

Mobile World Congress Barcelona 2026

Demo descriptions

Our MWC themes reflect a common vision: advancing shared progress through innovation, grounded in technological excellence, trust, and positive societal impact.

These demos illustrate how Orange turns technological challenges into opportunities for sustainable value creation by harnessing the power of networks and creating human-centric digital experiences that are simpler, more secure, and more inclusive.

Reinvent Connectivity

Orange networks are becoming intelligent, adaptive platforms that go beyond simple connectivity. They can now sense and act on the environmental conditions around them.

Fiber Detection turns existing infrastructure into environmental sensors, while drone-based maintenance solutions and Network as a Service are transforming mobile network operations. With Network-Augmented Facilities and Forest Fire Guardian, Orange demonstrates how network intelligence can secure critical sites and help protect natural ecosystems.

Combined with the strategic use of satellite and terrestrial infrastructure, these capabilities deliver resilient connectivity everywhere, on land, on or under the sea, and in the air.

They embody Orange's vision of a network that creates value beyond connectivity, supporting environmental progress, security, and operational performance.

Fiber Detection

Reinvent connectivity as an intelligent system that can detect and interpret change and trigger alerts.

From water leaks to ground movements, the fiber network protects critical infrastructure while unlocking new capabilities for environmental monitoring.

Orange is transforming environmental monitoring by turning its existing fiber optic network into a highly sensitive, distributed sensing system. This breakthrough technology, known as Fiber Sensing, uses light properties to detect acoustic and mechanical vibrations, movements, and environmental incidents in real time along fiber optic cables.

The solution combines VIAVI's Distributed Acoustic Sensing technology, which measures variations in optical signals to precisely locate disturbances, with LightSonic's AI algorithms to identify specific events such as water leaks. Orange's data and AI processing filters, classifies, and correlates signals to ensure reliable alerts. All data is non-intrusive and processed in secure environments, with full traceability and transparency around detection criteria to help build trust.

Use cases are already concrete and wide-ranging, from leak detection on water networks, tracking road traffic, and supporting environmental and seismic applications.

At MWC, the demo comes to life. Walk or jump in the fiber-equipped area, or tap on a technical cabinet, and the fiber instantly detects and localizes the event, displaying it in real time on the dashboard.

Currently at an advanced demonstrator stage, this innovation fully reflects Orange's strategy: building on network excellence, enriching trusted connectivity with data and AI, and creating new services that deliver value for customers and territories.

By fundamentally changing how network infrastructure is perceived, Fiber Detection opens up a promising new market. Beyond connectivity, the reach of the fiber optic network becomes a territorial nervous system, able to sense and analyze the physical environment.

Network-Augmented Facilities

Reinvent value creation through Network APIs.

An open API platform integrated with a digital twin helps monitor and protect strategic sites, offering customers real-time visibility and safer, more efficient coordination of security operations.

In an increasingly connected and automated world, securing critical infrastructure remains a major challenge. Human patrols inevitably leave blind spots. The question is how to ensure continuous, responsive monitoring while making smarter use of resources and connectivity.

For the first time, Orange is making a network API platform directly accessible to end customers. Developed with Shabodi, the platform aggregates and orchestrates multiple network capabilities. Natively integrated into the customer's digital twin, designed by Optim.aize, it turns connectivity into an on-demand service.

At MWC 2026, the demo unfolds through a concrete scenario. A 5G surveillance drone detects suspicious activity at an airport. Using Orange's identity, anti-spoofing, and geolocation APIs, the drone is authenticated and its position confirmed. From the digital twin, the command center activates a 4K video stream, with quality dynamically guaranteed through the Quality on Demand API. The intruder is identified, a response team is dispatched, and the entire intervention is coordinated end to end.

Artificial intelligence also plays a key role in the demonstration. Computer vision algorithms analyze drone video feeds in real time to automatically detect unusual events and quickly identify anomalies or intrusions. AI further optimizes patrols and interventions by prioritizing actions and deploying security teams more efficiently.

Beyond the technology showcase, the demo highlights the value created through network data and dynamic resource allocation. By leveraging its networks and APIs, Orange delivers innovative, secure solutions for monitoring and managing critical infrastructure, while keeping people at the center of decision-making. Network-Augmented Facilities goes beyond a simple demo. It presents a concrete vision of intelligent, secure, and efficient surveillance for a more connected and more resilient world.

Orange Drone Inspection

Reinvent mobile infrastructure maintenance.

Drones combined with AI image analysis inspect mobile antennas faster and more accurately, enhancing technician safety and intervention reliability during scheduled maintenance or extreme weather incidents.

Orange Drone Inspection shows how networks and AI are reshaping infrastructure maintenance. After a storm or unexpected incident, every minute counts. This solution enables fast, remote, and secure diagnostics, helping restore service more quickly, reduce technicians' exposure to risk, and base decisions on reliable data.

The system uses long-endurance fixed-wing drones equipped with photo and video cameras, Orange SIM cards, and precise geolocation. Video streams are transmitted in near real time over Orange's 4G and 5G networks. An AI platform automatically analyzes the images, detects anomalies, and provides an initial diagnosis to help prioritize interventions.

This approach speeds up diagnostics, reduces travel, and removes the risks associated with working at height. By grounding decisions in AI-driven analysis, it also strengthens operational confidence. Modular by design, the solution can easily extend to other use cases, including industrial site monitoring and environmental surveillance.

At MWC, the demo links Barcelona live to an antenna inspection taking place in France, near Paris. The video feed is streamed in real time on screen, while scale models of aerial and ground-based drones complete the experience. Visitors can follow the operation live or on replay and try drone piloting through a VR simulator.

Currently being tested across multiple sites, Orange Drone Inspection illustrates the value of practical, responsible AI in building more resilient networks and supporting human teams with confidence. It offers a safer, faster, and more efficient way to maintain infrastructure, benefiting both teams and customers.

An innovative training module helps teams build and maintain expertise. Wearing a VR headset, trainees are immersed in a real-world operation through a 360-degree video enhanced with 3D overlays. They can see drone positioning, safety distances, and risk zones on a synchronized 3D model, along with flight data. Interactive elements and multiple-choice quizzes reinforce key operational skills, from bolt inspection to anomaly classification.

Orange Wholesale Mobile Telco as a Service

Reinvent mobile network service management in just a few clicks. View, analyze and adapt network configurations to match changing needs in real-time thanks to a user-friendly web platform.

The Mobile Telco as a Service demo is part of the broader digital transformation of telecom operators, driven by network virtualization and the digitization of customer journeys. It addresses the needs of operators and new entrants looking to create, manage, and evolve their 5G mobile core quickly and securely, without heavy upfront investment or deep technical expertise. The platform's key innovation is its ability to deliver complex network services as a service, removing the need for deep technical expertise. Now in an advanced testing phase, the solution is built on cloud-native infrastructure, network function virtualization, and open APIs, and tomorrow with AI playing a growing role in automating and optimizing resource management. It reflects Orange's commitment to operator digitalization by delivering trust, security, and agility in a rapidly evolving market.

Mobile Telco as a Service helps speed up the launch of new mobile services, reduce operational costs, and offer new flexibility to scale network capacity in line with the rollout of 5G and the rise of AI-driven use cases. As networks increasingly need to adapt to highly variable traffic loads, particularly due to AI-based applications, the ability to analyze and adjust resources intelligently becomes a major advantage for operators aiming to deliver responsive services. The solution also showcases Orange's expertise in managing both local and international networks, reinforcing its leadership in the wholesale market while opening the door to new services. It's accessed through an intuitive web platform called Click, which allows operators to manage their mobile core in real time, adjust parameters on demand, and instantly see the impact of their choices on the underlying infrastructure.

At MWC, the demo brings this to life. Operators log into the Click platform, view their mobile core alongside other mobile assets such as IMS as a Service, roaming services, IPX, EVPL, and satellite connectivity. They activate or deactivate services through the interface, follow changes live on a technical dashboard, and see the immediate impact on a connected smartphone. All of this is done remotely, with no on-site intervention and minimal operational overhead for the operator, combining efficiency, simplicity, and security.

Forest Smart Guardian

Reinvent connectivity to protect the environment.

By combining autonomous drones, AI, and 5G network slicing, this unified platform anticipates forest fire risks, coordinates responses, and enables stronger protection for communities and the environment.

Fighting forest fires represents a major environmental challenge, made more severe by climate change. Protecting populations and preserving critical infrastructure have become increasingly urgent in the face of fires that are growing more frequent and more destructive.

The Forest Smart Guardian solution addresses the full forest fire lifecycle, from prevention and detection to operations and recovery, with a particular focus on early prevention and operational response. Its core innovation lies in the use of artificial intelligence to process and analyze data from multiple sources, including ground sensors, aerial imagery captured by autonomous drones, weather data, and a range of mapping datasets.

By combining these data sources, the solution generates accurate fire risk maps to support prevention efforts and relies on a digital twin, currently under development, to anticipate fire behavior and support more effective coordination of firefighting operations.

The technologies deployed form a fully integrated ecosystem, providing a clear, shared view of the situation:

- Network slicing to ensure critical connectivity.
- Autonomous drones for aerial surveillance.
- Tactical bubble to ensure network coverage in hard-to-reach areas or in the event of antenna failure during a fire.
- Digital twins for predictive modeling (WIP).

At MWC, the demo unfolds across several stages. At Orange's booth, visitors discover a drone-in-a-box, a portable case acting as an autonomous network cell (the tactical bubble), and a console displaying a live risk map. In parallel, a live connection is established with a forest site, where a drone similar to the one shown on the stand captures images that continuously feed and update the risk map.

This solution offers a concrete response to the needs of public authorities responsible for forest management and firefighting. It delivers powerful predictive capabilities to anticipate risks, optimize resource deployment, and improve the speed and effectiveness of emergency response.

Live Space

Reinvent connectivity to ensure resilience to all customers wherever they are.

Enjoy reliable connections thanks to the strategic complementary of satellite and terrestrial and submarine infrastructures.

At Orange, resilience is a top priority, driven by customer expectations for continuous connectivity, everywhere and in all circumstances. To meet this demand, the company relies on robust and complementary infrastructures that combine terrestrial, submarine, and satellite networks.

Satellite connectivity is essential to ensure universal and hybrid coverage, but it depends on strong terrestrial relays. Gateways and teleports play this key role, acting as anchor points between space and ground networks. With more than 60 years of experience, Orange operates an extensive network of teleports, along with 5,000 sites and antennas worldwide. The Tier-4–certified Bercenay-en-Othe teleport is a flagship example, ensuring interconnection across all satellite orbits, LEO, MEO, and GEO, as well as with terrestrial and submarine infrastructures, even in the most complex environments. Here's how Orange supports its customers with tailored solutions:

- **For satellite operators:** Orange provides the essential link between space and Earth, offering Ground Segment as a Service and turnkey Gateway as a Service solutions. Working with all major satellite partners across all orbits, Orange delivers multi-orbit and multi-partner solutions that ensure resilience, security, service continuity, and digital inclusion.
- **For consumers:** Orange is the first telco operator to launch satellite-based SMS services in Europe, using Direct to Device technology to complement its satellite broadband offerings.
- **For enterprises:** The focus is on secure connectivity, mobility, and business continuity, even in critical situations or remote locations.
- **For the wholesale market:** Orange delivers mobile backhaul and hybrid connectivity solutions, enabling operators to maintain optimal quality of service for their customers worldwide.

Expert teams operate on a follow-the-sun model, providing continuous monitoring and management of infrastructure through a global network of teleports and partners. This ensures round-the-clock expertise, fast response times, and reliable operations wherever customers are located.

One of Orange's key strengths is its ability to integrate satellite connectivity into a global ecosystem linking land, sea, and air. Combined with strong expertise and a broad partner network, this integrated approach ensures resilient connectivity for customers worldwide, today and in the future.

Go Beyond Connectivity

Orange is reshaping the digital experience, designing innovations around people and trust.

From Max it Easy Talk's multilingual voice interface, which makes digital services accessible to more than 20 million current and potential users, to solutions like LiveMemo Agent that free up professionals from administrative tasks, Orange develops technologies that adapt to real-life needs.

With Livebox Store, the Livebox router becomes a true home services hub. Family Protection and Branded Calling strengthen digital safety for families and help restore trust in everyday communications.

Together, these innovations reflect Orange's commitment to inclusive and responsible digital technology that delivers tangible value, turning technological advances into meaningful progress in customers' daily lives.

Orange Max it Easy Talk

Go beyond connectivity by accelerating the adoption of digital services.

Powered by the latest AI models, including specialized LLMs, users can interact by voice with all key services in the Max it super app, even in local African languages.

In Africa and the Middle East, linguistic diversity and low literacy levels remain major barriers to accessing digital services. To address this challenge, Orange developed Max it Easy Talk, an innovative solution built directly into the Max it super app. It allows users to access essential services, such as Orange Money, simply by speaking in their local language, with no need to read or write.

Max it Easy Talk stands out through its multilingual voice interface, which can understand and respond in local African languages such as Wolof. This capability is powered by the latest advances in artificial intelligence, including specialized large language models. The AI handles speech recognition, intent analysis, and voice responses, enabling a fully voice-based interaction that's simple, intuitive, and accessible. The result is a smooth, personalized, and secure user experience, designed with a responsible and trust-based approach.

What truly sets Max it Easy Talk apart is its ability to deliver a 100 percent voice interaction in languages that are rarely supported by existing market solutions, while maintaining strong security and trust through rigorous data governance and responsible AI practices. By helping bridge the digital divide, the solution makes Orange services accessible to more than 20 million current and potential users, significantly simplifying the mobile customer experience.

At MWC, the Max it Easy Talk solution unfolds through an interactive demo. The app is launched on a smartphone, a request is made by voice in a local language, such as checking a balance or transferring money, and a spoken response is delivered in the same language. The demo can be explored hands-on or followed through a guided simulation led by Orange teams.

Now at an advanced demonstrator stage, Max it Easy Talk delivers an optimized user experience with expanded language coverage. The solution addresses key challenges around accessibility, autonomy, and inclusion, particularly for users with limited literacy or those who don't speak French. It enables Orange to accelerate the adoption of digital services while promoting innovation designed to be accessible to everyone.

LiveMemo Agent

Go beyond connectivity to empower field professionals through agentic AI.

LiveMemo generates call summaries, automates actionable tasks, seamlessly integrates with enterprise tools, and helps create business opportunities, all in a secure environment.

Orange is transforming customer interactions with LiveMemo Agent, a solution integrated directly into the mobile network. It automatically turns phone conversations into actions within enterprise business tools, such as CRMs, boosting the productivity of mobile professionals while improving the customer experience.

The key innovation lies in embedding trusted generative AI directly into Orange's mobile network, with no app to install. This native, network-secured approach is combined with agentic AI designed to interact with CRM software. Integration between the telephony system and business tools is handled by Ringover, a partner specializing in next-generation customer experience platforms.

For users such as field professionals and sales teams, a single click on a call summary is enough to automatically update the CRM, removing the need for manual data entry. Delivered within Orange's secure infrastructure, this integration ensures responsiveness and efficient management of customer interactions.

At MWC, LiveMemo Agent unfolds through a concrete end-to-end demo, showing how a phone call is instantly transformed into structured data and automated business actions. Voice interactions can be analyzed in real time, validated with a single click, and securely integrated into enterprise systems through AI embedded in the network.

LiveMemo Agent is the result of a close collaboration between Orange, bringing expertise in telecoms, APIs, and responsible AI, and Ringover, an omnichannel communications platform natively integrated with more than 100 business tools. Together, they turn the mobile network into an intelligent assistant, combining security, responsibility, increased productivity, and a smoother customer experience.

Livebox Store

Go beyond connectivity by transforming a Livebox router into an open and scalable platform.

Acting as a truly smart hub, it supports easy installation of third-party apps in just a few clicks for your connected home, including heating and energy management.

Livebox Store turns the Livebox into a true smart services platform, capable of managing energy, securing the home, and supporting a wide range of connected services. Powered by the prpl operating system, deployed on the latest generations of Livebox, users can now download third-party applications directly from the Livebox Store and tailor their experience to their specific needs.

Building on the success of early trials and the commercial launch of the Livebox7 in Morocco in February 2026, which supports third-party app execution, Orange takes the next step at MWC 2026. In partnership with EDF R&D, Orange presents a new use case focused on intelligent home energy management.

At MWC, the Livebox Store solution unfolds through a concrete demo. A customer equipped with a prpl-compatible Livebox and a Linky smart meter connected over Wi-Fi installs an energy management service in just a few clicks via a dedicated mobile app. The service provides real-time consumption monitoring, personalized alerts when usage thresholds are approached, and automatic control of connected equipment to help prevent power outages. The demo shows how the system can automatically switch off a radiator when subscribed power limits are at risk of being exceeded, avoiding a full meter shutdown and its associated inconvenience.

This use case highlights Orange's ability to deliver an integrated, flexible, and scalable smart energy solution. The approach is made possible by Orange's local APIs, which expose data from connected devices to third-party services and enable remote control. Unlike many market solutions, Orange relies on an open platform capable of orchestrating multiple services and devices. This allows partner solutions to be deployed rapidly, while giving customers full control over their data and ensuring privacy is respected.

With Livebox Store, Orange is opening the door to a new generation of smart home services. And this is just the beginning.

Family Protection

Go beyond connectivity to safeguard families in their digital lives.

This platform combines security tools and guidance on fraud prevention with innovative features such as secure document sharing, remote assistance, and AI analysis of risky content.

As digital fraud increasingly affects the general public, Family Protection addresses broader challenges around collective security, digital education, and shared responsibility within the household. Parents, children, and older family members are all exposed to different types of risk. Family Protection responds with a unified platform that brings together mutual support, security tools, and preventive guidance, helping families learn and act together.

Designed as a secure family space for resolving everyday digital issues, the platform integrates accessible AI and cybersecurity tools. It includes features such as temporary and secure document sharing with automatic watermarking, simplified remote screen sharing to assist a family member in difficulty, analysis of potentially risky content, learning tools to build awareness of digital threats, and secure access to shared passwords and codes within the household. The solution relies on technologies such as large language models for content risk analysis, WebRTC for remote screen sharing, and secure storage to protect sensitive data.

What sets Family Protection apart is its holistic, family-centered approach to cybersecurity and digital education. While most existing solutions focus on individual protection, Family Protection is designed specifically for families. Today, there is no equivalent collective cybersecurity offering built around the needs of the household as a whole.

At MWC, the Family Protection solution unfolds through a step-by-step demo. It showcases each family member's Cyber Status, with security insights and recommended actions, followed by a live example of remote assistance through simplified screen sharing. The demo also highlights the secure vault for storing and sharing sensitive documents, AI-powered content analysis to resolve uncertainty, and the family discussion space designed to support shared decision-making.

Family Protection fits squarely within Orange's strategy focused on digital well-being, fraud prevention, and the protection of every family member. Built as a modular platform with independent features, it combines trust, security, and usability to keep families safer online.

Branded calling

Go beyond connectivity to boost customer trust and reduce call drop-off rates.

Operating at the core of the network, the solution displays the company's verified brand name on screen and uses a triple-layer security unique system to protect against caller ID spoofing.

As smartphone users become increasingly wary of unknown calls, often associated with spam or fraud, they're more likely to ignore them. This growing mistrust lowers answer rates and penalizes legitimate businesses trying to reach customers and prospects. Branded Calling addresses this issue by displaying the verified name of the calling company, allowing users to decide with confidence whether to answer. In doing so, it strengthens trust and security in mobile communications while improving customer relationships in a simple and effective way. Beyond displaying the company name, Branded Calling integrates a unique triple-layer anti-spoofing system designed to ensure maximum security:

- In-depth verification of the company's identity and reputation through a vetting process.
- Authentication of phone numbers using the MAN numbering authentication mechanism, which is mandatory for all operators in France.
- Detection of fraudulent calls using the Orange Phone database.

Together, these layers make Branded Calling a highly effective solution against caller ID spoofing. Another key innovation lies in its direct integration at the core of Orange's 4G and 5G mobile networks. This network-native approach enables large-scale, immediate deployment, without the need for additional applications or complex configuration. At MWC 2026, Branded Calling unfolds through a live demo highlighting the difference between a standard call and a branded call, with the verified company name displayed on the smartphone screen. The demo also showcases the solution's security and anti-spoofing mechanisms and shows how the calling label can be customized for businesses. Branded Calling is currently being rolled out, with deployments already underway in several countries and a launch planned in France in 2026. Developed by Orange in partnership with RealNetworks, which manages the database linking business numbers to verified identities, the solution complies with international telephony standards and is synchronized with Orange's network platform to enable branded call display. This demo addresses a dual challenge:

- Restoring customer trust in calls made by businesses, which has been eroded by the rise of phone spam.
- Improving customer reachability for enterprises, as answer rates have declined sharply in recent years.

Branded Calling fits fully within Orange's strategy by leveraging network intelligence to deliver innovative enterprise services, while helping restore trust in mobile communications.

Thank you

