



SAAB

AREXIS

ELECTRONIC WARFARE FAMILY



Arexis EA Jammer Pod

Arexis is Saab's new Radar Warning Receiver (RWR), Intelligence, Surveillance and Reconnaissance (ISR) and Electronic Countermeasure (ECM) product concept supporting fighter aircraft requirements.

THIS IS AREXIS

Arexis provides the aircrew with essential situational awareness for self-protection due to its RWR, and tactical support via its ISR capabilities. The situational awareness provided enhances the survivability of the platform together with the aid of the appropriate ECM.

Arexis also includes an advanced Electronic Attack (EA) application, with EW technologies adapted to the lower frequency ranges that are required to jam modern anti-stealth air defence systems. The EA application provides high output power and is packed in a pod to make it a role-specific solution.

Arexis is based on wideband RF technology specifically developed for robustness in the very complex signal environment of today. The core technologies in Arexis are ultra-wideband digital receivers and digital radio frequency memory devices, gallium nitride (GaN) solid state active electronically scanned array (AESA) jammer transmitters and interferometric direction finding systems.

Arexis products are adapted to fighter aircraft installation and environmental requirements. The architecture supports multi-function integration with other fighter aircraft sensors and countermeasures. One version of Arexis will be installed on board the new version of the Gripen fighter, Gripen E/F.

KEY FEATURES

360° platform protection – Situational awareness combined with jamming and expendables

Electronic Attack – Support and escort jamming against modern anti-stealth radars

EW independence – Fully programmable system and support tools creates sovereign capability

Handles complex signal environment – State of the art ultra-wideband digital receivers and DRFMs

GaN-based AESA – Very high output power combined with good efficiency and redundancy

Proven – Architecture proven in Gripen, Tornado and Saab's airborne early warning & control platforms

Adaptable – Can be fitted to all fighters and is easy to integrate due to a highly modular design



Arexis on board integration

Specifications subject to change without notice