



LANZA Radar Family

LANZA is a family of **state-of-the-art 3D radar systems** based on a fully modular and scalable architecture, both in hardware equipment and software packages/capabilities.

Sharing common logistics and life cycle support concepts, this family includes a **wide variety of possibilities of configuration adapted to the particular needs** of each End User in all cases achieving the most demanding, or specific, operational requirements and cost effectiveness trade off.

All radar systems in the family are tri-dimensional, solid state, operate in L band, apply pencil beam exploration

(electronic control in elevation of radiation beams), with distributed architecture, redundant in critical elements, allowing for soft-fail degradation in the case of certain items failure.

Furthermore, **all LANZA family radar systems integrate the same constructive elements**, such as, among others, antenna array and spine, power amplifiers, transmitter power sources, beamforming, processing, mechanics, etc, in more or less quantity/units, with more or less capabilities/performance each.

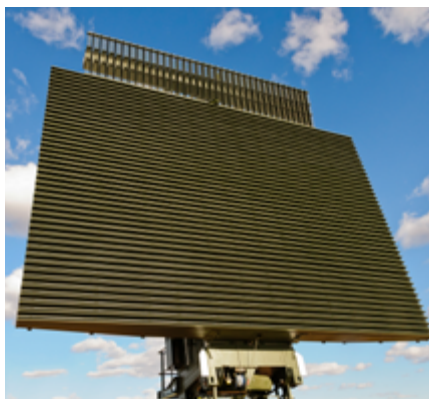
Consequently, in order to be adapted/adjusted to the specific requirements of each End User (Navy, Army or Air Force)

-even, potentially, to each operational site environmental conditions-, **radar systems in the LANZA family can be configured, combining such fully certified unitary modules**, from fixed-site or transportable extended long range radar systems, tactical/mobile long range radar systems, to medium range, gap filling or dual-use civil-ATC/military radar systems.

Even more, their exploration modes, totally software configurable from the radar console, allow to **adapt any radar of the family to multiple applications, missions or air threats**, taking into account the operational theater and environmental conditions at any moment.

Last Generation of 3D Radar Systems to operate in both tactical and fixed location

Indra is a world leader in the development of comprehensive technological solutions in Defence and Security



LANZA LRR

Long Range Radar

- Up to 256 NM instrumented range
- Mission: Backbone of Early Warning Air Defence Network



LANZA LTR-25

Long Range Tactical Radar

- Up to 250 NM instrumented range
- Mission: Back up of Air Defence Network and Force Projection



LANZA LTR-20

Medium Range Tactical Radar

- 200/120/60 NM instrumented range
- Mission: Air Defence (medium range up to Gap-filling coverage) and Air Policy (illegal traffic detection)



LANZA 3D PSR

ATC Radar

- 150/100 NM instrumented range
- Mission: En-route and approach radar



LANZA N

Naval Radar

- 180/120/60 NM instrumented range
- Mission: Anti-Air Warfare capacity for Naval Platforms

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