

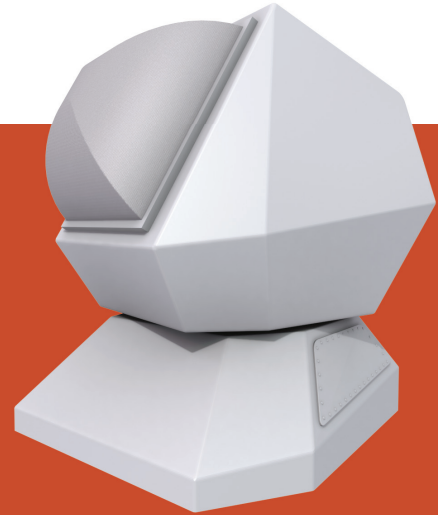
PHAROS is the Multi Target Tracking Radar for gun and missile control. Its electronic beam steering capability enables Multiple Target Tracking and integrated Guided Ammunition control. PHAROS controls any medium caliber type Gun, ranging from 30mm to 76mm. In combination with Guided Ammunition PHAROS provides an excellent and highly cost effective Anti-Ship Missile Defense capability. PHAROS also provides defense against small, fast moving and maneuvering surface targets

MULTI TARGET TRACKING RADAR

- Ship Self Defence against sub- and supersonic sea skimming Anti-Ship Missiles
- Multi Target Tracking of small Surface Targets in Littoral Environment
- Integrated Target Tracking and Guided Ammunition control

PHAROS

Multi Target Tracking with Guided Ammunition Control





PHAROS

Multi Target Tracking with Guided Ammunition Control

Ship Self Defence against sub- and supersonic sea skimming Anti-Ship Missiles

The Pharos Multi Target Tracking Radar in combination with 76mm Guided Ammunition provides an excellent Anti-ship Missile defence capability. Control or structure kills of both sub and supersonic missiles can be achieved at keep out ranges of typically 4 km.

Multi Target Tracking of small Surface Targets in Littoral Environment

Due to the applied Reflect Array technology with its electronic beam steering, PHAROS Multi Target Tracking Radar provides defense against small, fast moving and maneuvering surface targets, to be encountered during littoral missions.

Integrated Target Tracking and Guided Ammunition control

Integration of the tracking and ammunition guidance function eliminates alignment errors, thus significantly increasing the overall system performance. Pharos is capable of simultaneously tracking up to 3 targets and additionally control the engagement of one of these targets with guided ammunition.

Main features

- Fast and reliable target acquisition. The electronically adaptable radar beamwidth ensures rapid, successful automatic target engagement on any 2D or 3D designation.
- Excellent performance against coordinated simultaneous attacks due to Multiple Target Tracking.
- Simultaneous control of Conventional and Guided Ammunition.
- Radar Surveillance capability for improved situational awareness and early threat detection.
- Small target detection in a strong cluttered environment
- Low productions costs due to the highly automated production process.
- Easy maintenance through Built-in Tests and repair by replacement



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Operational Performance	
Air targets	36 km instrumented
Instantaneous scan angle azimuth/elevation	140°/140°

Installation data	
Weight above deck	950 KG
Height / Width	1850/1400 mm
Depth / Weight	1650/950 mm
Power requirements	115V-60Hz-3ph-3.0KVA

Technical Characteristics	
Instantaneous scan angle	140° for both elevation and azimuth
Azimuth coverage	360°
Frequency band	Ka band
Beamwidth	electronically adaptable, min 0.8°
Average power	100 W
Transmitter type	TWT