

## HISPASAT to provide satellite capacity in Greenland through the Greensat mission

- **The new Amazonas Nexus, which will be launched in the second half of 2022, will embark a dedicated payload for the mission.**
- **Greensat's capacity will allow Tele Greenland A/S to improve Internet access in all remote towns and villages in North and East Greenland.**

**MADRID (Spain)-NUUK (Greenland), 7<sup>th</sup> of October 2021.** HISPASAT, the Spanish telecommunications satellite operator, has signed an agreement with Tele Greenland A/S, the national communications company in Greenland, to lease space capacity on the Amazonas Nexus satellite until the end of its lifetime.

The agreement will make it possible for Tele Greenland A/S to improve Internet access in all remote towns and villages in North and East Greenland served today by satellite. This capacity will also allow to provide corporate services to mining companies and serve as back-up system to restore communication services in emergency situations.

A powerful payload of 800 MHz in Ku band, especially designed to provide coverage to Greenland, will be embarked in HISPASAT's Amazonas Nexus satellite, which is currently under production by Thales Alenia Space and is planned to be launched in the second half of 2022. The dedicated mission will be known as **Greensat**. The name underscores the parties' long-term strategic partnership to provide huge improvements for Greenland's most remote communities.

### Connectivity for 100% of Greenland's population

Over the last ten years, Tele Greenland has invested heavily in submarine fiber cables and a microwave system, which provide high speed, flatrate internet to more than 92% of the population of the region. However, there are more isolated towns where the quickest and most efficient solution is connection via satellite.

"It is a great milestone for us to be able to announce that Greenland will be getting part of a satellite, which will be sent out into space and future proof the satellite connection in the whole country. Our technicians, partners, and suppliers are working hard to ensure that we can deliver a better solution for our customers, and it is amazing to think that we are working on solutions in space as well as on earth, at different destinations in Greenland, to ensure better solutions for our customers. Satellite connections do not have the same high speed and quality as the submarine cable and radio chain on the west coast. It is therefore important for us to invest in technology solutions that can benefit all of Greenland" says CEO Kristian Reinert Davidsen, Tele Greenland.

"We are very proud in Greenland that this specific capacity will be called Greensat, as it has really been the missing piece in our puzzle to secure connections all over the country. Even for the small population in our remote communities we need improved capacity to provide Internet connectivity for education, health and government services, and of course for entertainment."

## Long-term strategic agreement

Miguel Ángel Panduro, CEO of HISPASAT, has hailed the importance of this strategic agreement “which means the start of a long-term relationship with Tele Greenland who we would like to thank for their trust in HISPASAT in choosing us as a communications service provider for Greenland”, he stated. Panduro highlighted the versatility and robustness that characterise satellites, “the only infrastructure capable of bringing high-quality connectivity to the most remote or inhospitable locations, from the Amazon jungle to the polar regions.”

Building infrastructure and providing internet services to Greenland via satellite is a challenge in itself. Very low levels of geo-stationary satellite elevation far north of the Arctic Circle combined with extreme winds, snowfall, and very low winter temperatures create a very demanding environment for the ground equipment. GreenSAT will therefore be accompanied by significant investments in ground stations and local 4G access.

## Amazonas Nexus satellite

The Amazonas Nexus is a High Throughput Satellite (HTS) designed with an innovative architecture that combines Ku and Ka bands to optimize communications and multiply the capacity available for commercial use. The satellite will also feature a latest generation Digital Transparent Processor (DTP), a technological advance that will be able to digitally process the satellite's received signals and increase its flexibility in orbit. The new, state of the art satellite will have coverage over the entire American continent, the North and South Atlantic corridors (both areas with major aerial and maritime traffic) and Greenland. The satellite position at 61º West is ideally located to reach even the northernmost villages in the region.

## About Tele Greenland (branded in Greenland as ‘TELE-POST’)

Tele Greenland is a government-owned telecommunications provider that owns and operates a submarine fiber network that connects Greenland to Iceland and Canada, an extensive microwave network, satellite ground stations and local fixed and wireless access networks to provide Greenland’s 56.000 inhabitants and a range of special customers modern and affordable connectivity. Tele Greenland operates under certain universal service obligations and monopoly concessions for telco infrastructures and cell services.

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## About HISPASAT

HISPASAT, Red Eléctrica Group’s communications satellite operator, is a world leader in content distribution in Spanish and Portuguese speaking countries and its satellite fleet is used by important direct-to-home television (DTH) and high-definition television (HDTV) digital platforms. HISPASAT also provides satellite broadband and connectivity services, which include broadband access, mobility and backhaul networks, in addition to other added value solutions for governments, companies and telecommunication operators in America, Europe and North Africa. HISPASAT –which is comprised of companies that have a presence in Spain as well as in Latin America, where its Brazilian affiliate HISPAMAR is based– is one of the world's largest companies in its sector in terms of revenue, and the main communications bridge between Europe and the Americas.

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