

NORTH

A woman with dark hair tied back, wearing a grey button-down shirt over a grey t-shirt and a lanyard, is looking down at a tablet device. She is standing in a server room with rows of server racks visible in the background. The lighting is dim, with a teal glow from the server racks. The overall composition is a professional, tech-oriented scene.

Stronger
Networks

Converged network access
that simplifies operations and
reduces complexity

Stronger networks, smarter places

NOR

We make your world a smarter place.

We design, deliver and manage integrated networks that improve people's lives – keeping them better connected, safer, more secure and healthier.

We build stronger, more efficient, robust and reliable networks from the ground up. These are the foundations that our clients' entire operations rest upon, and they are the platforms that our smarter place solutions are built upon. We focus on ensuring they are well designed, well built and well managed so that their systems are always on, connected and optimised.

We work closely with our clients as part of their team, to better understand their sectors, their environments and their challenges, so that we can help them achieve their operational demands and strategic objectives in full. However complex the places we work in may be, we leverage technology and our expertise to make them simpler to manage, more secure and more efficient to run.

Stronger networks, smarter places

Infrastructure specialists

North began life as a cabling, infrastructure and fibre installation company. Having gained over 30 years' experience, we have a superior appreciation of the fundamentals of a strong, resilient and robust network. We have built a well-considered portfolio of solutions that span Wi-Fi, LAN, Network Security, OT Security, Campus networking and WAN services, and have a pedigree in IoT and private 5G networking, RF planning and site security.

However you connect to your network, from wherever you are and on whatever device, our network infrastructure keeps you connected to your critical systems, services and applications. We use proven technologies and partner selectively with industry leading vendors to deliver maximum uptime, reduce your operating costs and safeguard your network, infrastructure and users.

The combination of our smarter designs and our extensive networking knowledge enables us to create and manage networks with outstanding reliability. Our highly skilled teams have a proven record of delivering projects on time and on budget, even in the most challenging and complex of environments. And we offer 24/7/365 support, either on-site or remotely.



From the ground up

North's superior expertise, experience and breadth of capabilities means that we are perfectly placed to oversee every aspect of a network infrastructure deployment. Our solutions are flexible and scalable, which means we can continue to improve, optimise and build upon your initial setup based on your evolving needs and developing technology trends.



Base Network Infrastructure

We are experts in the design, installation and management of structured cabling, fibre and network infrastructure – getting the basics right provides a solid foundation for IT network and network security service delivery.

Public, Private and Low-Power Wireless

North are experts in planning and designing wireless solutions for complex environments to support Wi-Fi, IoT, 4 and 5G WAN backup and private 5G networks. Our in-house engineering teams provide services from desk-based radio planning to on-site RF surveys and the in-life performance analysis required for stable and consistent wireless access. Our engineering teams are fully accredited and highly experienced in deploying impactful solutions in complex radio and operational environments.

Network Health Optimisation

Understanding, validating and responding to network health incidents, application performance and real-time troubleshooting are crucial to help deliver consistent uptime and service availability.

North can install smart sensors on your network to continuously monitor application and network performance, providing real-time user based insights into potential issues. When issues are detected, the system provides rigorous troubleshooting and root cause analysis. By analysing this data using the intuitive and simple-to-use dashboard, your IT team will benefit from end-to-end visibility over performance and health, enabling them to evaluate the connectivity and responsiveness of network infrastructure and applications.

North's experts will work closely with you to ensure a seamless trial or full time integration of network health sensors.

North also offer a full Network Health Check to assess your current network setup. North's comprehensive Network Health Check service includes a pre-survey consultation, site visit(s) and a full written report with a detailed review on findings, recommendations and guidance on compliance where relevant. This service offers great insight and professional support to meet complex IT networking or troubleshooting needs.

Secure Operational Technology (IT-OT convergence)

Most Operational Technology (OT) environments run on legacy networks and lack effective security. Many industrial environments that were built to operate in isolation are now being connected to the internet, exposing them to new and evolving threats. Our extensive experience in OT and IoT means we can develop a comprehensive security policy for your converged IT-OT networks and assets, providing the visibility, control and reporting capabilities that are now essential.

Zero Trust Network Access

Security concepts previously centred on securing the network perimeter, but this is no longer something organisations can control. With Zero Trust Network Access (ZTNA), nothing is trusted by default until verified. Application, endpoint and user access to applications including cloud-based applications is controlled centrally. Reporting on user activity, location, device type and application request allows total control of how, when and by whom network services are accessed.

Secure Access Service Edge

Secure Access Service Edge (SASE) provides secure internet, corporate and SaaS access in a single network access solution for users based at a fixed location or those who are roaming/remote. Security is extended from the traditional edge of the network (such as a firewall) to the user and/or application. SASE network design takes a zero trust approach to network and application access to better meet the demands of today's security challenges.

Security Threat Assessment

Knowing your vulnerabilities and getting the facts about your network security with a Security Threat Assessment is just one of the tools North offer to support our customers in an evolving security and threat landscape.

Our approach identifies security risks; which application vulnerabilities are being used to attack your network, which malware and or botnets were detected, what attacks are making it through your security systems and which devices and users are at risk.

Social engineering provides another security risk, so we also provide a view of which peer-to-peer, social media, instant messaging and other applications are running giving you a view of applications as well as what spam, newsletters or non-business content may be emailed to your users.

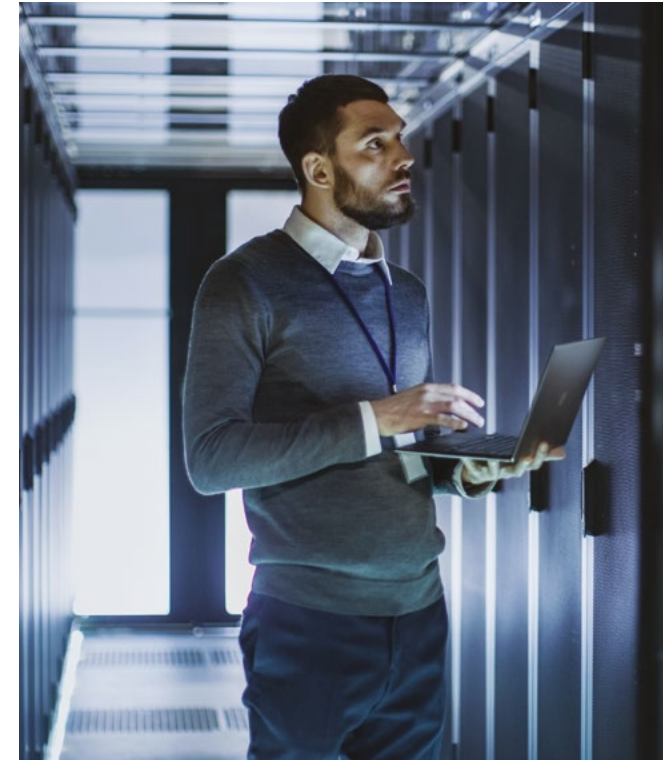
Managed Network Services

North's unique breadth and depth of expertise enables us to support large multinational organisations, covering a wide range of networks, technologies and systems. We offer standalone or multi-tiered support packages that can combine on-site and remote services, whatever the size or geographical spread of your sites.

Our teams work to keep your operation running smoothly, at all times, offering rapid response and restoration, proactive network monitoring and management, planned preventative maintenance, and frequent system health checks and network audits.

Our specialist Service Delivery Managers provide an experienced and dedicated point of contact who knows and cares about your business, providing peace of mind that your people and places are compliant and protected.

We have an exemplary track record in SLA achievement, meeting KPIs, and customer satisfaction ratings. We pride ourselves on offering a truly personalised and proactive service, delivering added value wherever we can, and being flexible to tailor our service whenever required.



Stronger Networks

5G Private Networking (5GPN)

North's heritage in RF design enable us to deliver complex, private 5G networking environments for large scale outdoor access solutions, bespoke manufacturing or industrial environments or as infill for mobile hot-spots. 5GPN complements Wi-Fi and other existing wireless connectivity services.

Wireless Network Access Points (Wi-Fi)

North leverage the latest IEEE wireless standards, combined with our rich understanding of complex RF environments and planning capability.

Network Security

North takes a Zero Trust approach to network security – regardless of where your users are, nothing is trusted until verified.

Network Management

Standalone or multi-service support packages that combine onsite and/or remote monitoring and restoration services, whatever the size or geography of your sites – we can support you 24/7.

Secure Access Service Edge (SASE)

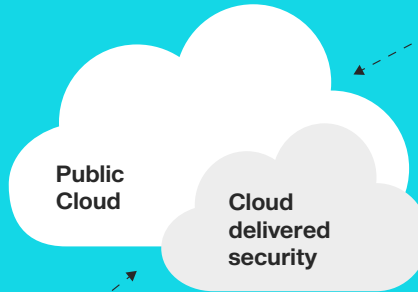
North's cloud architecture model combines network and security-as-a-service functions together and delivers them as a single cloud service to all connected users, including those who operate remotely.

Secure Operational Technology (OT)

Our extensive experience in OT and IoT means we can develop a comprehensive security policy for converged IT-OT networks and assets, providing the visibility, control and reporting capabilities that are now essential.

Network Health Optimisation

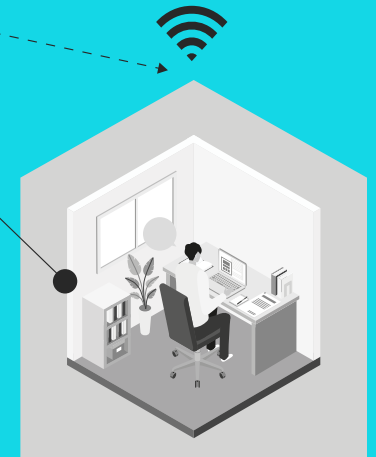
North can install smart sensors on your network to continuously monitor application and network performance, providing real-time insights into user experience, identifying potential issues and reducing the time to fix.



Office Environment

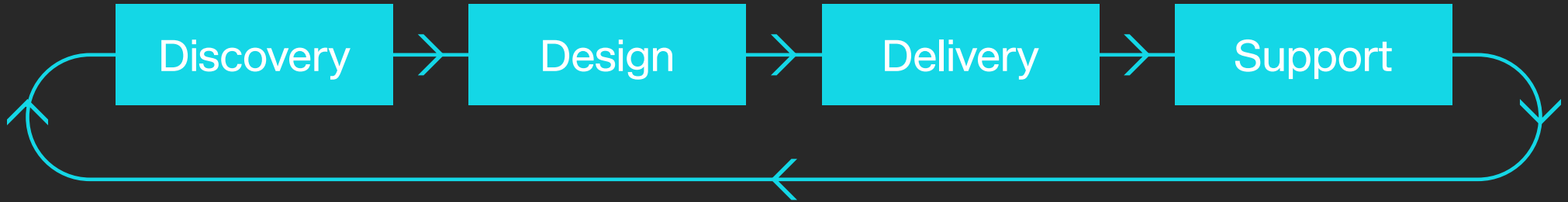


Mobile User



Homeworking Environment

North's four-stage service



Our extensive discovery service is designed to provide you with a deeper understanding of your networks, systems, and estates. We build each project on robust research, real customer understanding, and a collaborative agreement of needs and expectations.

Our expert design teams work alongside you to plan integrated solutions that deliver clear benefits. We bring over 30 years' experience in bespoke network and project design – informed equally by our partnerships with leading tech vendors and our wealth of experience in practical delivery.

We pride ourselves on smooth, efficient delivery of even the most complex combined technologies. From construction to fit out and installation, we're the safest pair of hands you can find. Your critical operations keep running smoothly, and your projects are delivered on time and to budget.

Our flexible support solutions, smart hands and managed services are here to help you 24/7/365 as an extension of your own teams, onsite or on-demand. Our proactive approach maximises network uptime and keeps your places running optimally. Customised support solutions are designed to meet your exact needs.

Why North?

Strong, robust, reliable infrastructure and networks

Built from the ground up, underpinning your operations and connectivity.

One streamlined service for networking and security

End-to-end capabilities across design, deployment and support.

Specialist expertise with high levels of clearance and compliance

Our greatest asset is our people, their knowledge and their experience.

Reliable delivery model with the ability to scale at pace

Vastly experienced in multiple sectors, with the flexibility to react to demand.

Resilient design delivering high availability and maximum uptime

Ensuring operational and cost saving efficiencies across the board.

Fully accredited and industry certified

Independent recognition that reflects our dedication to excellence.

Committed to sustainable practices

Driving meaningful change towards Net Zero is a core element of our strategy.

New technology will help Port of Aberdeen become the UK's first net zero port by 2040.

Port of Aberdeen

North is deploying private 5G, public Wi-Fi and IoT networks and upgrading and expanding the port's CCTV and security systems to improve operations and customer experience and support a range of solutions.

The high-performance private 5G network will provide better connectivity at the new South Port. The 5G network will enhance communications while supporting applications such as drones, smart bollards and 5G cameras.

With 6,948 vessels utilising the port in 2023, the introduction of 5G infrastructure will advance data gathering through the use of new technologies and importantly, support the Port of Aberdeen's goal of becoming the UK's first net zero port by 2040.

Furthermore, North designed and deployed an expansive CCTV and security system across the port's North Harbour and South Harbour. This includes integrated video management systems, automatic number plate recognition (ANPR) and access control.

The technology will allow Port of Aberdeen to provide a safe, secure and connected environment that can further their growth and sustainability targets through their newly secured contracts with cruise operators and shipping companies that will be responsible for building renewable energy sources in the North Sea.



Making York a leader not only in heritage tourism, but in advanced communications technology.

City of York Council

Working with the Council since 2009, North has delivered projects covering network connectivity including LAN, WAN, Public Wi-Fi and internet filtering alongside telephony, security, data management, CCTV and traffic control systems. Projects included the design, installation, and operation of a city-wide dark fibre network infrastructure, helping York to become a super-connected city.

North's solutions and permanent on-site teams have ensured the smooth delivery of projects and on-going day-to-day management as the network has evolved to meet changing requirements.

North have introduced a Zero Trust Network Access (ZTNA) approach to network operations. A multi-faceted programme of work has included a redesign of the internet edge, migration onto next generation firewalls and the implementation of threat mitigation techniques which is delivered on a fully redundant modular-based solution.

This enables effective service scalability and flexibility while the potential attack surface is reduced by decreasing the number of externally facing appliances.

Utilising Software Defined Access and dynamic LAN segmentation, alongside device fingerprinting and posture compliancy North have provided secure connectivity and access to line of business applications for corporate and 3rd party devices, regardless of their location and maintained PSN compliance.

North re-designed the Wireless infrastructure for guest/3rd party access with the introduction of business class Corporate Wi-Fi 6. This included the introduction of dual factor authentication and by following vendor specific best practice has provided a cost effect solution which has reduced ongoing running and operational costs.



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