

ADVANCED SUBSYSTEMS GIVE EUROFIGHTER RADAR MK1 SIGNIFICANT PERFORMANCE BOOST

- **Indra and HENSOLDT have completed production of the first radars with the new hardware, which will undergo qualification testing and test flights.**
- **It incorporates performance improvements that enable ultra-fast changes in operating mode and real-time adaptation to mission requirements.**

Madrid, 27 June 2025.— The Eurofighter Radar Mk1 Consortium partners HENSOLDT and Indra have completed the production of the first radars with the advanced subsystems for the Processor and the Antenna Power Supply & Control (APSC).

ECRS Mk1 (Eurofighter Common Radar System Mark 1) is the next-generation Eurofighter Radar to be fielded by the air forces of Germany and Spain. Based on a multi-channel AESA and high-end processor, ECRS Mk1 will uplift the capabilities of the Eurofighter, which Airbus produces for the German and Spanish air forces. ECRS Mk1 architecture is designed to enhance the full range of fighter missions including Advanced Air-to-Air, High-Resolution Air-to-Ground as well as both passive and active electronic warfare capabilities. It has been contracted in 2020.

In April 2024, the military Customers in Germany and Spain decided to introduce advanced subsystems for the Processor and the Antenna Power Supply & Control (APSC) into the ECRS Mk1 Step 1.

“In less than 13 months, we have completed the production of the first radars with this new hardware and a comprehensive assessment phase is well advanced. The new APSC and Processor give Mk1 a significant boost in performance, both for ultra-fast mode switching, real-time mission flexibility, and future autonomous task-based and AI-supported operations”, explains Dr. William Gautier, Technical Director at HENSOLDT. “This new hardware is integrated with a robustly refactored software that enables full exploitation of AESA multi-channel technology. Also, thanks to its modern architecture and design ECRS Mk1 is sustainable by Customers in the long run.”

Mr Borja Miño, Technical Director at Indra, stated: “The new processor architecture also brings major improvements, including increased computational throughput, enhanced parallel processing capabilities, and support for advanced signal processing algorithms. These enhancements not only improve current performance but also provide the necessary headroom for future software evolutions and sensor fusion capabilities.”

The first radar models will be used to perform extensive qualification and flight testing. The Mk1 Step 1 will demonstrate its performance during flight tests onboard Germany's ATRA Flying Testbed.

Following evaluations and tests during first half of 2025, HENSOLDT and Indra plan to release series production of the Mk1 Step 1 during summer 2025. ECRS Mk1 will be fitted to Eurofighter Quadriga Aircrafts at Airbus Defence and Space in Manching, Germany.

Mk1 Step 1 will provide robust air-to-air capability to the German and Spanish air forces. Further software upgrades will evolve the Mk1 radar into a full multi-role radar including air-to-ground and electronic warfare tasks. Those will also enable task-based operation to reduce pilot workload whilst improving system performance.

About HENSOLDT

HENSOLDT is a leading company in the European defence industry with a global reach. Based in Taufkirchen near Munich, the company develops sensor solutions for defence and security applications. As a system integrator, HENSOLDT offers platform-independent, networked sensors. At the same time, the company is driving forward the development of defence electronics and optronics as a technology leader and investing in new solutions based on software-defined defence. In

addition, the company is expanding its range of offers to include new service models and is extending its portfolio of system solutions. In 2024, HENSOLDT achieved a turnover of 2.24 billion euros. Following the acquisition of ESG GmbH, the company employs around 9,000 people. HENSOLDT is listed on the Frankfurt Stock Exchange in the MDAX. www.hensoldt.net

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 an Indra Group company (www.indracompany.com) which, in the 2024 fiscal year, achieved revenue totaling €4.843 billion, with a local presence in 49 countries and business operations in over 140.

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