



SAAB



ARTHUR MOD D

From threat to target

Next generation Weapon Locating Radar

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

ARTHUR Mod D with its new light weight digital solid state antenna technology, provides a whole new capability on the manoeuvre battlefield.

Developed to be integrated into any type of Armoured Personal Carrier or small ISO-container, it will be able to be deployed together with a combined battle group, close enough to the enemy artillery, to be able to locate the low-flying trajectories of enemy close support firings and pin-point the firing batteries.

At the same time being able to locate distant units of multiple launched rocket systems firing into targets in the rear areas.

Key operational advantages:

- **Single vehicle integration providing high mobility**
- **100 km range locating 300mm MLRS**
- **Very high locating accuracy**
- **Advanced ECCM capability**
- **TBM detection capability**
- **Future upgradeable design**
- **Possible to upgrade the ARTHUR Mod C to Mod D**



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Short reaction time

ARTHUR continuously search the horizon and immediately tracks projectiles early in the trajectory. Gun, mortar or rocket projectiles are automatically classified and correctly associated to batteries.

Within seconds, ARTHUR will send an automatic call for fire message to your Fire Control System, effectively minimizing your reaction time.

Fire Control function

The ARTHUR 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 tracks and calculates mean value of own points of impact and automatically sends a message back containing precise correction data for fire adjustment.

ARTHUR 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.



High survivability

ARTHUR 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 (5-10min). Very high mobility, including short emplacement, is a basic requirement to create survivability in peer-on-peer combat.

Integrated in an Armoured Personal Carrier, the system will have both similar protection and mobility as the supported manoeuvre units.

ARTHUR has a very low infrared (IR) and electronic warfare signatures, due to the effectiveness of the Light Weight Digital Solid State technology. Multi-Spectral camouflage will further improve survivability.

Technical data

Sensor technology	Light weight digital solid state
Frequency	C (G/H)-band
Search sector	120 degrees
Instrumented range	100 km
Accuracy (CEP)	< 0,15% of distance
Weight in 12 ft container	< 4 000 kg