INDRA, THE COMPANY AT THE FOREFRONT OF AIR DEFENCE WITH ITS ADVANCED FAMILY OF LANZA 3D RADARS AND INNOVATIVE AESA MTR RADARS

* **Indra showcases some of the technologies that have made it one of the world’s leading radar manufacturers at FEINDEF**

Indra’s Lanza radars are a family of state-of-the-art 3D radar systems. These radars are based on modular and scalable architectures in terms of their hardware and software. The radio systems of the Lanza family are three-dimensional and solid-state, they operate in the L-band and they apply electronically controlled brush scanning in elevation. This distributed and modular architecture allows for smooth degradation in the event of the failure of certain elements, adapting to the specific requirements of each end user, whether it be the Navy, Army or Air Force.

Lanza radars are capable of detecting any aircraft or threat that may invade the airspace without authorization. They are designed to guarantee the highest possible level of operability, maintaining surveillance 24 hours a day and 365 days a year.

The application of state-of-the-art technologies developed by Indra makes the Lanza 3D one of the most advanced and reliable radars on the market, one that’s capable of detecting a wide range of targets, including fifth-generation fighters.

**Driving innovation with AESA MTR radars**

As for Indra’s MTR radars, they are AESA (Active Electronically Scanned Array) systems designed to perform air defence functions.

These radars are capable of detecting, geolocating and identifying moving targets on the ground and in the air. AESA technology brings greater accuracy and speed to threat detection, making it a key defence and security tool.

Indra has developed several versions of its MTR radars, including the MTR-5, the MTR-10, and the MTR-50L. These systems excel in terms of their capacity for integration into land and naval platforms.

MTR radars are designed to operate in adverse conditions and provide comprehensive airspace coverage, making them ideal for critical defence missions.

**Leadership in radar technology**

Indra is one of the world-leading radar manufacturers. It has exported its systems to the five continents, and its customers include European countries such as Spain, the United Kingdom, Germany, Poland and Portugal. It’s also one of NATO’s main suppliers and the leading European company in the development of radars for the detection of objects in space, ones that are key to guaranteeing the safety of any launch into space, satellites in orbit and the international space station.