HENSOLDT Introduces ASMS for Assured Spectrum Access

HENSOLDT South Africa introduces its Automated Spectrum Management System (ASMS) at Africa Aerospace and Defence (AAD) 2026. The integrated capability is designed to help defence forces and spectrum authorities plan, coordinate, assign and monitor the use of the electromagnetic spectrum more efficiently.

The electromagnetic spectrum is essential to modern military communications, sensing, command and control and electronic warfare. At the same time, it is a limited and increasingly congested operational resource shared by military, civilian and commercial users.

Defence spectrum authorities must coordinate requirements

across services, units, equipment, locations and activities while complying with national regulations and protecting sensitive information. Fragmented systems and manual processes can result in delays, conflicting assignments, inefficient spectrum use and an increased risk of interference.

ASMS addresses this challenge by bringing the complete spectrum management lifecycle into one controlled environment. It supports spectrum planning, application processing, spectrum engineering, spectrum enforcement and spectrum monitoring.

Automated, rules-based workflows assess applications according to defined criteria such as intended use, duration, location, applicant role and equipment type. The system also maintains an up-to-date record of authorised spectrum use, providing greater visibility of who may transmit, where, when and under which conditions.

“Access to the electromagnetic spectrum has become fundamental to mission readiness,” said Ryno van Staden, Head of Sales at HENSOLDT South Africa’s GEW business unit. “ASMS helps customers move from fragmented and manually intensive processes towards a more coordinated spectrum management environment. By improving visibility and control, it helps make the right spectrum available to the right authorised user, at the right place and time.”

Enabling coordinated CEMA

Within the broader Cyber and Electromagnetic Activities (CEMA) environment, ASMS provides an essential spectrum management foundation. It supports the coordination of operational users and capabilities by improving visibility of spectrum requirements, assignments, restrictions and authorised use.

The system can support defence operations, training, exercises, equipment testing and experimentation. Role-based access helps protect sensitive organisational, equipment and

location information while enabling coordination across services – and between defence and civilian spectrum authorities.

Developed by HENSOLDT South Africa's GEW business unit, ASMS builds on the company's extensive experience in spectrum monitoring, spectrum management and electronic warfare. Its presentation at AAD supports HENSOLDT's strategic focus on the future of land electronic-warfare, spectrum dominance and multi-domain operations.

About HENSOLDT South Africa
HENSOLDT South Africa is a pioneer of technology and innovation in defence and security electronics. The company offers a comprehensive range of products, systems and services across defence and civil markets, from electronic warfare and optronics, spectrum monitoring and security solutions, to radar, IFF and datalinks. With more than 700 South African employees across five sites in South Africa, it is the HENSOLDT Group's largest industrial base outside of Europe and one of the largest defence and security electronics companies in South Africa.

As HENSOLDT South Africa's spectrum dominance business unit, GEW provides clients with premium solutions to detect and protect in contemporary defence and civil environments. On land, at sea or in the air, our electronic warfare and spectrum monitoring solutions offer tactical and strategic superiority. HENSOLDT SA's GEW® range of products and systems are rooted in a long lineage that spans almost 60 years of innovation.

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 Neo system house, HENSOLDT offers platform-independent, networked sensors. At the same time, the company

is driving forward the development of defence electronics and optronics 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 2025, HENSOLDT achieved a turnover of 2.46 billion euros. The company employs around 9,500 people. HENSOLDT is listed on the Frankfurt Stock Exchange in the MDAX.