SUCCESS OF THE 3RD LAUNCH FOR THE KINÉIS CONSTELLATION

15 satellites now in orbit for Kinéis IoT and AIS missions

On Monday, November 25, 2024, at 4:55 AM (Paris time), Rocket Lab's Electron rocket successfully launched 5 new satellites into orbit for the Kinéis constellation, dedicated to global Internet of Things (IoT) and Automatic Identification System (AIS) markets. This brings the total number of nanosatellites deployed to 15 out of the 25 planned. This third launch, named «Ice AIS Baby,» was conducted from New Zealand and marked Electron's 56th mission.

On the success of this third launch, Alexandre Tisserant, President of Kinéis, stated:

"Once again, the Kinéis teams demonstrate their technical capabilities as a satellite operator with the successful deployment of these 5 new satellites in a fast-paced launch schedule. This achievement would not have been possible without the precision of Rocket Lab's Electron, which placed our satellites on their planned orbits. With 15 satellites now in orbit, we are closer to the complete deployment of our IoT constellation to transmit real-time data from any point on the globe. Congratulations to all of our teams for their incredible work, and let's not forget, this is a European first!

We are also excited about our second mission, AIS. In a rapidly consolidating market, Kinéis is establishing itself as a sovereign European player combining technological expertise and strategic independence. With our new AIS offering, maritime stakeholders benefit from enhanced fleet visibility and improved data reliability."

Relive the third Kinéis launch live from New Zealand:
https://www.kineislaunch.com/en/launch

SATELLITE AIS: KINÉIS' SECOND INNOVATIVE MISSION FOR GLOBAL MARITIME SURVEILLANCE

The AIS (Automatic Identification System) is a maritime system for the automatic identification of ships using VHF (very high frequency) radio signals. It allows ships equipped with transponders and surveillance systems to know the identity, position, direction, and status of vessels at sea.

Kinéis' Satellite AIS (S-AIS) is a demonstration of high-performance innovation, showcasing disruptive technology specifically developed for the second mission of the 25 satellites in the IoT constellation.

Indeed, the Kinéis AIS antenna ensures superior reception quality, as the ship's signal is received by each of the antenna's 6 independent metal strands. This system increases the reception rate for ships in high-density traffic areas, compared with traditional single-strand satellites.

Kinéis' Satellite AIS is a complementary solution to terrestrial AIS, which is limited to a maximum coverage of 100 km around terrestrial antennas. The Kinéis S-AIS solution surpasses this limit by using its satellites to collect and transmit AIS data, even in the most isolated or congested areas (Gulf of Mexico, Suez Canal, English Channel).

With its constellation of low Earth orbit (LEO) nanosatellites, Kinéis aims to process millions of AIS messages daily, providing a detailed and reliable view of global maritime traffic.

DIVERSE AND STRATEGIC USES:

- **Maritime traffic management:** Reliable data to enhance safety and fluidity in high-traffic or remote areas.
- **Detection of suspicious behavior:** A crucial aid in fighting illegal fishing, piracy, and trafficking.
- **Logistics optimization:** Reducing costs and risks through improved supply chain management.
- **Defense and security reinforcement:** Precise monitoring for rapid intervention (customs operations, defense).
- **Environmental protection:** Monitoring protected areas, detecting pollution, and optimizing routes to reduce environmental impact.
- **Data analysis:** A decision-making tool for risk management.

KINÉIS TECHNOLOGICAL EXCELLENCE

Kinéis' S-AIS technology stands out due to major innovations:

- **Performance in dense areas:** The Kinéis multi-strand antenna captures 80% of signals in congested zones, outperforming traditional single-strand satellites.
- **Advanced protection against spoofing:** A sophisticated anti-spoofing system to combat position falsification, integrating the Doppler effect (frequency variation due to relative movement between transmitter and receiver) and detection algorithms, ensuring reliable and secure data.
- **European sovereignty:** A 100% French solution, ensuring data independence and integrity against international players.

With its S-AIS offering, Kinéis provides global coverage and reliable data to address the strategic, environmental, and economic challenges of the maritime industry.

Explore Kinéis' S-AIS offering:
www.space-ais.com

About Kinéis | *www.kineis.com*
Founded in 2018, Kinéis is a New Space French actor, satellite operator and global connectivity provider for the Internet of Things (IoT). Its mission is helping customers to keep link with what matters to them, their guarantee transmission data objects connected, in any point of the globe, in near real time, thanks to constellation of 25 satellites. Kinéis operates for an international market in fields where the stakes are high for people, their activities and their environment. The Toulouse-based company uses a reliable technology thanks to the 40 years heritage of expertise in the data collection since space, adapted for the IoT. In addition to its main shareholders (CLS and CNES), Kinéis raised 100 million euros in 2020 from French private and public investors. In 2021, Kinéis generated a turnover of 8.4 million euros (+20% compared to 2020). The company has been awarded the French Tech Next40, promotion 2021, 2022 and French Tech 120 promotion 2023, focused on environmental and societal issues.

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