

INDRA INSTALLS THE NAVAL VERSION OF LANZA 3D RADAR ON AN INDIAN NAVY FRONT LINE SHIP

- After successfully passing the Factory Acceptance Tests (FAT), the company has begun installing the first of the 23 radars that it will equip the Indian Naval ships.
- This is a technology transfer program, materialized in a contract signed by Indra with the local company TATA Advanced Systems Limited (TASL) in 2020
- Indra has adapted the most advanced version of the Lanza-N radar, based on the one installed in the Spanish ship Juan Carlos I, to the regulatory requirements of India, for example, in the environmental field, to guarantee its optimal operation even in high humidity and extreme heat conditions

Madrid, May 17, 2023.- Indra's Lanza 3D radar continues to strengthen itself as one of the most advanced surveillance systems on the market and continues its international expansion. Indra is currently installing its naval version, Lanza-N 3D, on one of the Indian Navy's destroyer ship, beginning the delivery of the 23 radars that it will provide to the Indian Navy over the next decade.

This milestone is part of the contract signed by the company in 2020 with the Indian company TATA Advanced Systems Limited (TASL), within the framework of a technology transfer program. This provides for the delivery by Indra of a total of three complete radars, plus the core elements of its system for another 20 radars, destined for ships, which TASL will complete and integrate locally. To them is added an additional reference radar to support this technology transfer during the additional maintenance period of 12 and a half years.

After designing and producing the first radar at Indra's facilities in Madrid, the system passed the factory acceptance tests (FAT) at CEAR, the Radioelectric Analysis Center of the Institute of Aerospace Technology (INTA) in November, to be subsequently shipped to India, where installation has begun once the ship has become available.

The following two radars are already in production and are expected to pass FAT tests this year.

The Lanza-N radar that is being implemented is based on the one fitted to the ship Juan Carlos I of the Spanish Navy, although the system has been adapted to the regulatory requirements of India, for example, in the environmental field to guarantee its optimum performance even in conditions of high humidity and extreme heat.

In addition, it incorporates the latest technological and operational updates incorporated by Indra to its family of Lanza radars, as well as some improvements, such as greater power for the use of long-range mode or remote monitoring of the pressurization system.

This project confirms the export potential of the Lanza-N radar, a high-tech Spanish solution for surface ships, designed as a long-range, modular, solid-state pulsed tactical radar, with all the equipment associated with the Lanza-N fully integrated for a naval operation.

The primary function of radar is the detection of aircraft within the instrumented coverage volume, even in adverse conditions. It also includes the integration of a Secondary Surveillance Radar (IFF/SSR).

The most advanced radar technology

Indra's Lanza 3D family radars have not stopped evolving and improving to become one of the most advanced on the market on a global scale.

Thus, Indra has also become one of the main manufacturers of radars in the world, applied not only to the Defense sector, but also in the field of mobility and air traffic. The company has one of the largest radar factories in Europe in the Community of Madrid, with more than 7,000 square meters and 200 specialized professionals.

With more than forty years working on the development of these systems, Indra has exported its radars to the five continents and is the main supplier of NATO. The protection of European airspace, the survival of the Eurofighter and the ships of various navies, and even the protection of orbiting satellites depend on the company's mastery of this technology.

It has also developed one of the most powerful radars in Europe and the world, intended for space surveillance, capable of detecting objects in orbit more than 2,000 kilometers from Earth and which is responsible for protecting launches, satellites and the international space station.

In this area, Indra has signed a collaboration agreement with the Indian company, Centum Electronics, to present a joint proposal to the Indian Space Agency (ISRO) to manufacture a radar for observing and tracking objects in space with which to protect the country's space assets. The agreement is aligned with the "Make India" strategy of the country's government, which supports the formation of this type of strategic alliances between local companies and leading companies.

About Indra

Indra (<http://www.indracompany.com>) is one of the leading global technology and consulting companies and the technology partner for the key operations of its clients' businesses around the world. It is a world leading provider of proprietary solutions in specific segments of the Transport and Defense markets, and a leading company in digital transformation and Information Technology in Spain and Latin America through its subsidiary Minsait. Its business model is based on a comprehensive offer of its own products, with an end-to-end approach, high value and a high innovation component. At the end of the 2022 financial year, Indra had revenues of 3,851 million euros, almost 57,000 employees, a local presence in 46 countries and commercial operations in more than 140 countries.