



Drone Detection and Warning Systems

Drone alert and detection

Unauthorised or hostile drones can pose a threat to aviation security, critical infrastructure and military areas. Our LS OBSERVER system detects radio signals from drones and remote controls, analyses them in real time and automatically triggers alarm messages. This allows you to maintain control over your airspace environment at all times.

Our system components

- **AMU – Airborne Monitoring Unit**
Drone-based measurement platform for increased range and line of sight
- **FMU – Fixed Monitoring Unit**
Stationary sensor for permanent monitoring of sensitive zones
- **PPU – Protected Portable Unit**
Mobile unit for temporary or tactical deployments

All units can be combined and integrated into existing monitoring networks.



Airborne Monitoring Unit



Fixed Monitoring Unit



Protected Portable Unit

Technology that builds trust

Broadband spectrum monitoring

Detection of drone-related signals (20 MHz – 6 GHz, optionally up to 14 GHz)

Automatic analysis & alerting

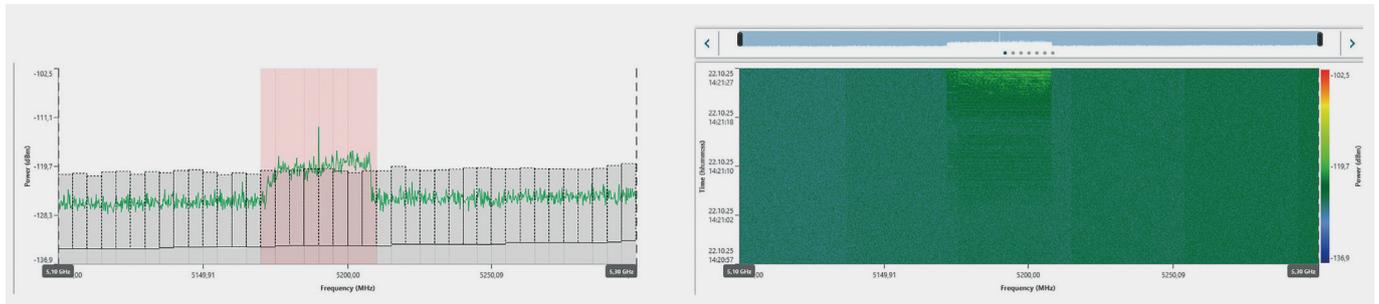
Intelligent signal evaluation, anomaly detection and real-time notification via the LS OBSERVER Central Monitoring Software (CMS) by e-mail or external alarm system

Precise location & tracking

Direction finding (DF), TDOA positioning and homing methods enable the localisation of drones and controls

Flexible deployment options

Stationary installations, temporary measurement networks or airborne missions, flexible individual systems or combined deployments possible



Drone Warning System

Why LS telcom?

- Decades of experience in frequency monitoring and spectrum management
- Networked sensor architecture with central data analysis and history
- Real-time detection and alerting for immediate responsiveness
- Integration of additional sensor types (radar, video, acoustic) via open interfaces
- Development, integration, and support from a single source

Typical areas of application

- Airports and airspace security
- Military and government protected sites
- Energy, industrial, and port facilities
- Public gatherings and major events

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