

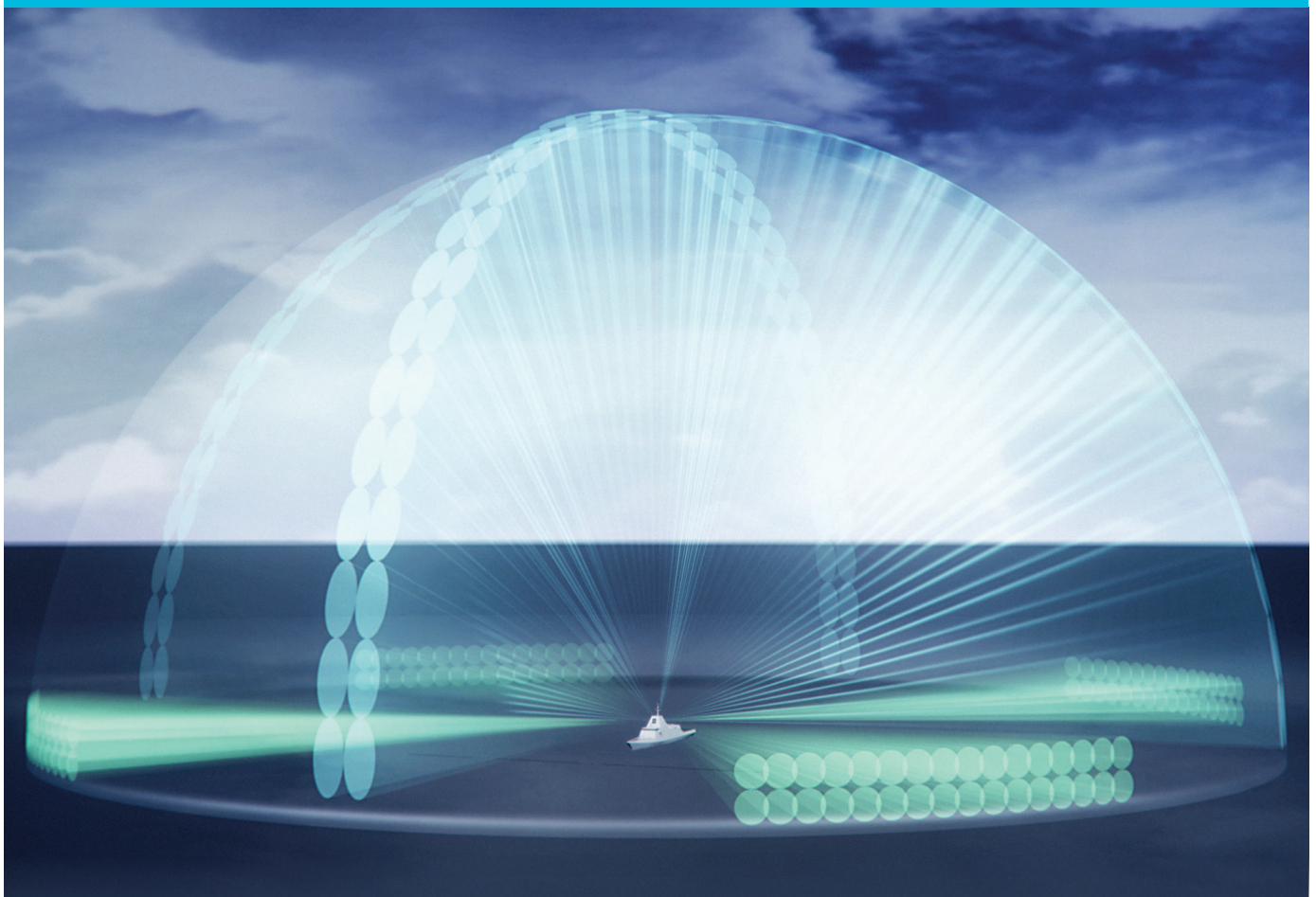
SEA FIRE: NEW FULL DIGITAL AESA MULTIFUNCTION RADAR FAMILY

- A family of naval radars scalable and suitable from light frigates up to destroyers
- 4 panel active arrays with GaN solid state T/R modules in a modular architecture
- Fully digital antenna arrays for 100% flexibility implementing true multimission capability against the most threatening air and surface targets, from self defence to extended air defence
- A modern architecture designed for redundancy, graceful degradation and easy access for maintenance
- Intelligent radar management

DEFENCE

SEA FIRE

- **Simultaneous long range 3D surveillance, horizon search, surface surveillance, and fire control for current and future active radar homing surface to air missile family in their whole performance envelope**
- **Increased performance in littoral environment, and against future UAVs and highly maneuvering targets**
- **ATBM capabilities : autonomous search, high accuracy tracking and fire control**
- **Confer to moderate size frigates the highest performances of destroyers dedicated to extended air defence**





SEA FIRE

Full digital AESA multifunction radar

MULTIMISSION

SF is a true Multi Mission Radar delivering superior performance for all missions simultaneously, through dynamic radar resources management with very short response time.

- Air surveillance and defence: from self defence to large area air defence
- Surface surveillance and defence
- Ballistic missile surveillance and defence
- ASTER Missile fire control
- Surface gun fire support
- C-RAM
- Fully digital and software controlled processing: all missions performed by dedicated software applications.

SCALABLE RADAR

Thanks to its modular architecture, Sea Fire can be installed on light frigates or up to destroyers. The advanced surveillance and fire control capabilities of the compact Sea Fire will endow each ship with a performance and fire power of a ship a few thousand tons heavier. It transforms a multipurpose frigate into an AAW frigate or even a multipurpose destroyer.

OPERATIONAL AVAILABILITY

The modern architecture of the Sea Fire family is intrinsically designed for redundancy and graceful degradation ensuring continuity of the mission, even on extended patrols far away from its home base. Maintenance is performed during the mission at sea in the protected environment of the mast and with a very limited number of LRUs and standard tools.

KEY FEATURES

- Air surveillance coverage: Up to 500 km +
- Surface surveillance coverage: 80 km +
- Coverage: 360° in azimuth, 90° in elevation
- Tracking capacity: > 800 air and surface targets
- Track update automatically adapted to target characteristics and free of any antenna constraints.
- Enhanced surveillance capability on all targets: slow moving & very low RCS, or supersonic highly maneuvering stealth targets
- Supports ASTER 15, ASTER 30 and ASTER 30 B1 NT in their whole performance envelope with fire control and autonomous surveillance coverage: No cueing required.
- Growth potential through software releases to add new missions to handle new threats and new features such as enhanced ECCM and NCTR.

SCALABLE, OUTSTANDING PERFORMANCES AND AVAILABILITY

