



Case study

Hybrid Enabled.

How nLighten and Six Degrees collaborate in Birmingham to deliver a resilient hybrid cloud service supporting regional digital infrastructure.

Six Degrees Cloud Services.

Six Degrees is a leading UK cloud, cyber security and connectivity managed service provider delivering hybrid solutions across multiple sectors. As demand for resilient, low-latency services increased, Six Degrees identified the need for a strong regional data center presence to support its managed services portfolio.

Working closely with nLighten, Six Degrees operates from nLighten's Birmingham facility, combining regional data center infrastructure with Six Degrees' managed services expertise to support customers across the Midlands and wider UK. The partnership forms part of a broader digital infrastructure ecosystem supporting regional connectivity, cloud adoption and service delivery.



Key Requirements.

Six Degrees required a modern, secure data center partner in the Midlands to support hybrid cloud and managed services delivery. Key priorities included resilient power and cooling, carrier-dense connectivity, operational flexibility, and the ability to scale infrastructure in line with customer demand.

Key Objectives:

- Establish a resilient regional platform to support hybrid cloud and MSP services
- Ensure enterprise-grade availability, security, and connectivity
- Enable scalable infrastructure aligned to customer demand
- Strengthen regional service delivery outside London.

The Project.

Six Degrees selected nLighten's Birmingham data center as a strategic regional location to support its cloud and managed services operations. By deploying infrastructure within the facility, Six Degrees created a resilient foundation for customer workloads, benefiting from high availability, strong connectivity, and local operational support.



nLighten's Birmingham facility is a key PoP location within our NGNv2 Core backbone network, allowing fast and reliable connectivity into both regional and global carriers and aggregators. It provides a strong regional platform for our managed services and cloud offerings, supporting resilience, scalability, and reliable service delivery for our customers."

Martin Patrick
Head of Data
Center Services
Six Degrees



About nLighen UK.

nLighen UK is the UK division of nLighen. nLighen is a digital infrastructure platform focused on developing and operating innovative edge data centers across Europe's key economic hubs.

Its strategically distributed data centers deliver best-in-class network access to enterprises, private users, and the mobile workforce. nLighen is working towards establishing a pan-European presence in all major cities and smaller business hubs.

Its edge data centers are close, coupled, and connected: By being closer to customers and users, nLighen ensures low-latency access and high availability for businesses, mobile workforces, and private users. With a strong commitment to sustainability,

nLighen's data centers will be coupled with the local community, contributing to grid stability while minimizing environmental impact.

Connected to an extensive network of carriers and service providers, nLighen empowers seamless, real-time data connectivity throughout Europe.

The collaboration brings together nLighen's carrier-neutral data center environment and Six Degrees' managed services capabilities, enabling a flexible platform that evolves alongside customer requirements while supporting growing regional demand for low-latency digital services.

The Solution.

nLighen provides a secure, highly resilient data center environment in Birmingham designed to support modern MSP and hybrid cloud workloads. The facility delivers reliable power and cooling, strong physical security, and access to multiple network carriers for flexible connectivity.

Six Degrees layers managed services, cloud platforms, and customer support on top of this infrastructure – creating an end-to-end solution that combines local hosting with enterprise-grade service delivery. This approach allows Six Degrees to scale efficiently while maintaining operational control and performance standards while benefiting from a regional digital infrastructure platform designed for long-term growth.

Benefits:



→ Regional platform for hybrid cloud and MSP delivery



→ Improved resilience and service availability



→ Scalable infrastructure to support business growth



→ Enhanced regional connectivity supporting customer performance and reliability

Conclusion.

By working together at nLighen's Birmingham data center, Six Degrees has established a resilient regional platform to support its hybrid cloud and managed services portfolio. The collaboration demonstrates how MSPs can combine local data center infrastructure with managed services expertise to deliver reliable, scalable solutions, reinforcing Birmingham's role as a growing hub for digital infrastructure in the UK.



Justin Nesbitt
Managing Director,
nLighen UK



Cloud and MSP providers need resilient regional platforms to support modern services. Our Birmingham data center is designed to enable exactly that, supporting scalable, secure hybrid cloud delivery while strengthening the regional digital infrastructure ecosystem."

To find out more about nLighen's leading Edge Data Center Solutions:

www.nlighten.com or call +44 (0)3300 250 138