Demo Book

Orange Belgium Tech Day

Trust the future

23 November 2026

orange™ is here

4 zones to discover Orange Belgium's Tech Innovation

POWERFUL –ULTRAFAST NETWORK

NextGen Connectivity

5G+ Is Live!
5+ Mobile Virtual Network
5G+ AI Dynamic Slicing
5G+ Defense Dome Private Network
5G+ Industry 4.0 Digital Twin
5G+Industry 4.0 Smart Data Bridge
Orange Quantum Defender
Quantum Safe Network
50 G-PON

INTELLIGENT – PROACTIVE NETWORK

AI Augmented Network

AI RAN in action
AI Voice
AI Network Optimization Tools
Home Robot
Live Intelligence
Agentic Customer care

EFFORTLESS – USEFUL CONNECTIVITY

Enhanced Customer Experience

Harry Patcher
Livebox
TV
Indoor Coverage Solution
Smartnodes

TRUST – SOVEREIGNTY – RESILIENCE

Cybersecurity&Enterprise Critical Infrastructure

HAVEN
Dynamix SOC
Cyber Protection
vPen Testing
Network Security
Advanced Location Services
IoT Watchtower
Mini Factory
Evolution Platform
Cloud Avenue
Drone 360

NextGen Connectivity

5G+ is Live!

Smart and flexible network

National coverage
98% population coverage

Reinforced security
Stronger Network security, end-to-end protection

Low latency
For real-time and responsive usage

HD voice calls
HD voice keeping mobile data in 5G+ during calls

Spectrum efficiency
Offloading congested 4G bands, better indoor coverage

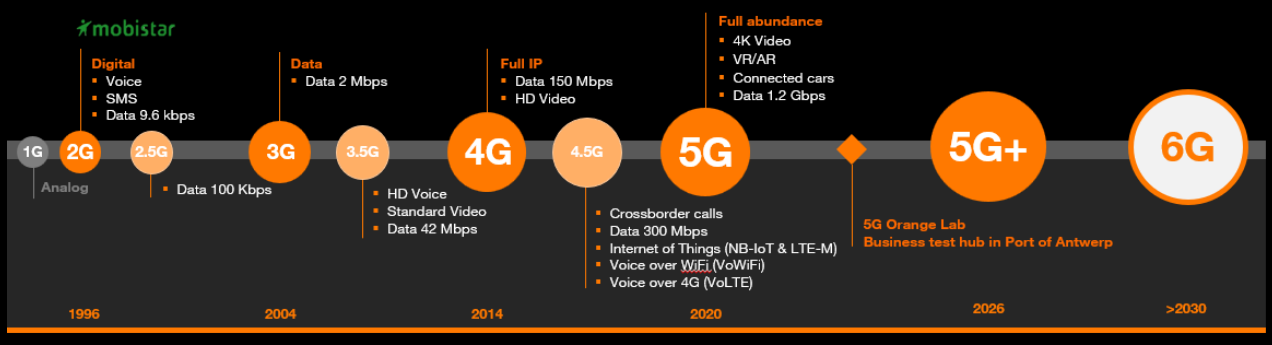
Tailored services
Tailored connectivity with adapted QoS thanks to slicing

What if your mobile network could offer you what matters to you?

Discover how **Orange 5G+** uses **network slicing** to deliver tailored connectivity and differentiated performance for divers customer profiles and needs.

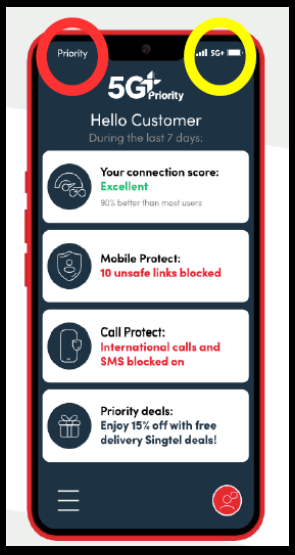
Experience a **live demonstration** and see how **5G+ transforms the customer experience**, from everyday to adaptive connectivity!

Orange Belgium leads Network technology evolution



NextGen Connectivity

5G+ Profiles Display



What if your smartphone could instantly show you the value of your personalised 5G+ connectivity?

5G+ technology enables operators to differentiate connectivity services according to customer needs, but users may not be aware of the premium experience they are subscribed to. Without clear visibility on their smartphone, the value of tailored connectivity can go unnoticed.

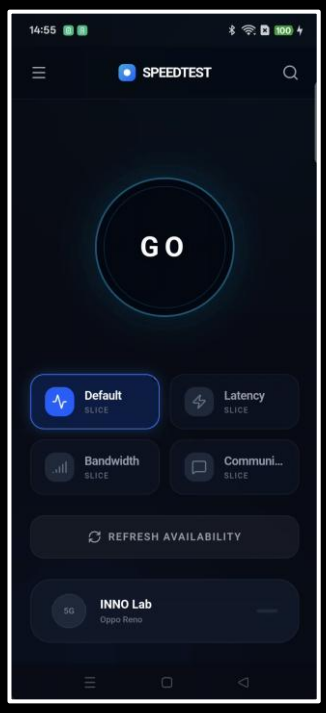
Ericsson Dynamic Connectivity Visualization makes this differentiation visible at first glance by dynamically displaying a customised network name (e.g. *5G+ Event*) on the smartphone, reflecting the type of tailored 5G+ connectivity the customer receives. It increases awareness and satisfaction while helping operators showcase and promote their differentiated premium services.

By making differentiated connectivity visible at first glance, it increases customer awareness and satisfaction while helping operators promote their premium offers.

ERICSSON orange

NextGen Connectivity

5G+ Differentiated Connectivity



What if your video call would be automatically routed to another network slice to deliver high-quality experience?

The smartphones are now supporting the possibility to **automatically detect communication apps and route them to a 5G+ slice.** This allows the user to experience tailored connectivity when it matters e.g. for video calls.

Also, companies like Ookla are starting to develop **smartphone apps and web tools** that show how well network slicing services are working.

5G+
Mobile Virtual Network for Industrial zones

What if your entire site could benefit from secure, reliable 5G+ connectivity, with access controlled down to each SIM card and this without any investment?

Discover how Orange combines **dedicated 5G+ network** slicing with **secure IPVPN** connectivity to connect people, operations and multiple sites to your **private industrial network.**



NextGen Connectivity

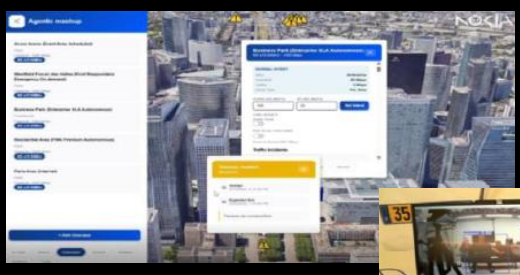
5G+ AI Dynamic Slicing

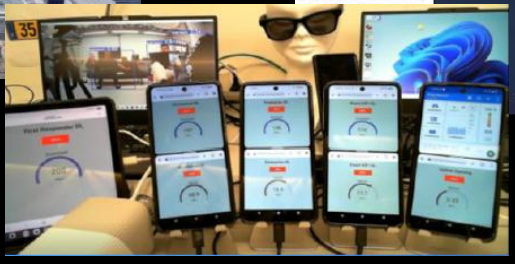
What if your network could anticipate where connectivity is needed most, before congestion even happens?

Discover how **Agentic AI** combines **real-world data,** such as events, traffic and weather, with live network insights to dynamically **modify** and optimise **5G+ slices.**

- AI agents leverage open **Internet data** and **Network data**. **Live AI slicing** demonstration is built on top of **Google Earth** for different use cases like **industrial slicing**, on-demand slicing with agentic AI for **first responders**, for **FWA** and for **mass events.**

- **End-to-End network slices** across **devices, RAN, backhauling, core, cloud and apps** are controlled by **AI agents** running autonomously, on-demand, scheduled or in chatbot mode.







5G+ Defense – Dome Private Network

What if you could bring your own private 5G network wherever an operation takes place, even without existing network infrastructure?

Discover **Dome in a Box**, **a rugged, portable solution that deploys in less than five minutes, connecting teams, devices and critical services in the field. Experience how it enables secure, autonomous communications for command posts, field hospitals and mobile operations – even in air-gapped environments!**

Easily deployable **private 5G core** enables organisations to build and operate their own mobile networks independently, complementing public telecom infrastructure. Designed for **critical environments**, the solution delivers low latency, high resilience, full operational control and sovereign deployment.

By combining high bandwidth, edge computing, and secure connectivity, Dome facilitates **real-time** operations, **secure** information sharing and **resilient** communications.

NextGen Connectivity

5G+ Industry 4.0 Digital Twin



What if you could monitor, diagnose and even control a robot inside a highly secured cleanroom without physically accessing it?

Discover how an interactive Digital Twin, powered by Orange 5G+ and Augmented Reality, mirrors the robot's movements and status in near real time, enabling remote intervention without exposing the customer's network to the public internet.



orange Business

orange

NextGen Connectivity

5G+ Industry 4.0 Smart Data Bridge

Do you know what's happening on your shop floor right now?

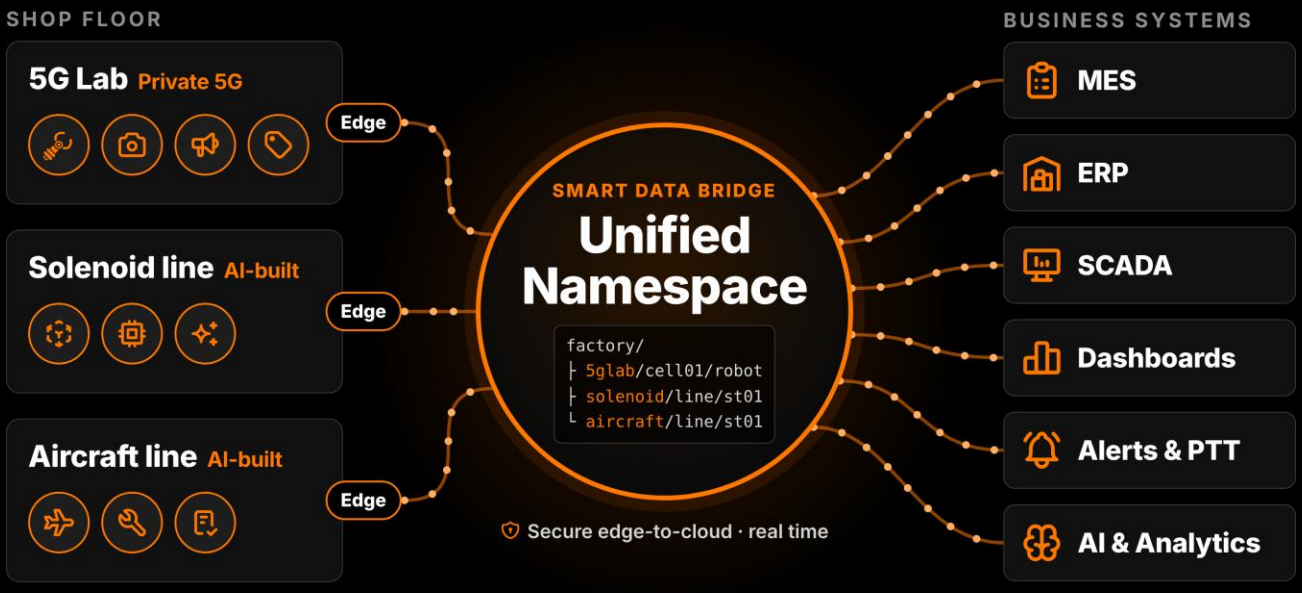
THE CHALLENGE

Machines, MES, ERP and SCADA all speak different languages. Data stays locked in **silos**, and every new use case means another costly integration.

THE SOLUTION

Smart Data Bridge connects every line, machine and system to one **Unified Namespace**, a live view from edge to cloud. One shop-floor event triggers **coordinated action in seconds**: dashboards, alerts and operator radios.

Connect once. Contextualize once. Use everywhere.



orange Business

orange

Orange Quantum Defender



What if your most sensitive data could remain protected against tomorrow's quantum threats, even when exchanged between distant data centres?

Discover how Orange combines:
- **Quantum Key Distribution** (QKD),
- **Post-Quantum Cryptography** (PQC),
- Intelligent Key Management

to secure data flows across multiple sites.

Experience how hybrid **quantum-safe security** adapts protection to each use case, balancing maximum resilience with performance and service continuity.

Quantum-safe Infrastructure

Defense-in-Depth
QKD + PQC

NextGen Connectivity

Quantum Safe Network

What if your critical communications and infrastructure could stay protected against both today's cyber threats and tomorrow's quantum risks?

Discover how Nokia combines Quantum-Safe Networking, optical intrusion detection and automated network monitoring to deliver end-to-end protection.

Experience three pillars of security in action: **preventing** threats, **detecting** physical intrusions in real time, and **automating** incident analysis and response.

Strengthen resilience, protect sensitive data and keep critical services running



Customer Benefits

- Protect sensitive communications
- Detect threats faster
- Improve security visibility
- Strengthen resilience with Quantum-Safe protection

NextGen Connectivity

Quantum Safe Network @Orange Belgium

What if your most sensitive data could be captured today and decrypted tomorrow?

The quantum threat is already driving a new type of cyberattack: Harvest Now, Decrypt Later. Discover why protecting critical data must start before quantum computers become powerful enough to break today's encryption.

See how Orange and Nokia are addressing this challenge through a live Data Center Interconnect proof of concept, using quantum-safe optical transport to protect data in transit.

Discover how this approach can secure communications between data centres and pave the way for **quantum-safe connectivity between enterprise sites and the Orange network** — without replacing existing optical infrastructure.



50G PON

What if your fibre network could deliver up to 50 Gbps ?

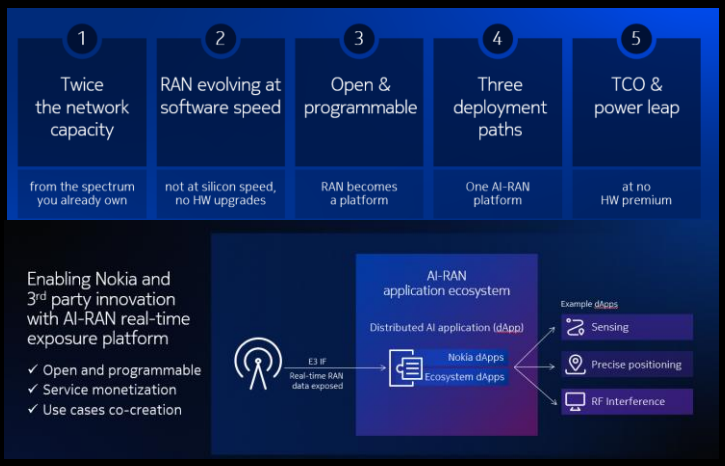
Discover how Orange is pioneering 50G PON in Belgium, becoming the first operator to test this next-generation technology on a live network.

Powered by Nokia's next-generation MF platform and 50G PON technology, together with Orange Livebox, this solution delivers ultra-high capacity while leveraging existing fibre infrastructure.

Explore new possibilities for bandwidth-intensive applications, including high-speed image and video transfers in sectors such as healthcare and medical imaging, as well as demanding B2B services.

Experience Orange Belgium's leadership in innovation, shaping the future of fibre connectivity.





AI RAN in action

AI for RAN

What if your mobile network could optimise itself while creating new business opportunities? Faced with rising energy costs, growing complexity and surging AI traffic, operators need to do more with less. Discover how **combine AI and GPU-accelerated computing** to make networks **smarter**, more **efficient** and increasingly **autonomous.**

AI on RAN

What if a network could detect without additional radar infrastructure? Traditional mobile networks are designed to connect, not to sense their surroundings. Discover how **Integrated Sensing and Communication** (ISAC) transforms radio signals into intelligent sensors, enabling applications such as outdoor drone detection, indoor human detection and weather monitoring.

AI and RAN

How can operators embrace the AI revolution without compromising network performance? Experience how AI-RAN combines intelligent optimisation, GPU acceleration and advanced workload orchestration to deliver autonomous, efficient networks while **enabling innovative services beyond connectivity.**

AI Voice







What if every phone call could become an intelligent, personalised experience?

Language barriers, limited contextual information and increasingly sophisticated phone scams challenge the way we communicate. Discover how AI-powered voice services enrich live conversations with real-time translation, transcription and contextual assistance without changing the familiar calling experience.

What if your phone call could do more than connecting two people?

Traditional voice services offer limited contextual support and interaction. See how AI-powered personal agents analyse conversations, provide instant contextual information and trigger useful actions — from call transcription to answering questions such as restaurant opening hours, directly during a call.

AI Network optimisation Tools

What if your network could identify customer dissatisfaction before it turns into a complaint or a reason to leave?

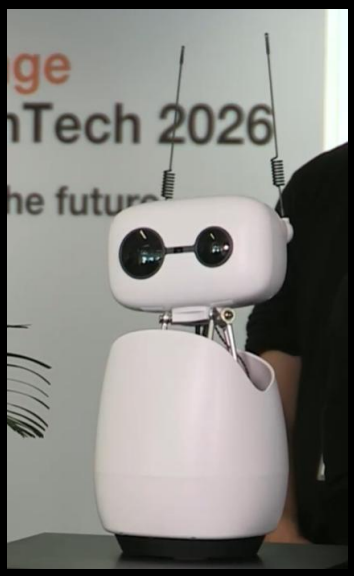
Traditional network KPIs don't always reflect what customers actually experience.

By combining customer survey feedback with network performance data, AI and Data Science identify dissatisfaction, pinpoint technical root causes and highlight **where improvements matter most.**

Network experts can then prioritise interventions and measure their impact. The result: fewer complaints, reduced churn, smarter investments and a network managed around what matters most — **excellent customer experience.**



Home Robot



What if, tomorrow, your home had an AI companion you could see, hear and interact with in an engaging way?

As AI moves beyond voice assistants and screens, the next step is more expressive, natural and engaging interaction. The challenge is no longer just making AI intelligent, but creating an experience that people genuinely want to interact with.

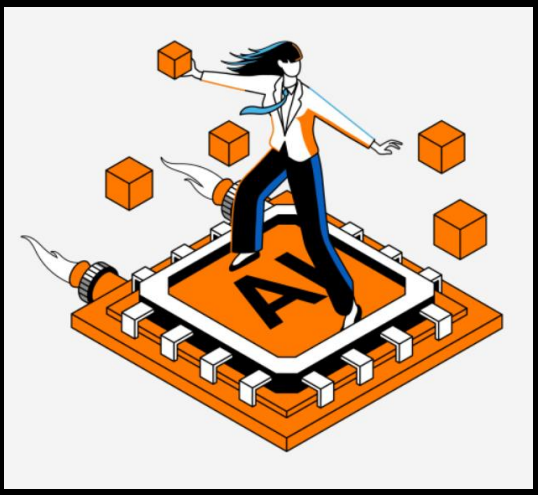
Meet **Reachy Mini,** a companion robot developed by Pollen Robotics, bringing AI to life through expressive movements, visual and audio sensors, and natural conversation.

More than a robot, this is a glimpse into the future of AI at home. Through this research and experimentation, Orange explores how Expressive AI can make technology more human, accessible and engaging, opening new possibilities for home assistance, well-being, entertainment and connected-home services.

These innovations could extend far beyond physical robots, transforming tomorrow's virtual assistants, chatbots and customer interactions.

AI Augmented Network

Live Intelligence



What if your organisation could turn everyday conversations into intelligent actions, while keeping AI secure and under control?

Deploying AI agents at scale comes with major challenges: data sovereignty, governance, integration and vendor lock-in. Organisations need an open, trusted environment to innovate while protecting sensitive business data.

Discover Live Intelligence, **Orange's unified AI platform** combining Portal, **Studio** and **Console**. Business users can create and share AI assistants, developers can build agents connected to enterprise systems, and administrators can govern models, tools, usage and costs. Hosted on it enables secure, scalable AI adoption. **trusted European infrastructure,**

In practice: insurance claims

In an insurance claims demo, a claims handler asks for guidance grounded in internal procedures, then brings an accident statement, police report and medical certificate together in one chat. The assistant cites sources, flags inconsistencies and missing information, and drafts a case summary. The handler reviews and validates before any action.

Live Intelligence turns AI conversations into real actions improving operational efficiency while keeping organisations in control.

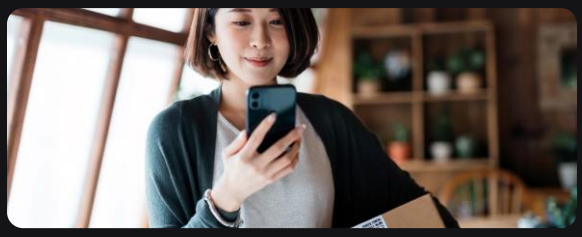
AI Augmented Network

Agentic Customer Care

Imagine a dedicated concierge for customers regardless of their journey or touchpoint.

1. Precision Offerings

Data is fragmented, so AI is uninformed



“

I need help finding **the perfect service plan** *for my family's connectivity needs.”*

2. Effortless Onboarding

Engage across all surfaces and modalities



“

My data plan is almost gone. **Proactively receives one-click data** *pass.”*

3. Proactive Concierge

Address customer problems immediately



“

My service is down. Can you **help me fix it right away** *vs waiting for next window?”*

4. Unified Intelligence

Build loyal relationships no matter the entry point



“

12 year customer & **phone upgrade** *is due. Proactively receive the* **best offers**.”

Loyal, high-value customer

orange

Enhanced Customer Experience

Harry Patcher







What if a fibre connection could be activated in minutes, without sending a technician on site?

Installed in street cabinets, **Harry Patcher automates** the last manual step of our FTTH network. It **remotely connects** customers, **pinpoints fibre cuts** from the office and **verifies every connection** before a technician even needs to set off.

Fewer truck rolls. Fewer errors. A smarter, greener and more resilient network.

See it live: a customer connected remotely, a fibre fault pinpointed and the affected fibre lighting up in red.

Netceed GigaCom orange

Enhanced Customer Experience

Livebox



What if your Wi-Fi experience could be as reliable as the speed promised by your subscription?

For customers, Wi-Fi is about more than speed: uneven coverage, dead zones, interruptions and disconnected devices can disrupt family life and remote working. The real challenge is delivering a consistent experience throughout the home.

Discover how Orange **combines next-generation Wi-Fi** technologies **with smart equipment** and advanced diagnostics to optimise home connectivity.

From Wi-Fi Boosters, MoCA and Fibre-to-the-Room (FTTR) to intelligent simulations and AI-powered diagnostics, Orange can **identify coverage gaps**, suboptimal **equipment placement** and network saturation, pinpointing the root causes of poor performance.

The result: **smarter Wi-Fi optimisation**, more **reliable connectivity** and a **seamless experience** throughout the home putting customer experience at the heart of home broadband.

Enhanced Customer Experience

TV: One TV experience. Endless possibilities



At our stand, discover how we bring the best of TV together.

Making it easier for customers to find and enjoy the content they love. From DAZN, Netflix, Disney+, HBO Max and Be tv to Auvio, RTL and VTM, our super-aggregated offering puts a world of entertainment within reach.

Explore **intuitive interfaces** and apps designed to work across as **many platforms** as possible, including Smart TVs, Apple TV, Google TV, streaming sticks and Android boxes. And for those who want it all in one place, our TV Boxes deliver a **simple, seamless experience** that's easy to get started with.

Whatever you watch, wherever you watch, we're here to make TV work for you.

INDOOR coverage solutions



As buildings become smarter, denser and more energy-efficient, how can we ensure mobile coverage reaches every corner?

We spend around 90% of our time indoors. Discover Orange's portfolio of indoor coverage solutions, designed to bring reliable mobile connectivity inside today's buildings.

Whether it's a small office, a factory, an airport or a train station, Orange can deliver an **indoor coverage solution suited to your needs** — from making a simple phone call to enabling advanced 5G Standalone Mobile Private Networks.

Enhanced Customer Experience

Nokia Femtocell solutions and Smart Node

High-performance 4G & 5G indoor coverage to meet subscribers' and enterprises' expectations

What if every home, office or business could enjoy a premium mobile experience, with excellent 4G/5G coverage indoors?

Despite generating more than 80% of mobile traffic, indoor environments often suffer from poor connectivity due to building materials, complex layouts and distance from outdoor antennas.

Nokia Smart Node brings mobile network inside buildings, delivering seamless, high-quality voice and data connectivity through a simple, cost-effective solution using existing broadband connections.







Enhanced Customer Experience



HAVEN

Do you know what your connected devices do at night, while you sleep?

Smart fridges, cameras and plugs run quietly in the background. We rarely question them, because they just seem to work. But any one of them could pose a hidden risk: leaking data or exposing the network to hackers without you ever noticing.

HAVEN, built into the **new prplOS-powered Livebox,** is a solution that enables our customers to **enhance security of their home network** in a **simple way**. They don't have to be cybersecurity or technical experts.

It only watches behavior and traffic patterns of the devices, **never the content** of calls, messages or files.

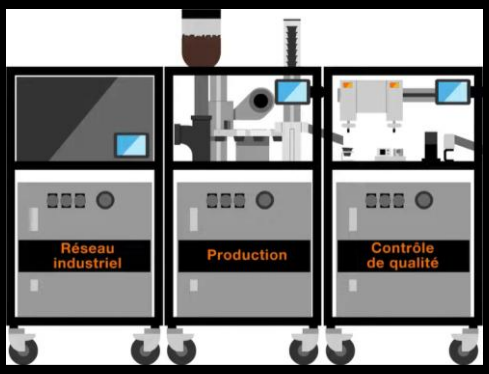
Beyond real-time protection for households, HAVEN's **IoT/OT Security Lab** goes further for businesses and critical infrastructure.

It tests the exact hardware and firmware of devices such as smart meters, industrial controllers and EV chargers to uncover vulnerabilities **before deployment**, then keeps testing them **over time** as updates arrive.

Through automated testing, expert analysis and clear **security reports**, HAVEN helps organisations make informed purchasing decisions and strengthen their **supply-chain security.**

HAVEN: a safe harbor for every connected device

Cybersecurity&Enterprise
Critical Infrastructure



MINI FACTORY

What if your factory could become smarter, safer and more efficient through one connected ecosystem?

Discover the Mini Factory: a real coffee-pod production line that brings the factory network, production line, and AI use-cases such as quality control together in one managed environment, operated remotely.

Secure remote access, integrated cybersecurity and resilient connectivity - including a backup SIM for each module - help keep operations connected and protected. A digital twin and production dashboards provide clear, real-time views of the production line, while IoT sensors connected to Orange Live Objects provide condition monitoring and support predictive maintenance. At the quality-control stage, computer vision sorts capsules by color, while weight scales and an AI model linked to the thermal heat camera help identify and reject faulty products.

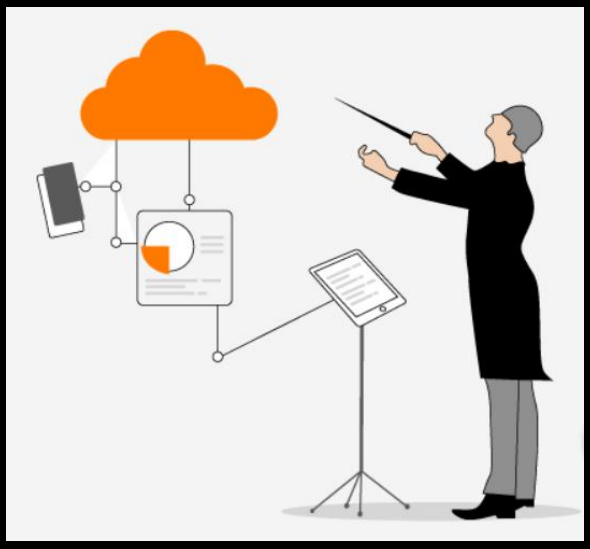
The Mini Factory shows how Orange Business makes IT and OT work together to **make production lines smarter, safer** and **more efficient**.

orange Business

orange

Cybersecurity Enterprise
Critical Infrastructure

EVOLUTION PLATFORM



What if your network, security and cloud services could adapt to your business on demand in minutes?

Digital transformation often means dealing with complex architectures, multiple cloud environments, lengthy deployments and demanding security requirements.

Evolution Platform **simplifies this**. From one console or through APIs, you design, deploy and adjust virtualised network, security and cloud services yourself, in near real time. Services come from leading technology partners, are pre-integrated and hosted in Orange Business points of presence. You get the agility of the cloud with the performance and resilience of the Orange Business network.

Evolution Platform changes the game creating a **trusted, resilient** and **scalable** infrastructure that evolves as fast as your business.

orange Business

orange

Cybersecurity&Enterprise
Critical Infrastructure

CLOUD AVENUE



What if you could enjoy all the agility of the cloud without compromising control over your data?

As organisations increasingly rely on cloud services for critical business operations, data sovereignty, cybersecurity, regulatory compliance and operational resilience are becoming strategic priorities.

Cloud Avenue, Orange Business' **trusted European cloud platform**, combines **cloud flexibility** with **European sovereignty,** offering a choice of shared, dedicated private and SecNum environments, backed by resilient infrastructure, enterprise-grade security and flexible operating models.

With data centres across Europe and support for everything from traditional applications and containers to data and AI workloads, Cloud Avenue enables organisations to innovate, scale and embrace hybrid cloud while maintaining control over their most critical assets. The trusted, sovereign cloud for a future built on confidence.

orange Business

orange

CYBER PROTECTION



What if your small business could detect and respond to cyber threats without having its own cybersecurity team?

Even a single suspicious file opened by an employee can put an entire business at risk, and without dedicated IT experts, detecting unusual activity, understanding alerts and knowing what to do next can be a real challenge.

Orange Cyberdefense Cyber Protection combines automated workstation protection, behavioural threat detection and 24/7 expert analysis in one simple, manageable service designed for businesses with up to 30 computers.

Follow a suspicious event from the moment it is detected and contained on a protected device to the alert appearing in the customer dashboard, where the business owner can understand what happened and take the appropriate action.

Enterprise-level cybersecurity expertise, made accessible to small businesses.

Cybersecurity&Enterprise
Critical Infrastructure

Dynamic SOC



What if your business could have a cybersecurity team watching over it 24/7, without having to build one yourself?

Small and medium-sized businesses are increasingly targeted by cyberattacks, yet often lack the resources, expertise and dedicated teams to monitor threats and respond when incidents happen.

Having anti-virus software is no longer enough: businesses need to detect suspicious behaviour, contain attacks and react before damage spreads.

Dynamic SOC, powered by Orange Cyberdefense expertise, brings enterprise-grade cybersecurity within reach of SMEs, combining continuous monitoring, real-time threat detection, automated device isolation and expert incident response.

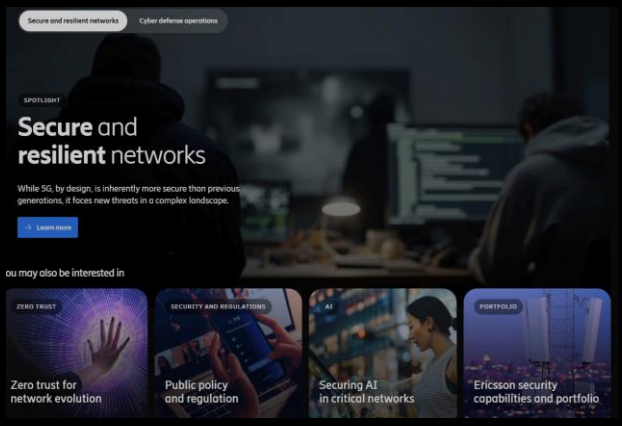
Cybersecurity that never sleeps, giving every business the protection and peace of mind it deserves.

Orange Cyberdefense

orange

Cybersecurity&Enterprise
Critical Infrastructure

NETWORK SECURITY



What if security was built into your mobile network from the start, and continuously strengthened as networks, technologies and threats evolve?

As networks evolve with 5G, cloud-native architectures and increasingly interconnected services, the cybersecurity challenge goes far beyond traditional IT. Protecting a modern mobile network requires a holistic approach spanning technology, people and processes, from product development and deployment to day-to-day security operations.

Ericsson addresses security across this **life cycle**. Our **Security Reliability Model (SRM)** embeds security and privacy **by design** into our products, solutions and services. **Continuous security management** keeps networks protected as threats evolve.

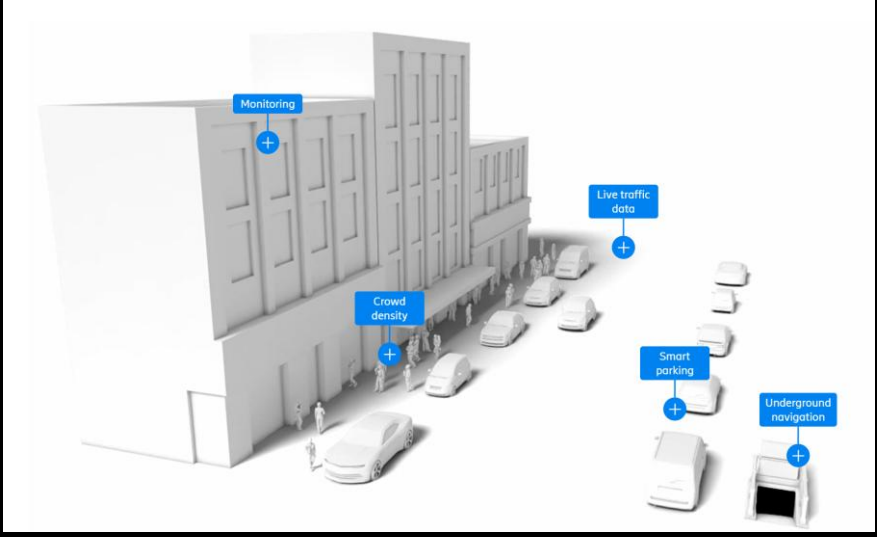
Ericsson Security Manager (ESM) complements this approach by bringing **visibility, automation** and **cyber defence** to mobile networks. Key capabilities include **continuous monitoring** and enforcement of security configurations and policies, **agentless detection** of suspicious activity on critical systems, **air-interface defence** against threats such as rogue or false base stations and **automated certificate management** to protect identities and communications.

Advanced Location

SERVICES

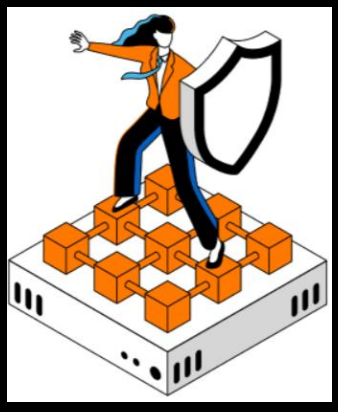
What if the mobile network would give you precise location independently of GPS data, to track assets inside your facilities, to monitor live traffic and crowd density in cities, to enable geofencing or enable smart parking applications?

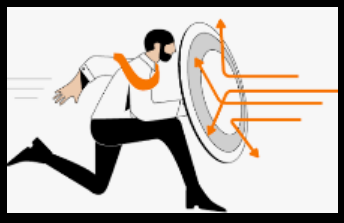
5G Advanced macro positioning can provide **accurate outdoor location** across broad network areas, using the mobile network rather than relying solely on specialized tracking infrastructure. Location exposure lets businesses and application developers **access network-derived location information** through APIs and integrate it into their services and operations.



Cybersecurity&Enterprise
Critical Infrastructure

Cyber protection Endpoint Detection & Response





What if a small business could protect its computers, detect suspicious activity and know what to do next, without having its own cybersecurity team?

Even a single suspicious file opened by an employee can put an entire business at risk. While anti-virus software provides a first line of defence, small businesses often lack the resources and expertise to monitor unusual activity, understand security alerts and respond effectively, especially outside working hours.

Cyber Protection from Orange Cyberdefense brings together **workstation protection, behavioural threat detection, automated protective actions and expert analysis** in one manageable service designed for businesses with up to 30 computers.

Cyber Protection makes **professional cybersecurity more accessible to small businesses**, helping them stay protected and informed, without needing to become cybersecurity experts.

Cybersecurity&Enterprise
Critical Infrastructure

vPen test



What if you could see your network through an attacker's eyes before they strike?

Organisations face an increasing number of cyber threats, but traditional vulnerability scans don't always reveal which weaknesses can actually be exploited or how far an attacker could go. Identifying and prioritising the most critical risks remains a challenge.

vPen test simulates authorised external and internal attacks to validate vulnerabilities, uncover potential attack paths and assess their real impact.

Orange Cyberdefense transforms the findings into clear recommendations, helping organisations prioritise remediation and continuously improve their security posture.

Challenge your security before attackers do.
Expose vulnerabilities. Protect what matters.
Know your weaknesses. Secure your future.
Find vulnerabilities before they become incidents.

Cybersecurity&Enterprise
Critical Infrastructure

IoT Cybersecurity Aeris IOTA & Watchtower



What if you could see everything your connected IoT devices are doing and spot suspicious activity before it becomes a threat?

Cellular IoT devices are increasingly critical to business operations, yet their long life cycles and limited built-in security make them difficult to monitor and protect.

Traditional IT tools often lack visibility into their network communications, leaving organisations exposed to hidden risks.

Aeris IoT Watchtower provides **visibility into connected devices and their network traffic**, using behavioural analysis and near-real-time alerts to identify unusual activity. With security insights, reporting and configurable controls, it helps organisations **investigate threats, manage IoT risks** and strengthen their security and compliance posture.

Orange Drone 360

What if you could detect, identify and track unauthorised drones before they threaten a sensitive site?



Orange Drone 360 combines multi-sensor detection, intelligent analysis and a centralised Command & Control platform to identify and monitor drone activity in real time.

Delivered as a managed service and hosted on Orange's trusted cloud, it provides enhanced situational awareness and helps organisations protect critical sites through smarter & coordinated security.

Business