

Kathrein Smart Monitoring



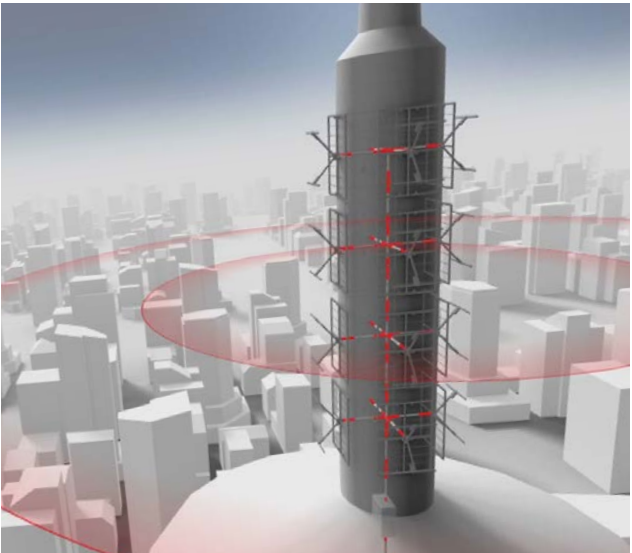
BROADCAST

Real-time and Convenient
Online Antenna Monitoring

KATHREIN

Why antenna monitoring?

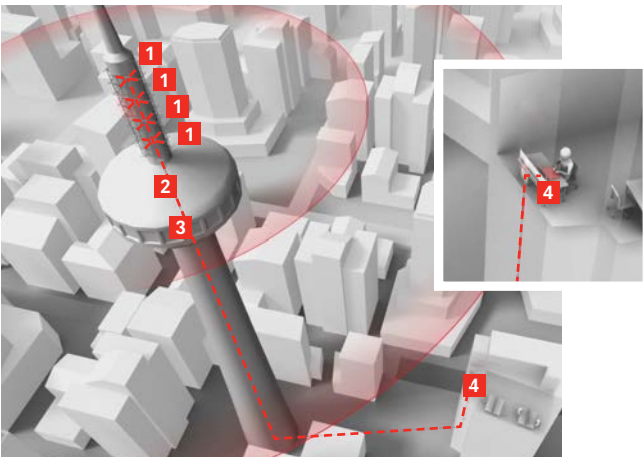
- Ensure antennas and components deliver best performance at all times
- Detect malfunctions directly in the tower
- Schedule proactive maintenance
- Optimise costs for regular monitoring



Please ask your Kathrein contact for further information about the product, trials or installation details.

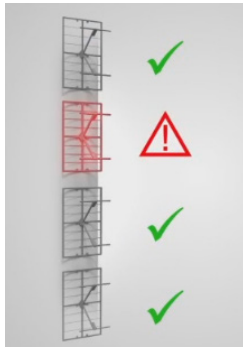
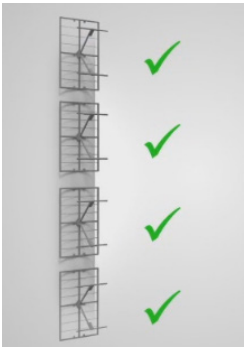
Kathrein Smart Monitoring is an innovative monitoring system for radio and TV transmitter stations. Using special sensors, the system which Kathrein is developing together with the Swiss company "DAC System SA" measures all important operating parameters of the transmitter station components in real time and compares them with the target values of the controlled operation. All deviations are fully recorded and can be an early indication of possible faults. The station operator can easily access the measurement results over a network at any time. Critical changes in conditions and violations of threshold values release an alarm which is reported via app, text message or email.

The system leads to a significant decrease in the time and costs normally required for the maintenance, as routine checks on transmitter stations can be avoided or reduced. The Kathrein Smart Monitoring system can be integrated into new antenna systems as well as be retrofitted in an existing system.



Real-time precision

- Real-time detection of performance degradation
- Immediate failure detection and exact localisation
- Knowledge about the distribution/radiation of the transmission power

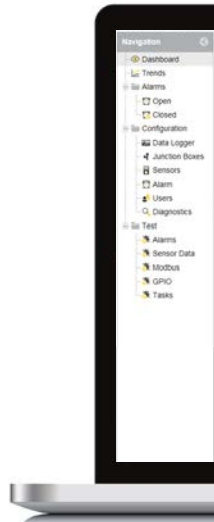


Components

- 1 Sensors
- 2 Junction box
- 3 Data logger
- 4 Analytics software



Find out more about
Kathrein Smart Monitoring
in our video.



Convenient online monitoring

- Web-based application
- Push messages
- Configuration of alarm thresholds
- Interface to overall provider management system (SNMP)

Powerful cockpit

- Power and return loss trend curves for preventive maintenance
- Analysis of antenna performance in relation to weather conditions
- Proof of service levels



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