

SPINNER

Antenna Monitoring System



Engineered to defy the elements
and protect your infrastructure

HIGH FREQUENCY PERFORMANCE WORLDWIDE
www.spinner-group.com



Broadcast network operators around the world rely on their systems to deliver content to subscribers. Some of this infrastructure is exposed to the elements. Cables' outer insulation may become brittle as age and UV rays take their toll. Heavy winds can strain cables, and if they chafe against other parts, in time they will fray. Antenna insulators crack, terminals corrode, wiring harnesses fail. Water penetrating the shielding can cause short circuits, and in the worst case, fires that not only disable the broadcast system, but can also wreak havoc on the surrounding infrastructure.

BE SAFE, NOT SORRY

Damage and downtime are not operators' only concerns. They also need protection against financial losses and the claims of content providers seeking restitution for outages. The problem is further exacerbated when sites are shared and competitors are connected to your infrastructure. In the event of an outage, what a tremendous asset it would be to have a safeguard in place that proves your infrastructure is up, running and therefore cannot be the root cause.

That sums up the long of it. The short of it is this: Operators need a reliable early detection system that pinpoints problems with cables, splitters and antennas without adversely affecting signal quality; a solution designed for rapid deployment to minimize air time disruption and installation costs.

The SPINNER Antenna Monitoring System (AMS) does all this and more. Engineered to detect flaws in broadcast transmission infrastructure and alert you to the problem before the damage is done, it helps keep your mission-critical systems broadcasting reliably and signals on the air.

SIMPLE, YET SMART

An ingeniously simple design, the SPINNER AMS consists of a U-link connected to an SNMP-enabled control unit. Our solution uses insulation measurement and ARC detection techniques to monitor the entire infrastructure from the patch panel to the air interface. Newly developed, these measurement mechanisms respond reliably to the earliest signs of moisture penetration so you can perform maintenance when it is necessary rather than when rigid maintenance cycles dictate. And wouldn't you rather see your maintenance budget go to necessary repairs rather than unnecessary checks – and then see your costs come down accordingly?

Installation is an exercise in convenience: Simply remove the old U-link from the patch panel, insert the new AMS U-link, and connect it to the surveillance system. It only takes about a minute to actuate, and there is no need to reconfigure patch panels, phased feeder lines or antenna systems. No other system rolls out as quickly and easily as the SPINNER AMS.

On top of that, our AMS installs indoors at just a single junction so there is no need for any invasive changes to the antenna system. To integrate other options into your legacy infrastructure, you would need more connections, and every additional connector is another potential port of entry for moisture. The change in configuration may even affect your antenna pattern.



WHY SPINNER?

The SPINNER AMS' biggest selling point is its remarkable reliability, but other benefits are no less persuasive: For one, it does not distort signals. For another, it is easily rolled out at a central location. Then there are SPINNER's engineering credentials to consider. We are the only manufacturer to have developed a reliable measuring method for insulation and ARC fault detection for broadcast systems. More reliable performance plus faster installation at lower costs? You can't argue with a winning equation.

"The SPINNER solution is unrivalled. It is easily and quickly mounted at a central location, with significant savings on installation costs," says Dr. Christoph Look, Director Production Line Transmitter at MEDIA BROADCAST GmbH.

"The technology is persuasive across the board. In tests with other solutions, it was the first to detect error sources, relaying them quickly and reliably to our network operations center."



WORKS WITH EVERY LEGACY BROADCAST SYSTEM

ULTRA-FAST INSTALLATION
minimal signal downtime

HIGHLY RELIABLE
for insulation & ARC detection

CUTS COSTS
with rapid deployment
at a central hub

ZERO IMPACT
ON THE SIGNAL

U-LINK BASED
MEASUREMENT

COMPACT SOLUTION
1 rack unit

MITIGATES RISK
with no new components
between patch panel and air

SNMP
enabled control unit

INDOOR UNIT,
no outdoor wear & tear

PATENTED



HIGH FREQUENCY PERFORMANCE WORLDWIDE

SPINNER designs and builds cutting-edge radio frequency components, 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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