
HENSOLDT forges ahead with the Development of Eurofighter's Radar

New radar increases areas of deployment and improves pilot protection

Ulm/Germany, 17 December 2018 – The Eurofighter will be equipped with a new generation of radar which will enhance the aircraft's capabilities and survivability. In the Euroradar consortium, the sensor solutions provider HENSOLDT is pressing ahead with the development of the Eurofighter's new Captor-E radar system. Following the successful acceptance test, HENSOLDT has now delivered the second antenna ready for series production to Leonardo UK in Edinburgh. This means that the production of the so-called e-scan antenna can commence at the HENSOLDT site in Ulm/Germany according to plan. This paves the way for the delivery of the first radar systems as of mid-2019.

As early as spring 2018, the radar has successfully completed two flight campaigns at British Aerospace Systems (BAES) in Warton and at Airbus Defence and Space in Manching and met the requirements of the Critical Design Review (CDR) exactly on schedule.

The Captor-E radar is based on AESA (Active Electronically Scanned Array) technology and will significantly enhance the performance of the Eurofighter. Electronic beam scanning combined with flexible radar resource management provide outstanding detection performance and ensure simultaneous multi-target tracking, missile guidance and perception of the situation. The Eurofighter's nose is larger than that of all the comparable fighters, which means that the antenna is much larger and consequently more powerful than that of competing aircraft. This, together with the ability to mechanically rotate the antenna with a larger angle of view, increases both the detection area and the field of regard in comparison with the AESA radar systems used by the competitors.

The further development of radar technology is one of the main focal points of the sensor specialist HENSOLDT. For this reason, HENSOLDT operates one of the largest cleanroom production lines for radio-frequency components in Europe. HENSOLDT's radar systems are deployed worldwide by armed forces, including the US and German Navy, as well as at the bases of the Canadian, Australian and German Air Force. The Eurofighter radar is being developed by the Euroradar consortium comprising Leonardo (Great Britain, Italy), Indra (Spain) and HENSOLDT (Germany). The consortium has already developed and produced more than 400 Captor radars.

About HENSOLDT

HENSOLDT is a pioneer of technology and innovation in the area of defence and security electronics. The company, headquartered in Taufkirchen near Munich, is a market leader in civilian and military sensor solutions, developing new products to counter a wide variety of threats based on disruptive concepts in such fields as big data, robotics and cyber security. With a workforce of some 4,300 employees, HENSOLDT generates revenues of more than €1 billion per year.

www.hensoldt.net

Caption:

A next-generation radar will enhance Eurofighter's capabilities and survivability. Photo: HENSOLDT

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Detect and Protect.
