

The future of integrated naval sensors has arrived:

THALES I-MAST 100

The Problem:

Antennas of all sizes and shapes are distributed over a ship's superstructure: inevitably the outcome of traditional topside design for surface warships. The result? Antennas blocking each other's view, competing for the top position, introducing EMI challenges and complex maintainability, especially during adverse weather conditions. Ultimately, the result is degraded operational performance.

Introducing I-Mast 100:

To solve these problems Thales introduces I-Mast 100. A member of the I-Mast family of integrated mast modules, I-Mast 100 is aimed at smaller littoral combatants, OPVs, and all other naval platforms that require the extensive set of capabilities and flexibility I-Mast 100 delivers. I-Mast 100 is a follow-on development of the I-Mast 400 that is currently under construction for the Royal Netherlands Navy's Patrol Ship program.

The main advantages of I-mast 100:

I-Mast 100 will deliver superior operational performance, with a set of integrated sensors that is tuned to each Navy's requirements.

I-Mast 100 will enable innovative maintenance concepts and support crew reduction initiatives, which leads to a reduction in through life support costs. Non-rotational sensors, all based on solid-state techniques will further reduce costs and deliver the obvious operational benefits.

As it is built in parallel with the construction of the hull, the risk of a total ship program can be reduced. Thales will deliver a turn-key I-Mast 100 system to the shipyard.

www.thalesgroup.com/integratedmast

