

SDDS-NG

Mastering surveillance information

SDDS-NG is the leading next-generation solution for seamless surveillance data distribution, tailored to Air Traffic Management (ATM) needs. Deployed internationally in operational ATM environments, SDDS-NG ensures stable, secure, and reliable real-time data sharing. With capabilities such as data conversion, filtering, and distribution, it supports national and international data exchange, enabling efficient network management and seamless integration of legacy and modern systems without disruptions.

Key features

Centralised surveillance management

Provides a central access point for data control, enabling comprehensive monitoring and efficient network management.

Seamless data conversion

SDDS-NG converts data between ASTERIX formats, legacy systems, and modern surveillance protocols, ensuring compatibility across all infrastructure.

Advanced filtering capabilities

Configurable filters by geography, aircraft ID, and flight level allow precise data distribution tailored to each internal and external user's needs.

Scalability and flexibility

Easily scales from compact single-node setups to expansive multi-node configurations, adapting to all surveillance network sizes.

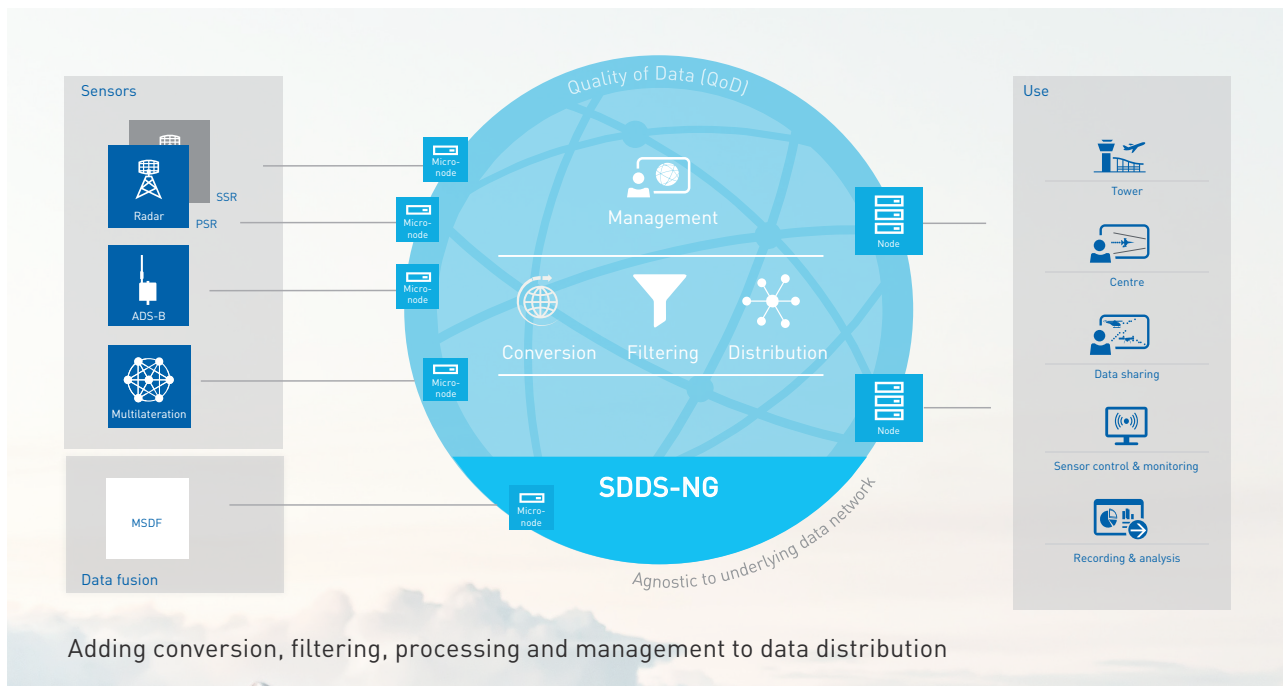
Data reliability

Utilises a multi-layered architecture with mechanisms designed to ensure data integrity and accuracy.



SDDS-NG at a glance

- Reliable data availability across national and international ATM operations
- Supports both legacy and modern surveillance systems for seamless integration
- Compliant standard ASTERIX output
- Acts as a gateway ensuring correctness and integrity of ASTERIX data
- Real-time data distribution with centralised monitoring and control
- Enhanced situational awareness with unified, non-redundant ADS-B feeds
- Global adoption with installations at over 35 civil sites worldwide



Benefits

Improved situational awareness

SDDS-NG integrates data from various sources into a cohesive surveillance picture, empowering controllers with better situational awareness for safer airspace management.

Reduced operational costs

By centralising data distribution and supporting legacy systems, SDDS-NG minimises costly upgrades, optimising resources and reducing overall maintenance costs.

Flexible scalability

Scalable from compact to large national or multi-national network solutions.

Virtualised deployments

The system can run in virtualised environments, offering enhanced scalability, flexibility, and cost-efficiency, while allowing seamless integration and optimised resource utilisation across diverse IT infrastructures.

Safety and security

With layered access controls SDDS-NG protects sensitive surveillance data and adapts to individual security needs, compliant with ED-153 SWAL3.

Facts & figures

Installed sites	35+ globally
Supported data formats	ASTERIX (various categories), CD2, Aircat, Eurocontrol
Network protocols	LAN (UDP, TCP), serial protocols (HDLC)
Scalability	Single-node to multi-node in local or wide-area redundant network configurations
Integrated ADS-B	Generates unified, non-redundant air situation picture
Central Management	Centralised control and monitoring including security logging, and access management

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