a requirement for a robust and scalable network infrastructure capable of supporting the building's operational technology and connected systems.

Working within a large-scale refurbishment required disciplined MEP coordination and interface management across the construction programme. Cable routes, containment, communications rooms, equipment positions and commissioning dependencies had to be aligned with multiple contractors and changing site conditions.

The challenge for Amillan was therefore not simply to install a network, but to deliver the digital foundation required for a modern, intelligent commercial building.

Amillan's Solution

Amillan delivered the structured cabling and network infrastructure required to provide reliable connectivity throughout the development.

The infrastructure was designed and installed to provide the resilient backbone required to support the building's CNS and the numerous systems operating across the property.

A key element of the solution was the implementation of a Converged Network Solution, providing a common network platform capable of supporting multiple building technologies.

Rather than individual systems relying on completely separate network infrastructures, the CNS provides a controlled and scalable environment through which compatible building services can communicate.

This approach helps simplify infrastructure, improves network management and provides greater flexibility as technology requirements evolve.

AMILLAN PERSPECTIVE

> "10 Brindleyplace demonstrates why network infrastructure must be treated as an integral part of modern building design. Our role was to deliver a resilient converged platform capable of supporting multiple connected systems while coordinating our work with the wider construction and M&E programme."
>
> **— Patrick Daly, Managing Director, Amillan**

Converged Network Solution

The CNS at 10 Brindleyplace provides the secure, resilient digital building infrastructure required by the property's operational technology. Through network segmentation, compatible intelligent building systems can share a converged building network while maintaining the separation, performance and security appropriate to each service.

The development incorporates intelligent building systems spanning environmental monitoring, access control, occupant experience platforms and digital services. Occupiers can access building services, environmental controls and technical information through a mobile application, while the underlying network supports data-driven building management and operation.

Against this technology-led environment, Amillan's CNS provides the reliable network foundation upon which connected building systems can operate.

The solution was structured around the principles of:

- Resilience – providing dependable connectivity for building-critical services.
- Segmentation – maintaining appropriate separation between different systems and applications.
- Scalability – allowing additional devices and technologies to be introduced as requirements develop.
- Performance – providing the capacity required for an increasingly connected building environment.
- Manageability – creating a structured network architecture that can be efficiently supported and maintained.

Structured Cabling & Network Infrastructure

Supporting the CNS was a comprehensive structured cabling installation connecting communications rooms, network equipment and connected devices throughout the building.

Amillan's engineers worked with the wider project team to coordinate cabling routes, containment, cabinet locations and builders' work interfaces. Managing these dependencies and the installation sequence helped ensure that the network infrastructure was available when connected building systems reached testing and commissioning.

Particular attention was given to maintaining installation standards across a large and complex building while ensuring that the completed infrastructure could support both the immediate project requirements and future expansion.

All installed cabling was terminated, labelled, inspected and tested through a structured quality-assurance process. Certification and as-built records were incorporated into the

handover information, providing the client with an organised infrastructure ready for ongoing building operations.

Working Within a Major Refurbishment

The transformation of 10 Brindleyplace represented one of Birmingham's largest office refurbishment projects, with a construction value of approximately £38.8 million.

Successful delivery therefore required significant coordination between Amillan and the wider construction, M&E and specialist technology teams.

Amillan's experience of delivering network infrastructure within major construction projects allowed our engineers and project team to work alongside other trades, responding to programme requirements while maintaining the quality and consistency of the network installation.

This collaborative approach helped ensure that the technology infrastructure developed alongside the building itself rather than being treated as a standalone element towards the end of the project.

The Result

The completed 10 Brindleyplace is one of Birmingham's most significant modern commercial developments and has been recognised for its approach to technology, sustainability, connectivity and workplace wellbeing.

The building has achieved WiredScore Platinum, demonstrating the quality of its digital connectivity. Its converged network and smart-building capabilities provide a resilient foundation for connected operational technologies, building management and an enhanced occupant experience.

Amillan's delivery of the network infrastructure and Converged Network Solution provides a resilient digital foundation capable of supporting the building's connected technologies today while providing flexibility for future requirements.

The project demonstrates Amillan's ability to deliver complex network infrastructure as part of major commercial construction and refurbishment programmes.

CUSTOMER PERSPECTIVE

> "Amillan worked collaboratively with the wider project team to deliver the network infrastructure required for a highly connected commercial development. Its understanding of converged networks and construction coordination helped create a dependable digital foundation for the building's smart technologies and ongoing operation."
>
> **— 10 Brindleyplace**

Amillan's Project Scope

Network Infrastructure | Structured Cabling | Converged Network Solution (CNS) | Network Cabinets & Connectivity | Testing & Commissioning | Project Coordination

Building the Connected Workplace

Projects such as 10 Brindleyplace demonstrate how network infrastructure has become an integral part of modern building design.

As more building services become IP-connected, the network increasingly provides the foundation linking people, technology and building operations.

Amillan combines expertise in structured cabling, networking and converged infrastructure to help construction partners, M&E contractors, developers and building operators create connected environments that are reliable, manageable and ready for the future.

The Amillan Difference

Amillan's value at 10 Brindleyplace extended beyond the installation of cabling and network hardware. By combining structured cabling expertise, converged network design and construction-programme coordination, Amillan helped create a single, resilient digital foundation for the building's connected services.

From technical coordination and interface management through installation, testing, certification and documented handover, Amillan provided an accountable delivery approach designed around the demands of a complex refurbishment and a modern smart-building environment.

LET'S TALK ABOUT YOUR NEXT CONSTRUCTION PROJECT

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