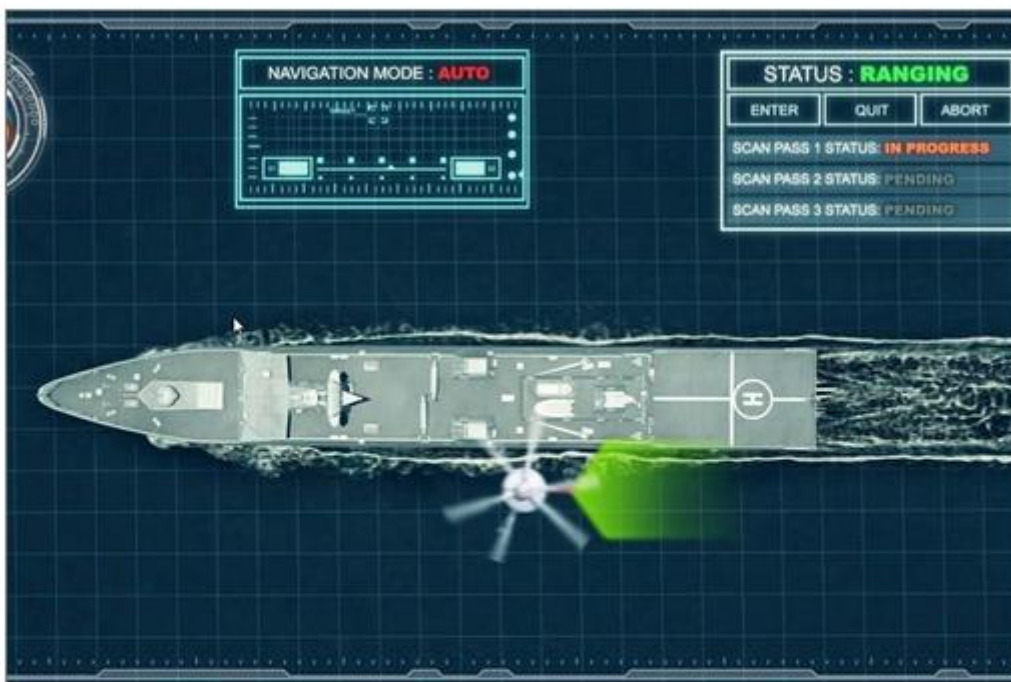


## DIGITAL BATTLESPACE



## ECA details magnetic ranging system award

28th February 2017 - 13:30 by *The Shepard News Team*



ECA Group will supply degaussing systems and magnetic ranging systems to an unnamed Asian military under a €7 million contract announced on 27 February.

Degaussing systems reduce the magnetic signature of submarines and surface ships; while magnetic ranging systems measure the vessel's magnetic signature.

ECA will supply its **Sterna** magnetic ranging system under the contract, a solution that combines an **IT180** UAS and an embedded magnetometer and its digitizer. The UAS flies over the vessel to measure the ship's magnetic field using a magnetic sensor payload. The data is then analysed and degaussing parameters are computed.

Together these systems improve the efficiency of the vessel's signature reduction system, reducing vulnerability against underwater mines and enemy detectors.

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