r-TWR Deployable

Ready to deploy

The r-TWR Deployable, part of Saab's r-TWR family, allows the operator to conduct ATC services remotely or on-site. The system is self-contained, can operate autonomously, and can feature equipment such as Tacticall VCS, Navaids, MET, AGL, surveillance and ATC automation.

It is designed for military and disaster relief operations as well as a home base contingency in the case of significant equipment failure. It utilises all features offered to civil customers, with added functions tailored to meet military requirements and is based on our state of the art camera/sensor technology used in both our civil and military solutions.

This rapidly deployable solution uses standardized containers in order to simplify logistics.

Meeting military requirements
The r-TWR Deployable is able to integrate with external military systems and functions used in everyday military operations and includes a robust cyber security protection.

Rapid deployment
Inherently and easily transportable with a reduced airlift footprint – the full system can be transported on a train, trailer or truck and can be operational in 30 to 60 minutes.

Safe operations
It includes a camera array integrated with an erectable hydraulic mast and compact Digital Tower Module installed in a transportable shelter – ballistic protection can be added if required. Data can be sent to a protected shelter on the airfield or to a remote location away from the hostile/emergency areas.

Versatile, safe and flexible base operation

Status: In production with first deliveries 2024

Proven and compatible: Built on our proven military and civil solutions in use

Training: Training software and simulator is integrated in the solution

Selection of optional add-ons to meet your specific needs

- **Giraffe 1X:** Small, lightweight, and high-performing 3D radar. Fully integrational with UAS and bird detection.

- **Signature Management:** Barracuda advanced camouflage systems. Net- and operator systems for multispectral signature management and heat transfer reduction.

- **Protection:** Ballistic, CBRNe and TEMPEST protection

- **Sirius compact:** Passive surveillance enhancing situational awareness through silent detection, classification and prioritisation of radar and datalink emissions

- **Integrated Voice Communication System:** Fully IP-based system that equips air traffic controllers with a robust and user-friendly communication interface for both remote tower operations and Area Control Centres

- **ATC Automation suite:** Modular and scalable platform that provides air traffic controllers a comprehensive set of tools to safely and efficiently manage air traffic

- **Additional container suite:** Supporting sustainable operations

- **Highly flexible operational service:** For rapid deployment, ATC service can initially be provided from a workstation inside the mast container once the mast is raised. For longer-term operations, you can move to the more office-like Remote Tower Center container.

Technical operations

- 25m (80+ ft) erectable mast – including stabilisation systems

- Saab r-TWR 360 degrees camera sensors

- Dual PTZ's and a Signal Light Gun (SLG)

- Expandable Operations container for multiple working positions

- Saab field proven r-TWR 3rd generation SW – compatible with our stationary models

- Dual ISO 20ft container for land, sea and air mobility (C-130 sized A/C)

- Built in generator and UPS capability

- Dedicated erectable radio mast

- Prepared for NATO operations

Your anywhere airbase

The r-TWR Deployable is your contingency airport or airbase, offering availability when and where you need it the most.

Contacts

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