

SPINNER Cable Monitoring System



Ensuring Public Safety Communications



HIGH FREQUENCY PERFORMANCE WORLDWIDE
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The **SPINNER Cable Monitoring System (CMS)** is an advanced real-time monitoring solution designed to continuously supervise coaxial and radiating cables over distances up to 2 km. It accurately detects and pinpoints cable faults such as short circuits, breaks, or attenuation changes, providing instant alerts via **SNMP** to higher-level monitoring systems.

Featuring integrated VNA technology, the SPINNER CMS measures VSWR values and fault locations with ± 1.5 m precision. Its intuitive web interface offers graphical visualization, live system status, and detailed fault diagnostics. Multiple CMS units can be networked via TCP/IP, enabling scalable monitoring solutions for tunnels, airports, and large facilities.

By identifying issues immediately, the system drastically reduces downtime—from several days to just a few hours—enhancing operational reliability and availability. The base version, supports a wide frequency range from TETRA and GSM-R up to 5G.



Detect. Locate. Resolve. Instantly.

With the SPINNER Cable Monitoring System, you ensure reliable, precise, and fully automated monitoring of critical infrastructures and high-demand communication environments. The system combines advanced measurement technology with maximum operational safety, delivering superior availability and efficiency.



Real-time fault detection



± 1.5 m precision



Automatic SNMP alerts



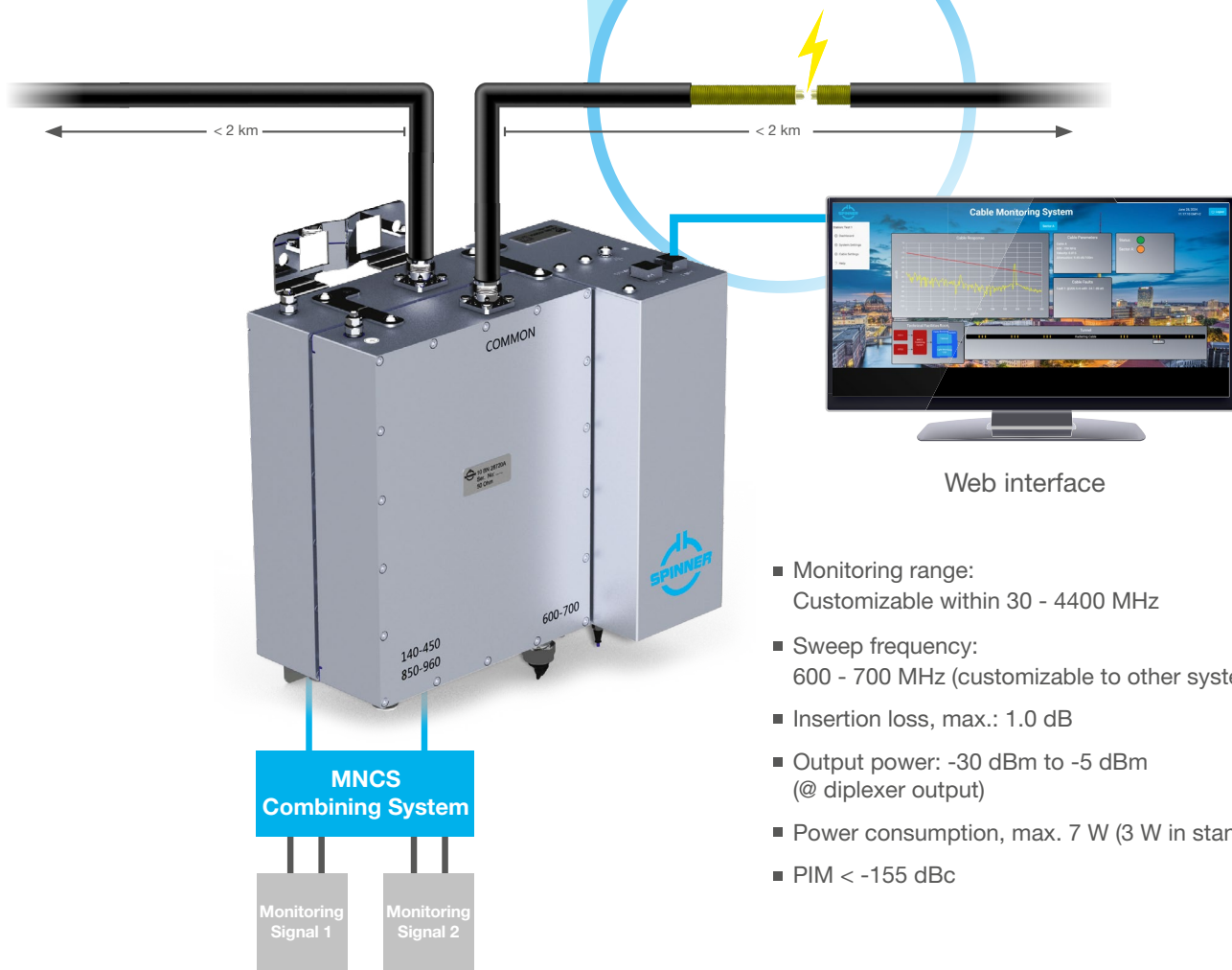
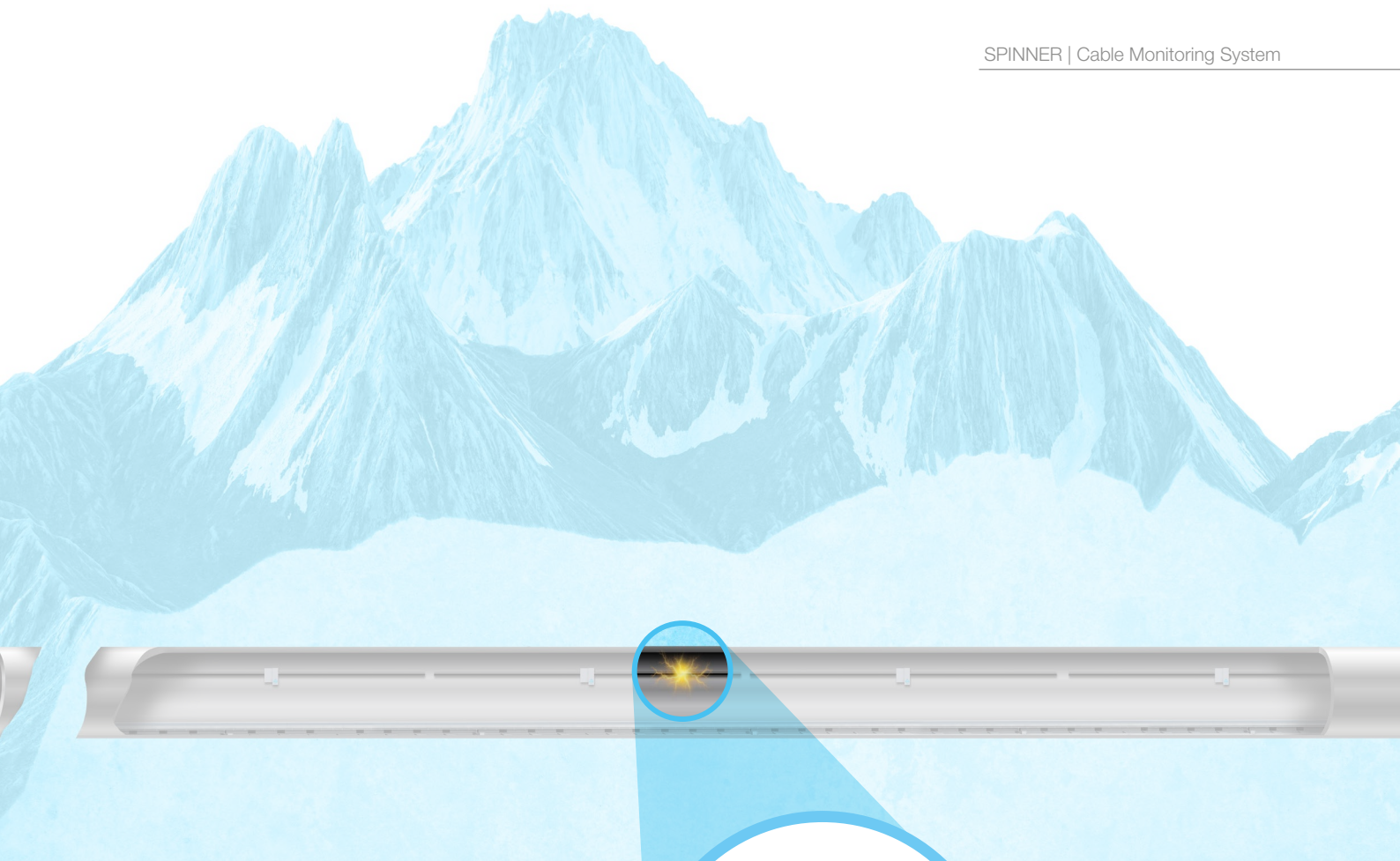
Significantly reduced downtime



Web interface

SPINNER CMS – Your Benefits at a Glance

- ✓ Real-time monitoring of coaxial and radiating cables up to 2 km
- ✓ Precise fault localization with ± 1.5 m accuracy
- ✓ Immediate detection of short circuits and cable interruptions
- ✓ Supports multiple frequency bands (PMR, TETRA, GSM, GSM-R, 4G, 5G)
- ✓ Automatic SNMP alerts with detailed fault information
- ✓ Minimal downtime – repairs completed within hours instead of days
- ✓ Web interface with visualized cable routes and live status display





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SPINNER designs and builds cutting-edge radio frequency systems, setting performance and longevity standards for others to follow. The company's track record of innovation dates back to 1946, and many of today's mainstream products are rooted in SPINNER inventions.

Industry leaders continue to count on SPINNER's engineering excellence to drive down their costs of service and ownership with premium-quality, off-the-shelf products and custom solutions. Headquartered in Munich, Germany, the global frontrunner in RF components remains the first choice in simple-yet-smart RF solutions.

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