



Smart & Secure Airport Connectivity

Enabling Seamless Wireless Operations at Airports Worldwide

Airports today are evolving into digital ecosystems—where mission-critical communication, reliable connectivity, and interference-free operations are essential for safety, efficiency, and passenger experience. LS telcom, a global leader in spectrum management and wireless technology, supports airports in mastering this complexity. We ensure flawless performance of every frequency and every signal, from spectrum licensing to private 5G networks and drone-based navigation testing.

LS telcom is a globally recognized leader in spectrum management, critical communications, and RF engineering, serving the aviation industry for over 30 years. Our comprehensive airport portfolio supports national regulators, airport authorities, and air navigation service providers (ANSPs) with cutting-edge tools, services, and systems. We ensure every wireless application—from TETRA and ILS to private 5G and real-time spectrum monitoring—performs optimally, reliably, and compliantly.

With deep expertise, proven technology, and trusted global partnerships, LS telcom helps airports navigate the challenges of connectivity and compliance. From the runway to the terminal, we help ensure your wireless operations are safe, efficient, and future-ready.

Navigating Complexity: Tailored Solutions for Modern Airports

1. Airport Connectivity Challenges

- Increasing demand for mobile (4G/5G), Wi-Fi, Bluetooth, and IoT landside & airside.
- Critical services (TETRA, PMR, ILS, ATC) face spectrum congestion and interference risks.
- Regulatory compliance and RF safety are growing concerns.

2. Our Solutions – From Vision to Operation

▪ Spectrum Services

Licensing, coordination, monitoring, and long-term management.

Tools: mySPECTRA (automated workflows, KPI dashboards), LS OBSERVER (24/7 spectrum surveillance, geolocation).

▪ RF Engineering & Private Wireless Networks

Radio network planning, coverage analysis, and interference studies.

Turnkey private 5G networks for secure airside operations.

▪ Aviation-Specific Technologies

Drone-based ILS/VOR measurement services.

Spectrum audits and interference resolution at airport and national level.

Your Partner in Reliable, Future-Ready Airport Connectivity

At LS telcom, our value goes beyond technology—we bring trusted expertise, global experience, and a customer-first mindset. Our solutions are deployed in some of the world's most complex airport environments, enabling regulatory compliance, operational continuity, and digital transformation. From regional hubs to international gateways, we are the partner of choice for airports, regulators, and air navigation service providers seeking reliability, innovation, and future-readiness.

Our approach is collaborative and tailored: we listen, analyze, and deliver turnkey or modular solutions aligned with your mission-critical needs. Whether solving persistent interference issues, deploying a private 5G campus network, or advising on long-term spectrum policy, LS telcom delivers measurable impact, backed by over 30 years of industry leadership.



Why LS telcom?

- 30+ years in global wireless communications
- Independent, vendor-neutral engineering expertise
- Certified to ISO 9001, ISO 14001 and ISO 27001



Global Experience

- Schiphol Airport Amsterdam – provision of full spectrum management services based on multi-year agreement
- Mexican Air Navigation Service Provider (SENEAM) – deployment of largest fleet of NavAidDrone solutions for Air Navigation System Verification
- North America – implementation of portable monitoring units at airports to assure interference-free operations in dynamic environments



Technology & Innovations

- mySPECTRA – centralized and automated spectrum management
- LS OBSERVER – real-time spectrum monitoring and geolocation
- NavAidDrone – Drone-based ILS and VOR inspection

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