

INDRA UPGRADES AIR NAVIGATION RADARS IN THE UNITED KINGDOM WITH STATE-OF-THE-ART TECHNOLOGY FOR MORE SUSTAINABLE AVIATION

- Indra will manufacture and install state-of-the-art radars on ten sites for NATS, the country's air navigation service provider, combining primary 3D and secondary MSSR radars to monitor aircraft movements throughout the country's airspace
- Indra's radars will incorporate technology to allow better mitigation for the interference caused by turbines on wind farms, in turn facilitating the development of renewable energies without compromising flight safety and contributing to NATS' environmental commitments

Madrid, 21st April 2025. – Indra has won a contract to upgrade the United Kingdom's air surveillance network with new state-of-the-art radars. NATS, the country's air navigation service provider, has awarded Indra this contract, which will incorporate cutting-edge design and technology to cut down on CO₂ emissions.

Indra will deploy a total of 19 radars in the different locations, each will be equipped with a primary PSR3D and a secondary MSSR radar. Indra will also upgrade the systems of the primary radar currently in operation, previously installed by the company at Lowther Hill, and complement it with an MSSR, in such a way that NATS will have 10 identical sites to standardize its maintenance work. The project includes manufacturing, installing, supporting and maintaining the radars for around 20 years.

Indra's radars comply with the highest technical and safety standards, and they are designed to be managed remotely, a sustainable approach that cuts down on the carbon footprint while optimizing energy consumption by reusing the necessary facilities and improving the efficiency of the buildings where they have been set up. This will be possible thanks to Indra's control and monitoring system, which will facilitate the maintenance of the radars once they enter operation.

Indra's systems meet the demanding sustainability requirements set by NATS in its environmental commitments including achieving its goal of zero emissions in all of its air traffic operations. Thanks to the incorporation of advanced algorithms, Indra's radars have capabilities to allow better mitigation for the adverse effects that wind farms can have on radar signals, as they are able to detect and eliminate the interference caused by reflections and common turbine noises that affect air safety. This also means that the use of renewable energies can be compatible with safe and efficient air operations.

Phil Blakemore, NATS' Surveillance Service Owner, said: "Replacing our radar fleet is the first phase of a major upgrade to the UK's radar systems. It will ensure we continue to provide excellent coverage for our customers while also reducing energy use by 30-50%, helping NATS meet its sustainability goals".

"This ambitious project will consolidate Indra as a global flagship in advanced aviation technology and strengthen its close collaboration with NATS in transforming air traffic management in the United Kingdom and, improving the efficiency and sustainability for decades to come. Indra is one of the few companies in the world that's capable of addressing the comprehensive refresh of an air surveillance network of these characteristics, and the trust placed by major countries such as Germany, Spain and, now, the United Kingdom, three mainstays of the digital European sky, shows that it's an achievable and more efficient model", highlighted Victor Martínez, Executive Vice President of ATM at Indra.

Indra has equipped a total of over 11,000 air traffic facilities around the world and it's one of the few companies in the world with a portfolio of state-of-the-art solutions capable of managing a flight gate-to-gate, from take-off to arrival at its destination.

About Indra

Indra is a leading Spanish multinational and one of the foremost global defence, air traffic and space companies that, through technology, protects our current way of life and anticipates the needs of the future. Its committed team of experts, its in-depth knowledge of the business and the latest technologies, and its unique innovation and systems integration capabilities make it the trusted technology partner for key operations and digitalization for its customers around the world. Thanks to its leadership in major European programs and projects, as well as its spirit of collaboration and partnership strategy, it drives the industrial and innovative ecosystem in these sectors.

Indra is part of Indra Group (www.indracompany.com), which, in the 2024 financial year, posted revenues totaling 4,843 million euros, with a local presence in 49 countries and business operations in over 140 countries.

Communication Contact

Elsa Jiménez Blanco
ejimenezbl@indra.es
+34 669 82 93 19