



Transportable MSSR Station

Mobile solution
for MSSR with mode S
and enhanced capabilities

Indra's Transportable MSSR mode S represents the best solution for all kind of situations that may require the rapid installation of a surveillance radar.

It offers a highly reliable solution with enough capabilities to work in adverse conditions, offering the best performance and the highest capabilities. Integrating power generation elements and communication systems, this platform represents a fully autonomous radar station able to be deployed and become operational providing data in just a few hours.

Based on the latest generation of secondary surveillance radar systems and our experience gained from working with air traffic service providers from all over the world, the system provides the highest capabilities in terms of safety and surveillance performance.



Indra proudly presents its transportable MSSR solution for Air Traffic Surveillance

Housed in two standard 20-foot ISO containers the system can be transported to its final location without requiring the use of a crane for its deployment; the antenna reaches a height of 12 meters, which ensures the system provides a proper coverage of the air space.



Transportable MSSR system represents a fast deployed and autonomous solution

The system provides power generation capacities to be fully autonomous and self-deployable maximising operational performance and flexibility. Reliable high-quality human machine interface provides the operator easy access to configuration parameters and notifications from local or remote sites.



Specifically designed for Back-Up purposes or long and continuous periods of time

The transportable MSSR system is specifically designed to operate with similar functionalities to a fixed radar system and does not require additional maintenance or specific civil works.

Fully operational from scratch

- Civil works are not required. Site requirements are almost inexistent. The architecture of the system allows its fast transportation, deployment and operation on uneven surfaces.
- The unit integrates all elements required for its autonomous operation (diesel generator, UPS, communications, lightning protection system, fully equipped electronics shelter with air conditioning, deployable tower, redundant drive unit...).
- Autonomous deployment, not needing crane or other auxiliary machinery.
- Fully unmanned when deployed, not requiring human presence as it can be fully controlled and monitored from a remote location.
- Its strong design allows the unit to face the hardest environmental conditions.

Ideal features for surveillance

- Performance ensuring the safe separation of 3 and 5 NM, according to EUROCONTROL specs.
- Fully redundant system (electronics, UPS, antenna drive unit, CMS...).
- Friendly web-based user interface for both local and remote control.
- High coverage volume due to range reached and small cone of silence.
- Compliant with international standards (EUROCONTROL/ICAO/FAA).
- Intelligent BITE with remote control and performance supervision.

Fully controlled and monitored from both local and remote position. Compliant with ICAO and Eurocontrol specifications.

This offers a quantum leap in safety and efficiency for the provision and continuity of surveillance using the most advanced technology.

Indra is positioned as the market's leading supplier of (ATM-CNS) systems. With a comprehensive portfolio of products in the cooperative and non cooperative surveillance domain we cover all the stages of the flight. We are one of the leading companies in SESAR and the key technology supplier of the Single European Sky initiative

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