



Arthur D

From threat to target

When every second counts, the combat proven Arthur D Weapon Locating System will place time on your side and provide effective counter battery capabilities to secure your freedom of manoeuvre and give you time to act and the power to turn threats into targets.

Technical data

Sensor technology	Light weight digital solid state
Frequency	C (G/H)-band
Search sector	120 degrees
Instrumented range	100 km
Power consumption	< 15 kW
Accuracy (CEP)	< 0,15% of distance



Key operational advantages

- Single vehicle integration providing high mobility
- High survivability in high-intensity conflicts
- 100 km range locating 300 mm MLRS
- Very high locating accuracy
- Advanced ECCM capability
- Future upgradeable design
- Possible to integrate with any fire control system

Next generation weapon locating radar



High survivability

Arthur D will be a high value, high payoff target. To survive, the radar has to move within the decision circle of the enemy. Typical time limit will be situational (5–10 min). Very high mobility, including short emplacement, is a basic requirement to create survivability in peer-on-peer combat.

Integrated in an Armoured Personell Carrier, the system will have both similar protection and mobility as the supported manoeuvre units. Arthur D has a very low infrared (IR) and electronic warfare signature, due to the effectiveness of the Light Weight Digital Solid-State technology. Multi-Spectral camouflage will further improve survivability.

Securing capability for the future

Continuous feedback from tactical operations and software-defined radar technology enables Saab to rapidly deploy new capabilities to the front line, countering emerging threats and ensuring long-term operational resilience.

With over 35 years of operational service, Arthur systems are used in 14 countries and deliver a proven 98.5% long-term mission availability, making it a trusted and reliable WLR solution.

Counter Fire Operation

The Arthur D fire-control mode is used to adjust the points of impact of own artillery fire. The function can be selected manually or automatically by an incoming data message from the Fire Control System. Arthur D tracks and calculates the mean value of own points of impact and automatically sends a message back containing precise correction data for fire adjustment.

Arthur D can also be used as a sense & warn sensor, warning for incoming artillery fire to specific zones. The function has been extensively used in Afghanistan and Iraq.