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E L E C T R O N I C S

SMS
Sensor Monitoring System

The Sensor Monitoring System (SMS) is a scalable surveillance monitoring system that provides real-time analysis on multiple surveillance sensors. Under-performing sensors are sometimes hard to identify because data from various sensors is fused in complex ATM systems. SMS monitors individual performance of every connected sensor.

SMS

BENEFITS

Early notification of sensor degradation assures a **Quality of Service (QoS)** on the track output to the controller work positions.

SMS improves **safety** through the early warning of sensor degradation.

Monitoring performance trends are reliable indicators for **efficient maintenance** scheduling.

SMS is the most **cost-effective** solution to monitor that all sensors remain operationally compliant against the ICAO and EUROCONTROL mandated standards.

Deep **system intelligence** thanks to automated charts and advanced detailed analysis

Sensor Monitoring Systems are deployed in some of the busiest ATM systems in the world, supporting ANSP's with real-time sensor monitoring data.

CAPABILITIES

SMS has the capability to monitor PSR/SSR/ Mode-S radars, ADS-B stations, MLAT systems, A-SMGCS data, ASDE-X data or system track data (for example ARTAS multi radar tracker). It covers all common data protocols.

Monitor sensor performance in **real-time.**

User-friendly Sensor Alert Monitoring Panel for **online analysis.**

Audible **alarms** and email or text message **notifications** if KPI's drop below predetermined threshold values.

In-depth capability to perform **offline analysis and reporting** on any of the recorded sensor data.

Monitoring and Technical Displays provide a clear and concise visual depiction of all the available sensors and the key **sensor statistics**.

SMS is a highly modular system that allows to easily integrate new sensors. It accepts sensor data via Local Area Network (LAN), fiber optic channels or serial line interface. Suitable protection services (firewall) protect LAN based systems.

The Intersoft Electronics Group provides state-of-the-art technology for radar system integration and service life extension. It also houses high-tech manufacturing facilities and a growing Services organisation for CNS systems.
With a pedigree of 40 years in development, manufacturing and field services,
Intersoft Electronics Group has become a reference in radar technology and CNS services worldwide.

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