

Press release

Budapest, 16 February 2026

HUSAT PROGRAM SATELLITES TO FEATURE CUTTING-EDGE EARTH OBSERVATION TECHNOLOGY

South Korean TelePIX to supply State-of-the-Art camera and sensor systems for future Hungarian satellites

- **Following a multi-round selection process, REMRED Zrt. (REMRED), a subsidiary of 4iG Space and Defence Zrt. (4iG S&D) selected South-Korean TelePIX Co. (TelePIX) as the supplier of electro-optical camera systems for the HULEO satellites will be operating in low Earth orbit (LEO).**
- **TelePIX globally recognized, high-resolution, space-qualified camera and sensor solutions ensures that the HUSAT program will deliver Earth observation capabilities.**
- **The cooperation represents another key element of the global partnership framework of the HUSAT satellite program, which the company has previously entered into agreements with, among others, Germany-based Vertex for the deployment of the ground antenna system, and France-based Eutelsat for the acquisition of frequency resources associated with geostationary satellite orbits.**

4iG Space and Defence Zrt. (4iG S&D) subsidiary REMRED Zrt. (REMRED), signed an agreement with TelePIX Co. (TelePIX), one of the world's leading developers of Earth observation camera systems. Under the cooperation, TelePIX can manufacture the state-of-the-art VHR (Very High Resolution) camera and sensor suites to be installed on the HULEO electro-optical satellites, enabling Earth observation missions and high-precision data collection at the highest technological standards. As a result, the HUSAT satellite constellation will deliver internationally competitive, top-tier Earth observation imaging capabilities. As the objective is a long-term strategic partnership, the parties are also exploring the possibility of setting up a joint venture in Hungary, specialized in the development and manufacturing of electro-optical satellite camera systems.

TelePIX, a globally recognized South Korean space technology company, specializes in the development of high-resolution, space-qualified electro-optical (EO) payload systems for small- and medium-satellite missions, where compact size, high performance, and operational reliability are critical factors. Its EO solutions deliver superior imaging performance, compact system architectures, and mission-grade reliability, supporting advanced Earth observation missions. The company also develops on-board data processing technologies to enhance imaging efficiency and overall mission performance. TelePIX's technologies support a wide range of commercial, institutional, and governmental applications, including environmental monitoring, mapping, and infrastructure analytics, as well as dual-use and defense-related Earth observation missions.

Within the HUSAT satellite program, **REMRED** is responsible for the complete mission architecture of the HULEO constellation, including system-level design, development and testing, as well as the integration of all components. The implementation of the HULEO program is carried out at the REMTECH Space Competence Center, where the satellite MAIT (Manufacturing, Assembly, Integration & Test) processes also take place. REMRED is a professional partner and supplier to several flagship

space programs, including the Artemis–Lunar Gateway program, which enables the next generation of crewed lunar missions, as well as the Comet Interceptor interplanetary mission, and cooperates with the world’s leading space agencies. The company is also active in the development and manufacturing of space weather and space radiation technologies and related specialized equipment, drawing on nearly 50 years of space engineering expertise and experience.

Global cooperation with internationally recognized technology partners plays a key role in the implementation of the HUSAT program. So far 4iG S&D has entered into agreements with Germany-based Vertex for the deployment of a state-of-the-art ground antenna system ensuring communications for the HUSAT satellites, and with France-based Eutelsat for the acquisition of frequency resources associated with geostationary satellite orbits. Under the newly signed agreement, the electro-optical camera systems and sensors required for Earth observation capabilities will be provided by the globally recognized TelePIX, while the selection of the next major international partner—the manufacturer of the HUSAT program’s geostationary (HUGEO) satellite—is currently underway.

The partnerships established by 4iG S&D with international space industry players go beyond traditional technology supplier relationships. They strengthen the positions of 4iG S&D and REMRED in the international satellite system integration market, accelerate the development of Earth observation capabilities, and ultimately contribute to enabling companies and governments to rely on more accurate and faster-access data for economic, environmental, and security-related decision-making in the future.

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About the HUSAT Program

4iG Space and Defence Zrt. (4iG S&D) presented the HUSAT program in November 2024. The initiative represents the largest privately initiated and financed satellite program in Hungary and the Central and Eastern European region. Within the framework of the program, the company plans to launch, deploy, and operate one geostationary (HUGEO) satellite and eight (6+2) low Earth orbit (HULEO) Earth observation satellites by 2032. The low Earth orbit Earth observation constellation will consist of six electro-optical satellites (HUEOP) capable of capturing Very High Resolution (VHR) imagery, as well as two VHR Synthetic Aperture Radar (SAR) satellites (HUSAR). The low Earth orbit satellites will be integrated at the Martonvásár manufacturing center, currently under construction and jointly established by 4iG Space and Defence Zrt. and REMRED, while the geostationary satellite will be manufactured in cooperation with an international partner. In addition to satellite development and manufacturing, the HUSAT program also includes the operation of two ground stations—partly leveraging existing infrastructure—for satellite control, mission operations, capacity commercialization, and data processing.

Demand for satellite-derived information and related analytical services is growing rapidly. Accordingly, the satellite systems of 4iG Space and Defence Zrt. will support a wide range of sectors through Earth observation, data processing, and telecommunications services, including telecommunications, industry, agriculture, transport and logistics, environmental and disaster management, forestry, water management, climate research, cartography, urban planning, and security policy. With the HUSAT program, 4iG Space and Defence Zrt. enters the global market, meeting the supplier requirements of the European Union, NATO, and the European Space Agency (ESA) alike.

The Space Industry Manufacturing Center in Martonvásár

REMRED Zrt., a member of the 4iG Group specializing in the design and manufacturing of space systems, is constructing a greenfield space technology manufacturing center in Martonvásár. The facility, named REMTECH, will carry out the development, manufacturing, assembly, integration, and testing of low Earth orbit satellites weighing up to 400 kilograms, using a modular technology unique in Europe. The REMTECH facility, scheduled to open in 2026, will be equipped with the most advanced technologies available, including systems for vibration, shock, mechanical, thermal vacuum, climatic, EMC/EMI, and acoustic testing. The approximately 4,000-square-meter complex will include 1,500 square meters of specialized laboratory space meeting ISO 8 and ISO 5 cleanroom classifications. The energy supply of the greenfield-built space center will also be supported by an on-site solar power plant.



4iG Space and Defence

4iG Space and Defence Zrt. (4iG S&D) is the space and defense industry holding company of the 4iG Group, developing innovative dual-use technologies for the space, defense, and security sectors. Its activities are organized into five business divisions: Space, Aero, Land Systems, Weapons & Ammunition, and Cyber and Defence Digitalization. The Space division covers the design, manufacturing, and operation of satellites. In the field of defense technologies, 4iG S&D develops unmanned aerial vehicles and counter-drone systems, land platforms, weapons and ammunition manufacturing solutions, as well as advanced cyber and digitalization technologies. Its systems contribute to the development of NATO-compatible capabilities and to the strengthening of regional security. www.4igsdt.hu