

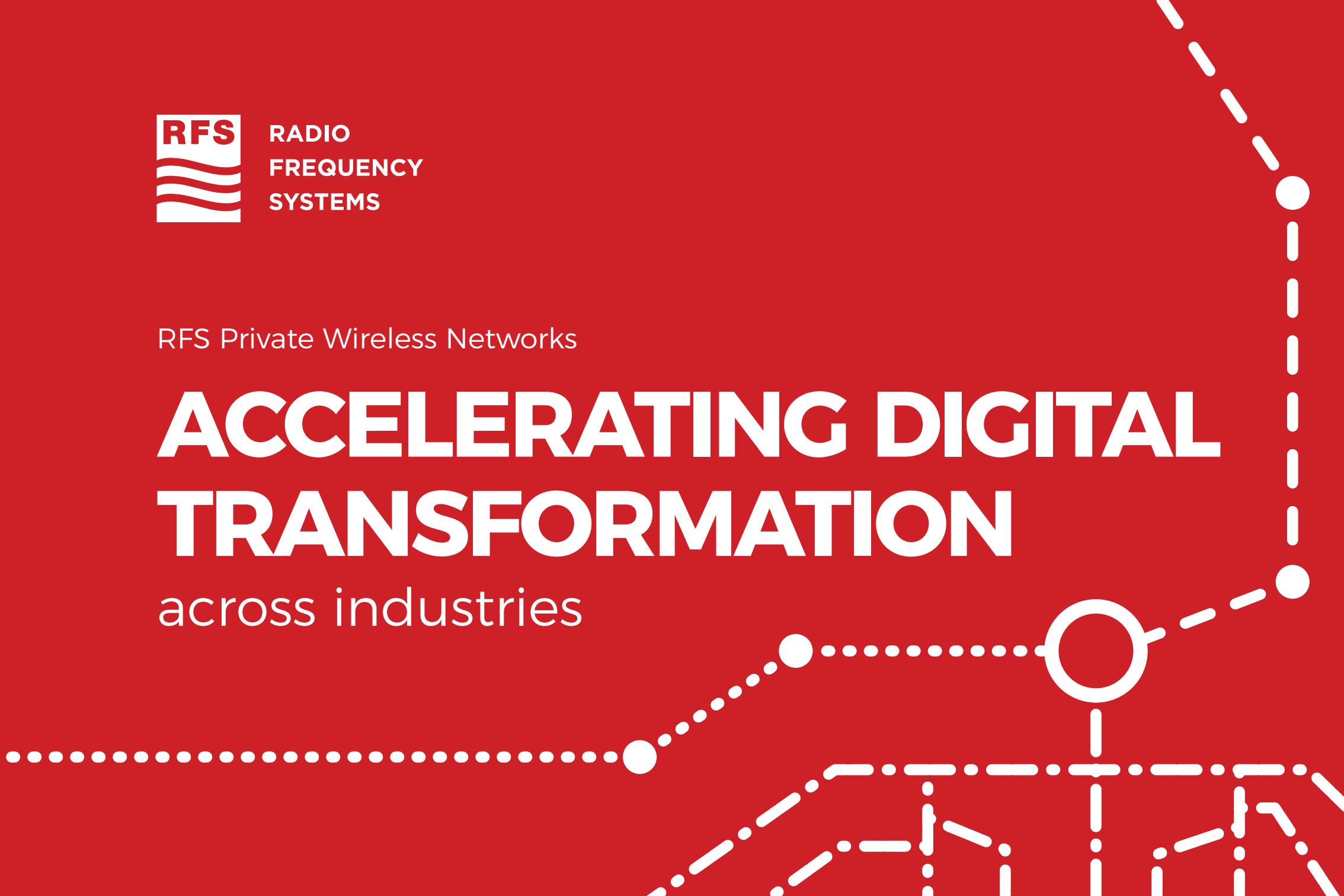


RADIO
FREQUENCY
SYSTEMS

RFS Private Wireless Networks

ACCELERATING DIGITAL TRANSFORMATION

across industries





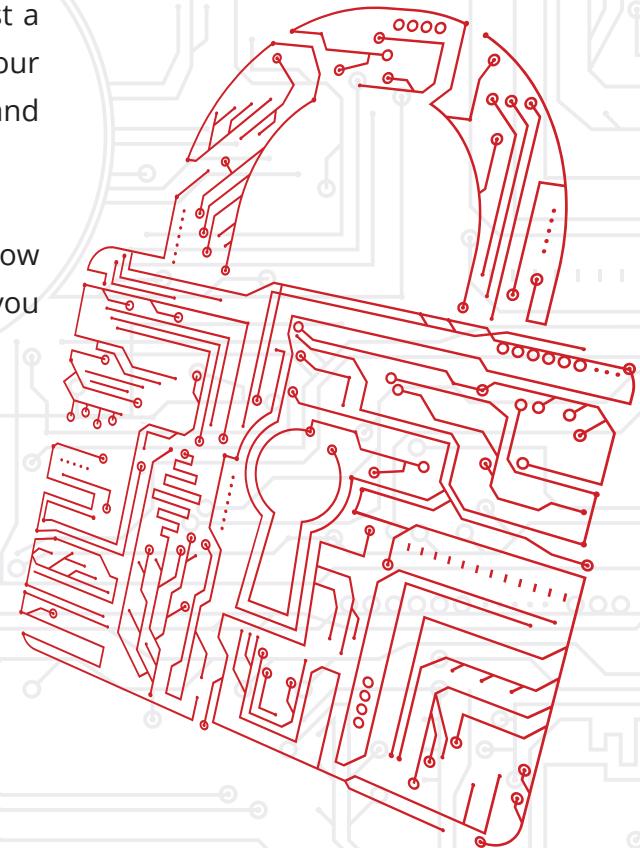
Why industry players need a single partner for wireless network evolution

Today, companies across industries recognize they need to update their wireless networks to achieve their Industry 4.0 digital transformation goals. But with so many wireless technologies and solutions available, choosing the right upgrade strategy and solutions is complicated and confusing.

While there are experts in different aspects of private wireless evolution, each one provides just a piece of the overall puzzle. All of these different vendors, voices and viewpoints increase the risk your wireless network evolution will be slow and expensive, and you won't end up with the reliable and seamless coverage and capacity you need for true digital transformation.

RFS simplifies private wireless network evolution to accelerate your digital transformation with low risks. We are the only company that provides the combination of expertise, solutions and services you need to support all aspects of your wireless network evolution today and tomorrow:

- Network requirements assessment and system design
- Network infrastructure solutions
- Industry 4.0 applications and end-user devices
- Installation and integration of all components
- Network operations and management support
- Network troubleshooting





Your single point of contact for private wireless networks

When you partner with us, you have access to:

- **Unparalleled understanding of wireless network technologies.** We have the expertise and experience to evaluate your needs and ensure your private wireless network provides the carrier grade reliability, speed, security and ultra-low latency today's users expect and future Industry 4.0 applications will rely on.
- **The leading 4G/5G private wireless network infrastructure.** We've chosen Nokia as our infrastructure provider because they're the undisputed global leader in small cells and private wireless networks with more than 360 reference customer networks across industries.
- **Our world-renowned connectivity solutions.** We've set the world standard in communications cables for decades. Along the way, we've introduced numerous inventions and industry firsts that have helped our customers take reliable wireless connectivity everywhere, from tunnels to tower tops, mines to mountains.
- **A fully tailored private wireless solution.** We have the flexibility to provide Nokia applications and ruggedized, industrial end-user devices, as well as applications and devices from other vendors to ensure your solution is tailored for your specific requirements.
- **A complete portfolio of expert services.** Our services team manages your wireless network evolution from the earliest planning and design stages through network deployment and management. With 24/7/365 network operations and management support and service level agreement (SLA)-based maintenance, your private wireless network is always tuned for peak performance.





The ultimate private wireless network infrastructure

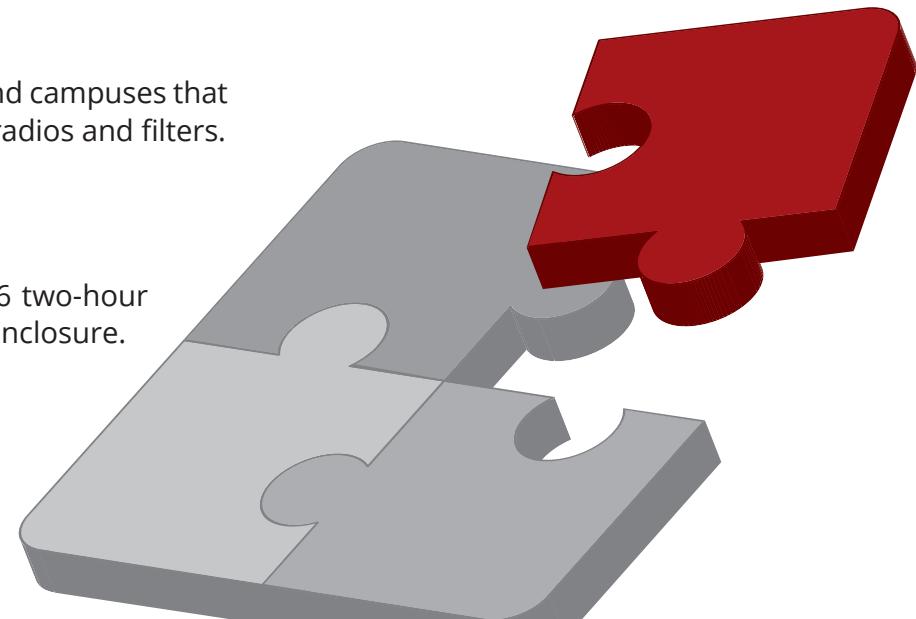
We combine RFS and Nokia solutions to bring you the optimal combination of industry-leading private wireless networking infrastructure for your requirements. Our offerings include:

- The **Nokia Digital Automation Cloud (DAC)**, an end-to-end industrial-grade platform that combines plug-and-play 4G and 5G private wireless connectivity with on-premises edge computing capabilities and ready-to-use applications for faster, easier evolution to real time and automated operations.
- The **Nokia MX Industrial Edge**, a future-ready on-premises edge solution that combines the agility and simplicity of an edge-as-a-service model with high-performance, resilient and secure edge architecture to meet the mission-critical needs of asset-intensive industrial environments.
- **RFS Urban Based Infrastructure (UBI) solutions** for connected cities and campuses that include all infrastructure from the poles to integrated cables, antennas, radios and filters.

RFS connectivity solutions that are ultra-wideband and 5G-ready, including:

- **RFS DragonSkin™**, the first communications cable to pass the UL 2196 two-hour burn test without metal conduit, extensive wrapping or a fire-resistant enclosure.
- **RFS RADIAFLEX®** radiating cables, which are bringing wireless communications to more than 40% of the world's metros.

**FUTURE-READY
SOLUTIONS**
to bring you the
optimal combination of
industry-leading private
wireless networking
infrastructure





A trusted partner for wireless connectivity solutions and services

Our private wireless network solutions build on our extensive global experience in indoor-outdoor wireless connectivity deployments across industries.

Transportation: Metros and road tunnels

Our in-tunnel solutions deliver high quality, uninterrupted communications in some of the world's most high-profile and challenging tunnels, including the:

- Grand Paris Express
- London Crossrail railway network
- Follobanen in Norway
- New York Metro
- Singapore Metro
- Fréjus Road Tunnel
- Eurotunnel

Transportation: Airports

At George Bush Intercontinental Airport in Houston, Texas, we improved wireless coverage and capacity at three terminals to support the massive influx of visitors arriving to attend Super Bow LI.





A trusted partner for wireless connectivity solutions and services

Mining

Our deployments in the mining industry range from enhancing networks to meet more stringent safety regulation, to providing connectivity for a slate mine turned tourist attraction.

Oil & gas

We extended high-quality wireless coverage to every area on Petrobras 30 oil and gas platforms in Brazil to increase worker safety. And our super-rugged microwave antennas are deployed on off-shore platforms in the Atlantic Ocean and the North Sea.

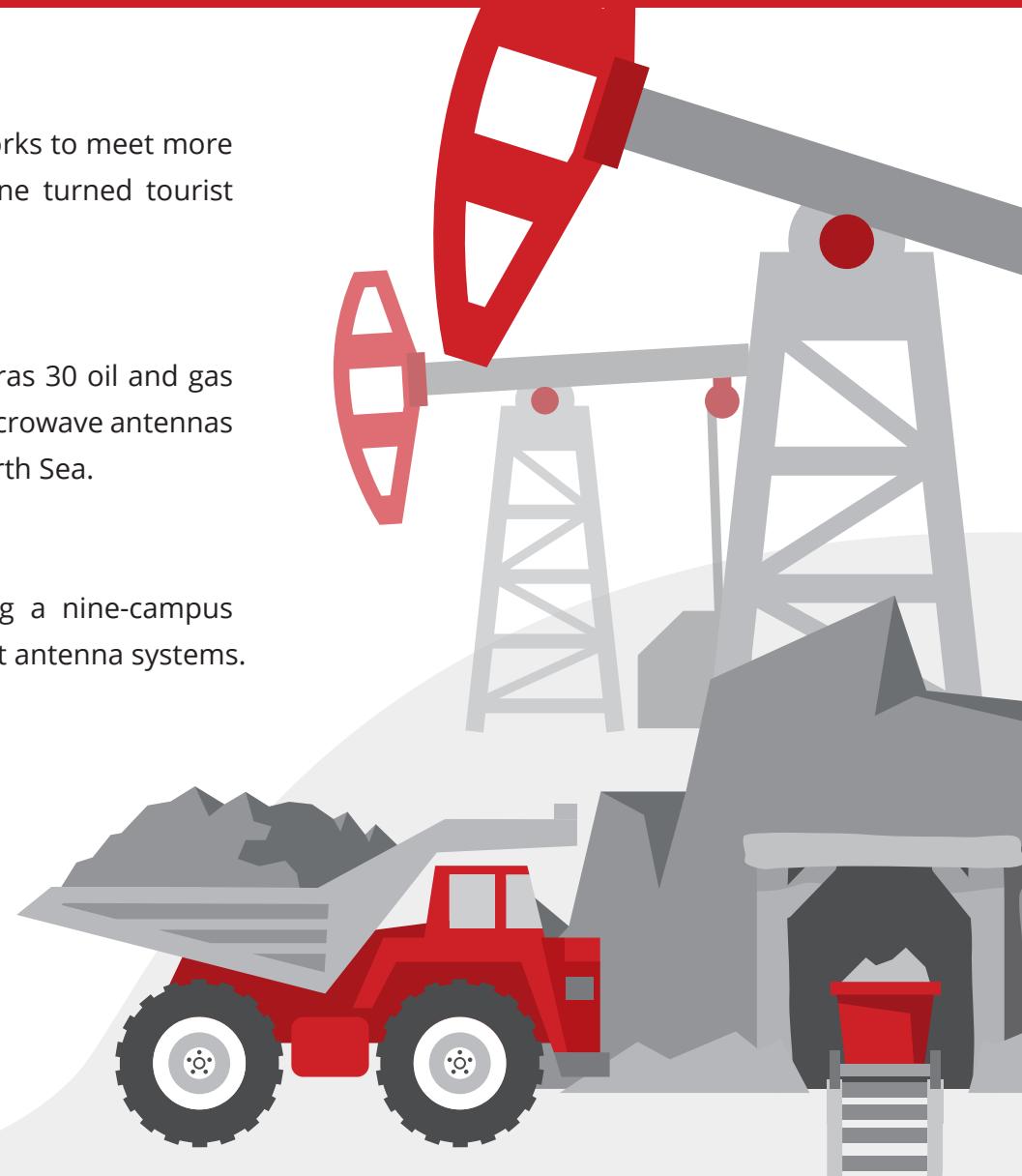
Education

We've supported numerous school campus deployments, including a nine-campus university deployment in the US that required more than 18 broadcast antenna systems.

Commercial real estate and iconic buildings

More than 500 RFS antennas are bringing wireless communications to a nine-building high-rise development in Brazil. Our wireless solutions are also found in iconic buildings, including:

- Maracanã Stadium in Rio de Janeiro
- Louvre Abu Dhabi
- Paineiras Visitor Center at the Christ the Redeemer statue





We turn your digital transformation goals into reality

No matter what industry you're in, the pace of your digital transformation or the applications you're looking to support, we're ready to help you leverage your private wireless network to make your goals a reality.

We bring you the networking infrastructure, solutions and services you need to:

- **Accelerate production** with collaborative robots, autonomous guided vehicles and real-time systems.
- **Increase safety** with video surveillance, automated lighting, digital signage, wireless emergency contact systems and geo-fencing.
- **Reduce equipment downtime** with IoT-enabled predictive maintenance.
- **Make more informed decisions, faster**, with real-time data and better visibility of operations.
- **Improve staff training and access to information** with augmented reality and virtual reality applications.
- **Increase efficiency** with automated asset tracking and logistics management.
- **Reduce carbon emissions and carbon footprint** with smart building applications that optimize use of resources such as water and power.

These are just a few examples of the digital transformation opportunities with an RFS private wireless network. Talk to us about your goals.

We bring the
networking
**INFRASTRUCTURE,
SOLUTIONS
AND SERVICES
YOU NEED**





RADIO FREQUENCY SYSTEMS



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