

A night-time photograph of a modern city skyline with illuminated skyscrapers. In the foreground, a glass-enclosed walkway or bridge leads towards the buildings. A large, white, semi-transparent circular graphic is centered over the image, framing the scene.

NOKIA

Networks you can bank on

Secure, sovereign and reliable financial service networks

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A world of rapid change

The modern world is changing quickly.
In the financial industry, you must navigate this change
to remain competitive. Clients worldwide rely on you.

That's why it's so critical to monitor external forces and understand their ramifications
on the speed and scale at which you operate your business.

Forces such as geopolitical tensions, which are creating market uncertainty that can
impact technology standards and supply chains. And superpower rivalries, which are
fragmenting technology ecosystems and amplifying scrutiny on cross-border
data flows.

Stricter regulatory mandates are also shaping your strategy. Regulations like GDPR,
NIS2, SDE and DORA affect compliance across data protection, cybersecurity and
digital sovereignty. Increasingly, they shape your ICT supplier strategy as well.

Digital sovereignty may also influence your operations. As governments grasp the
gravity of relinquishing data and technology to foreign entities, they're launching
initiatives to protect national security and augment growth within their own borders.

AI adoption is a concern as well. The consequent energy demands are set to [more than
double by 2030](#), causing many to scramble for more efficient ways to exploit AI without
incurring extraordinary costs.

All of this creates a fast-moving, at times unstable environment that requires
dynamic adaptation to survive.



Obstacles to digitalization

The financial sector faces many challenges to fully digitalizing their operations. Finding the right technology solutions can help overcome these hurdles.

While client and investor expectations for excellence in every transaction remain unchanged, the regulatory, risk and compliance frameworks around you continue to evolve. And even as you work to digitalize your business, you may still be weighed down by legacy technology.

To solve these complex challenges and drive your transition as a nimble and responsive business, you need technology solutions that can help you:

- Secure all sensitive data passing between public, private and sovereign clouds
- Progress digital operations while integrating AI and guaranteeing support for peak transaction periods
- Guard against malignant cybercrime to defend your business and protect your institution from reputational risk
- Refocus legacy networking spend toward digital transformation and modernization
- Comply with regulatory constraints, especially those targeting ICT.

Solutions in times of turbulence

At Nokia, we've worked with many enterprise clients just like you. For whom digital transformation is crucial to your mission-critical business, and outside forces can take outsized tolls on how you operate.

Our networking solutions address your most significant pain points, ensuring you thrive in even the most tumultuous environments with a quality-first networking philosophy.

- Simplify your operations with an automated, open, programmable and extensible network.
- Avoid vendor lock-ins with multi-vendor OS support, giving you the flexibility in ownership to choose the right solution to meet your business requirements.
- Defend against the threat of a quantum computer powerful enough to crack today's encryption standards. A field proven, quantum safe solution delivers security resilience with multi-layer network protection both now and in the future.
- Protect against the rise in botnet attacks with real-time DDoS detection and mitigation, augmented by speed, accuracy, and continuous AI learning capabilities.
- Rein in your costs and protect your investments with scalable, future-proof networking solutions you can trust
- Meet your corporate ESG goals with networking products built for energy efficiency and sustainability.
- Remain confident, knowing Nokia designs products from the ground up for compliance at all times with local laws and regulations.



Quality-first networks for digital transformation

Mission-critical WAN connectivity

- Quantum secure
- HQ to branch, branch to data center
- Optical, Ethernet, MPLS, IP
- Any architecture including xPON, fixed wireless access



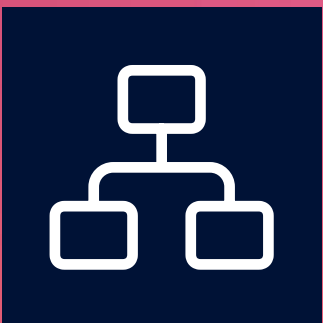
Reliable, automated data center fabric

- Simplified AI-assisted network operations
- Scalable, high-performant leaf/spine switches
- Modern, open, extensible NOS



Simple, reliable LAN connectivity

- Nokia Optical LAN
- Future-proof, fiber-based
- Cost- and energy-efficient



Secure, scalable data center interconnect

- Flexible Optical/IP deployment options
- Quantum-safe network security
- Unified IP/Optical network control and management



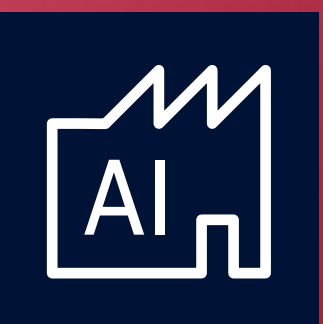
Robust, scalable anti-DDoS

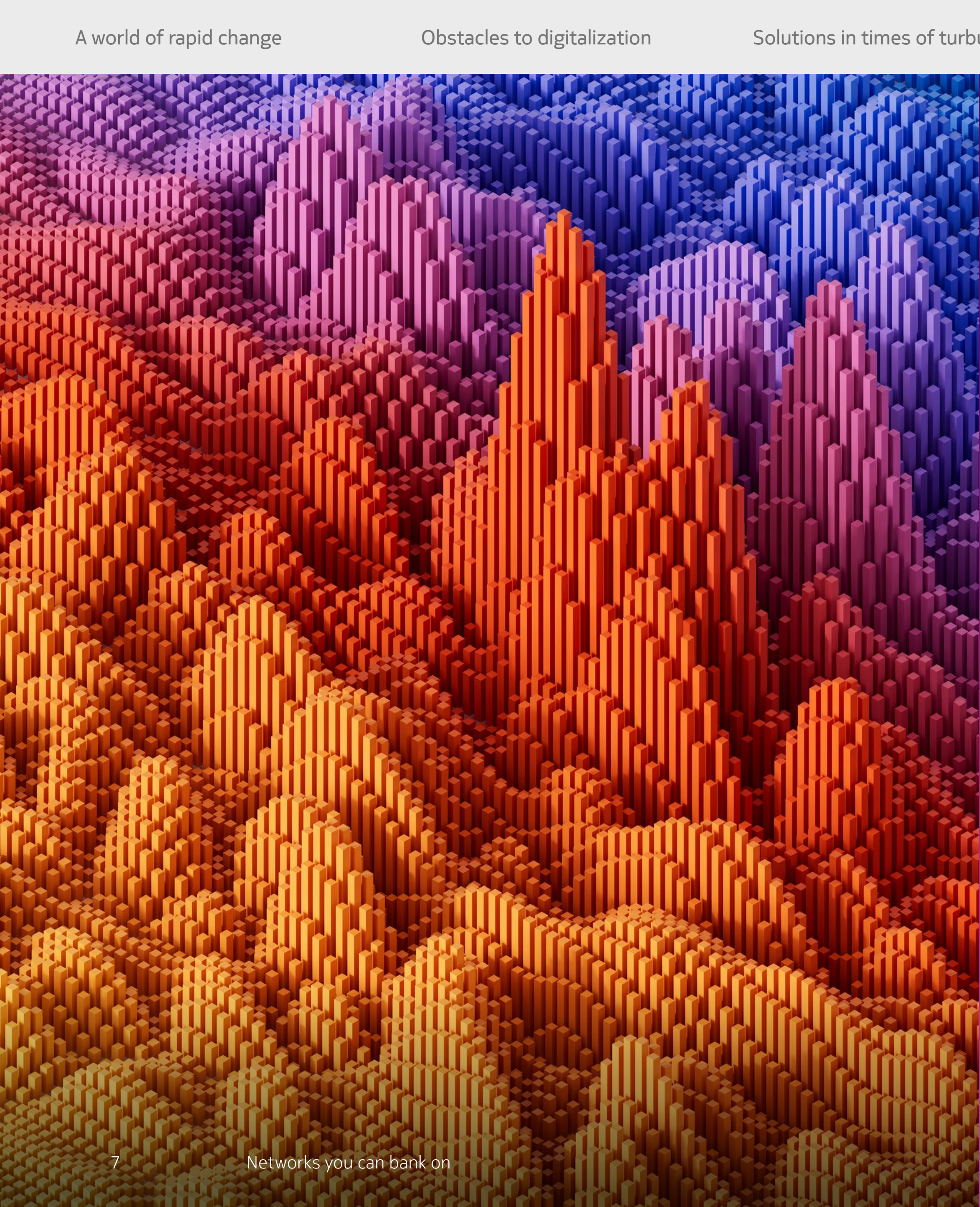
- Multi-dimensional, cross-dataset insights
- Cost-effective, software-based
- Hardware-integrated for cost-efficiency



Adaptable, dynamic private AI data center

- Sovereign AI-ready infrastructure
- High performance support for back-end/front-end network architectures





Customer success: Network capacity to grow

A European bank turned to Nokia and partner Kyndryl when it needed secure, high-performance private data center interconnect (DCI) and HQ-to-branch solution.

With a strong focus on asset management, investment advisory and family office services, the bank operates a small number of private data centers, a main office and several bank branches. The goal was to increase the overall capacity of the network and achieve a high degree of control and improved security over its DCI. As well, the bank needed flexibility to expand capacity when required.

Bright light, dark fiber

Choosing the Nokia 1830 PSS DWDM optical line system brings high-speed capacity for transport between data centers and branch offices, and scale to support unpredictable traffic patterns. Kyndryl supported sourcing of a dark fiber supplier, giving the bank a more affordable option to add the bandwidth so fundamental to its growth.

As well, inclusion of the Nokia 1830 SMS gives the bank a quantum-safe network (QSN) solution. Increasingly, as banks rely on more network-connected devices and move operations to the cloud, the risk of creating backdoors and other exploitable vulnerabilities grows. The bank now has Layer 1 encryption with strong, symmetric pre-shared keys to protect its business-critical data against the harvest and decrypt strategy cybercriminals are employing today—ahead of quantum computer availability.

Customer success: A modernized data center

When Creand (formerly Crèdit Andorrà) wanted to overhaul its data center architecture, it turned to long-time partner Nokia for a solution.

Founded in 1950, the financial group has expanded into Spain, Luxembourg, the United States and Panama and has an operating income of Euro 25 billion. With growth has come an extensive data center operation, and optimizing the flexibility, performance and scale of these operations became paramount.

The group deployed a leaf-and-spine data center architecture, based on the Nokia SR Linux in principal data centers and disaster recovery sites. The Nokia 7250 SR-1 assures interconnection of the vast network of data centers.

A visible difference

The results of this modernization initiative are significant:

- Increased interoperability between the new data center fabric solution and legacy hardware
- Substantially improved network control and supervision, attained through the model-driven management and modern interfaces of SR Linux – a truly open Network Operating System designed for visibility and flexibility
- And the unparalleled speed and reliability to eliminate network downtime and keep customers happy, all around the world.





Customer Success: Flexible data center network fabric

With today's global economy, the majority of financial transactions are done over the internet (Pankargar, 2025). This makes data center performance a critical part of a bank's business. That's why a Europe-based financial technology (fintech) company turned to Nokia for its data center fabric solution.

Now, online, e-commerce, mobile and point-of-sale payments are all done with ease, speed and simplicity. All underlaid by the Nokia 7220 IXR solution and management switch which meet the high connectivity and density demands of a thriving fintech as it expands from Europe into the US, Australia, Japan and India.

Truly open, easily tailored

The more flexible and open the network design, the better. That's where the SR Linux made a noticeable difference. A truly open network operating system, SR Linux is easily customized for the fintech's environment and extensible to support growth. Deep, real-time visibility into the network means the IT team can constantly monitor and react to potential problems—before they cause network downtime.

What did the company like most about working with Nokia? Fast delivery lead time, local delivery and order intake and a well-honed reputation as a trusted network vendor.

Customer success: High-performance IP WAN and DCI

When multiple banks merged into a single entity to form one of France's largest retail banks, rapid network consolidation was a priority. But how to unite so many disparate operations without compromising performance and customer service?

A WAN that works

The solution lay in a combination of a wide area network (WAN) that guarantees security, resilience and high availability plus data center interconnect (DCI) to consolidate multiple data centers and IT infrastructures. Unified management brought everything together on a single pane of glass for easy control.

For scalable, secure and reliable transport, the bank selected the Nokia 1830 PSS optical DWDM solution over dark fiber. The 7750 SR family provided an IP/MPLS overlay for internet and intranet data center routing supporting the separation of traffic and data—a key requirement for subsidiary group traffic and customer data.

A singular success

With a common IT infrastructure, eight subsidiaries now share a private cloud, driving down costs and reducing complexity. When more bandwidth is needed, all that's required is lighting additional wavelengths over dark fiber at minimal incremental cost.

Today, there's a highly cost-efficient and high-performance WAN and DCI behind the more than 100,000 employees supporting 30 million customers and 8,000 branches throughout France.





A partner for digital transformation

Despite the phenomenal forces of change in the world, your customers still expect you to keep their data safe and secure and to deliver every transaction with speed, reliability and predictability.

[Nokia is here to help.](#)

We've worked with more than 1300 enterprises where their business is mission-, business- and society-critical.

We're recognized as data center network innovation and technology leaders by industry analysts: [Gartner](#), [Gigaom](#) and [Light Reading](#).

Digital transformation is never easy, but it is more than possible. Our quality-first philosophy is why our most demanding customers trust us to deliver their mission-critical infrastructure. We prioritize reliability, simplicity and continuous commitment to innovation and best-in-class design and test processes.

With our global footprint, world-leading research and development centers, factory and in-field expertise and years of experience as a trusted network vendor, we are excited to help you realize your goals.

[Talk to Nokia today](#)

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About Nokia

At Nokia, we create technology that helps the world act together.

As a B2B technology innovation leader, we are pioneering networks that sense, think and act by leveraging our work across mobile, fixed and cloud networks. In addition, we create value with intellectual property and long-term research, led by the award-winning Nokia Bell Labs.

Service providers, enterprises and partners worldwide trust Nokia to deliver secure, reliable and sustainable networks today – and work with us to create the digital services and applications of the future.

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