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Finmeccanica – Selex ES introduces new surveillance radar at MSPO Poland

Finmeccanica – Selex ES has introduced the Gabbiano TS-80 PLUS, a brand-new surveillance radar system at the International Defence Industry Exhibition (MSPO), which is taking place in Poland from 1st to 4th September.

The TS-80 PLUS, weighing just 44kilos, is the latest member of the Gabbiano family of radars which provide a set of surveillance capabilities including high resolution SAR (Synthetic Aperture Radar) and ISAR (Inverse Synthetic Aperture Radar) for protection, patrol and surveillance missions. Effective over ground, sea and along coastlines, the radars have been adopted by ten customers worldwide. Modular and flexible, the radars can be installed in a wide range of platforms.

The key improvement of the TS-80 PLUS is its use of solid state technology, giving it the same performance of the Gabbiano T200 system, while saving 25 kilos of weight and increasing its mean time between failure rate to 2500 hours. A 360° antenna group with wide-elevation scan (+20°/-55°), a one metre wide flat antenna plate and 80 watts of power provide for effective long-range surveillance. Extremely flexible, the TS-80 PLUS can be installed on the belly of an aircraft or in the nose.

The Gabbiano TS-80 PLUS comes equipped with the expansive Gabbiano family mode suite which includes air to sea surveillance with Track While Scan (TWS), high resolution ground mapping (Spot/Strip-SAR), ship target imaging and classification with ISAR mode and navigation with ground mapping and weather avoidance.