



UV - UNMANNED VEHICLES

Indonesian Navy deploys Sterna

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ECA Group's Sterna is being used by the Indonesian Navy to test the magnetic signature of vessels in order to assess vulnerability against underwater mines and other unfriendly detectors.

Sterna, a UAS-based portable aerial ranging solution, can be used for different type of magnetic measurements performing several runs along the longitudinal axis.

Sterna is based on ECA Group's airborne UAS [IT180](#), a compact, high-performance mini-UAS VTOL embedding a magnetometer and its digitiser. ECA's IT180 UAS combined with Sterna system 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.

Sterna solution is also able to measure coils effects of a degaussing system.

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