



# Lanza-N 3D-Radar

## Naval 3D Radar.

The Lanza-N is a modular, pulsed, fully solid-state, medium and long range radar developed by Indra. It includes years of experience and the latest technical advances.



## Lanza-N Radar

The Lanza-N integrates a 3D Primary Surveillance Radar (PSR) based on a pencil beam architecture which provides medium and long range coverage.

The main function of the SR is the detection of non-cooperative aircrafts within the instrumented coverage volume, even under adverse conditions, including clutter and ECM environment. Target coordinates provided by the Lanza-N include target altitude (3D position).

It also includes an Identifier Friend or Foe and Secondary Surveillance Radar (IFF/SSR), capable of providing target identification through interrogation and automatic processing of transponders replies in modes 1, 2, 3/A, C, 4, S and 5.

The Lanza-N has been designed as a tactical radar, with the capability of being transported over the sea. All the Lanza-N associated equipment is completely integrated, so that all operative, transportable and deployable capabilities of the system are maintained.

- Field-proven technology
- Ratified effectiveness under extreme environmental conditions
- L-band operation
- Distributed fully solid-state Transmitter and Receiver
- Mono-pulse technique in both Elevation and Azimuth angle measurement
- Unique Electronic Protection characteristics
- Capability of sending the turning synchronisms (ARP/ACP) to the secondary radar
- Maximum employ of Commercial Off-The-Shelf (COTS) components
- Three independent and fully controllable simultaneous channels (ADD, DIFF, OMN)
- Advanced technology of planar array
- Tactical radar
- Possibility of integration with existing Human Machine Interfaces (HMI)
- Remotely controlled operation

**Mission: Back up of Navy Defence Network and Force Projection.**

**Up to 254 NM instrumented range.**

**Tactical. It is conceived to be installed on board naval surface platforms.**



[indracompany.com](http://indracompany.com)

Avda. de Bruselas, 35  
28108 Alcobendas  
Madrid, Spain

T +34 91 627 10 00  
[infodefence@indracompany.com](mailto:infodefence@indracompany.com)

Indra reserves the right to modify these specifications without prior notice

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