

Korea Aerospace Industries selects Thales Scorpion® Helmet Mounted Display to augment FA-50 fighter for Poland

- Thales Scorpion® Helmet Mounted Display (HMD) will augment FA-50 pilots' vision in real time through advanced hybrid inertial optical tracking.
- Paired with the FA-50's remarkable advanced fighter capabilities, Scorpion® HMD will enhance situational awareness to ensure mission success.
- With rotary wing versions already being supplied to Korea Aerospace Industries (KAI), Scorpion® is well positioned for future growth on KAI's platforms.



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Thales today announced that it has been awarded a contract by Korea's Aerospace Industries (KAI) to equip FA-50 fighters for Poland with its highly successful Scorpion® Helmet Mounted Display (HMD).

Under the terms of this contract, Thales is responsible for adapting, integrating, and qualifying the Scorpion® HMD onto KAI's FA-50 Fighting Eagle, as well as installing production systems, to support the Republic of Korea's FA-50 contract with Poland.

With its digital cockpit, digital flight control system, and impressive array of precision-guided weapons, the FA-50 is well-equipped for all-weather combat operations day and night. Scorpion® is a perfect match as it offers a modern, digital platform that equips pilots with enhanced situational awareness.

The highly accurate Scorpion® HMD features full-color symbology, zero-perceived latency, and a single display module for both day and night operations – all at reduced life-cycle costs. Motion-tracking accuracy, using Scorpion’s precision Hybrid Optically-based Inertial Tracker (HObIT™), is also significantly improved over competing systems.

Thales expects this contract is just the start as the FA-50 is made available to customers worldwide. Scorpion® is well-suited to also be easily adapted onto the T-50 Advanced Jet Trainer and TA-50 Lead-in Fighter Trainer, as HMDs are becoming integral to most current and future combat aircraft.

“We are excited to add the FA-50 to the long list of highly capable combat aircraft embracing our Scorpion HMD. For KAI we also supply rotary wing versions for their Light Armed and Marine Attack helicopters,” said Jim Geraghty, Vice President, Visionix a division of Thales Defense & Security Inc. He continued, “Scorpion’s simplified approach to platform integration, superior situational awareness, high reliability, and enhanced pilot comfort makes this system unmatched in the HMD marketplace.”

About Thales

Thales (Euronext Paris: HO) is a global leader in advanced technologies within three domains: Defence & Security, Aeronautics & Space, and Digital Identity & Security. It develops products and solutions that help make the world safer, greener and more inclusive.

The Group invests close to €4 billion a year in Research & Development, particularly in key areas such as quantum technologies, Edge computing, 6G and cybersecurity.

Thales has 77,000 employees in 68 countries. In 2022, the Group generated sales of €17.6 billion.

About Thales in the USA

In the United States, Thales has conducted significant research and development, manufacturing, and service capabilities for more than 100 years. Today, Thales is present in 22 states, operating 46 different facilities, and employing nearly 4,000 people. Working closely with US customers and local partners, Thales is able to meet the most complex requirements for every operating environment.

About Thales in Korea

Thales has been present in the Republic of Korea for forty years, providing solutions in the defence, transportation, digital identity & security, aerospace and space domains. In South Korea, Thales is present in the civil domains providing various solutions for domains such as Air Traffic Management, Ground Transportation, In-Flight Entertainment, Space and Digital Security. In the defense domains, Thales is a long-term provider of solutions for the Korean Armed Forces, with an extensive footprint in both naval and air defence domains. Thales is also a key player in the military space domain offering communication and observation capabilities.

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