

## **KAI Networks and INTEGRASYS Achieve World's First NGSO Regulatory and Monitoring System Deployment**

**Seoul, South Korea - November 12, 2025** — [KAI Networks](#) has been honored by the Ministry of Technology during the 4th Satellite Radio and Satellite Technology Conference in Seoul, recognizing the company's groundbreaking work implementing INTEGRASYS' [LEOREG](#), the first (NGSO) monitoring system deployed for regulating newspace, being the first system of its kind globally.

This milestone marks a major advancement in the regulation and oversight of next-generation satellite constellations, setting a global precedent for NGSO monitoring.

LEOREG enables real-time spectrum monitoring and protection for existing geostationary satellite services while managing the rapidly growing number of low Earth orbit (LEO) satellites such as Starlink and OneWeb. By ensuring compliance with [International Telecommunication Union \(ITU\)](#) regulations, Article 21 & 22, the solution reinforces national spectrum sovereignty and lays the groundwork for future interference response systems.

"We are honored by the trust of the Korean radio frequency regulator leadership in adopting the first NGSO regulatory system, LEOREG. Their forward-thinking approach is the new way to regulate NGSO constellations," said [Álvaro Sánchez](#), CEO at INTEGRASYS. "We are proud to contribute to this pioneering success alongside KAI Networks, AVL, and KNS."

The project's success was powered by close collaboration among KAI Networks, INTEGRASYS, and antenna technology partners [AVL Technologies](#) and [KNS Technologies](#), integrating advanced flat-panel and multi-orbit XY antenna systems. These antennas are now operating at peak performance, fully orchestrated with INTEGRASYS' monitoring solution requirements to ensure high-precision signal tracking and continuous monitoring.

KAI Networks oversaw the full coordination of the installation, including logistics, equipment deployment, and operational readiness. Their meticulous management

ensured seamless integration across all system components with record time of less than 5 months from contract award to system acceptance.

The customer reported high satisfaction with the performance of the complete solution—particularly the INTEGRASYS’ LEOREG NGSO monitoring system, which proved instrumental in orchestrating multiple hardware elements while enabling advanced analytics and live interference detection. This capability has positioned the system as a benchmark in LEO regulatory monitoring worldwide.

This award-winning achievement underscores the strength of the long-standing partnership between KAI Networks, INTEGRASYS, KNS, and AVL. Together, the companies are exploring new opportunities to expand NGSO satellite monitoring capabilities to meet global demand as the satellite industry enters a new direct to device era.

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## **About INTEGRASYS**

Founded in 1990, **INTEGRASYS** is a software engineering company specializing in advanced solutions for satellite networks and space communications. With expertise in RF, optical, and spectrum technologies, INTEGRASYS delivers resilient and secure systems designed for defense and commercial markets worldwide.

## **About KAI Networks**

Founded in 2016 and headquartered in Seoul, South Korea, KAI Networks is a specialized system integrator delivering advanced satellite communication solutions. The company designs, integrates, and supports mission-critical SATCOM systems for land, sea, and air operations—with particular expertise in airborne SATCOM for military and governmental aircraft. With extensive experience in defense projects and close partnerships with leading global manufacturers, KAI Networks provides solutions that meet strict operational and regulatory requirements while ensuring reliable performance in the field.

## **About KNS**

Since its founding in 2001, KNS has been at the forefront of innovation in the maritime and military satellite communication sectors. The company has developed a range of cutting-edge communication antennas, serving a diverse clientele that includes prestigious organizations such as the Korea Coast Guard and the US Navy. With a reputation for reliability and a global service network, KNS has consistently delivered high-performance products that meet the evolving needs of its customers. Trusted in over 60 countries worldwide, KNS continues to be a key player in shaping the future of satellite communication.

## **About AVL**

Founded in 1994, AvL Technologies quickly became a leader in satellite communications with the development of a lightweight, rigid, and backlash-free positioner. This innovation led to the creation of a range of antenna solutions, and over 30,000 antennas were fielded in the company's first 25 years. Headquartered in Asheville, North Carolina, AvL offers the world's largest range of satellite antennas for vehicle-mount, flyaway, and fixed Earth station applications, with sizes from 60cm to 5.0M. Known for their durability, efficiency, and customization options, AvL antennas are trusted by customers worldwide. The company operates from a 110,000 square foot campus with advanced manufacturing and testing facilities.

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