


PARTNERING TO MEET DIGITAL INCLUSION GOALS


Citizens living in hard-to-reach areas call on their governments and telco providers to meet universal service obligations by bringing high-quality internet to their homes and businesses. Tusass, Greenland's sole telecommunications operator, approached SES to design and provide a network solution to deliver high-performance connectivity to under-served customers in the East coast.

THE IMPACT OF FIBRE-LIKE CONNECTIVITY


Democratising access to next-generation digital technologies is key to driving economies forward. Yet, low speed, pay-per-use data plans have prevented customers in the East coast from taking advantage of these services—which significantly improve their quality of life and business outcomes.




E-HEALTH
Enabling residents to see medical care providers from afar




E-COMMERCE
Helping retailers simplify operations and grow their business online



E-EDUCATION
Connecting students to virtual classrooms year-round



VIDEO STREAMING
Bringing high-quality live and on-demand entertainment to homes



E-GOVERNMENT
Helping public officials operate in closer collaboration with citizens

OVERCOMING SERVICE DELIVERY CHALLENGES

Due to Greenland's complex geography and climate, satellite is the best solution to connect its remote communities and settlements on the East coast.

2.1M SQ KM
landmass with very few interconnecting roads

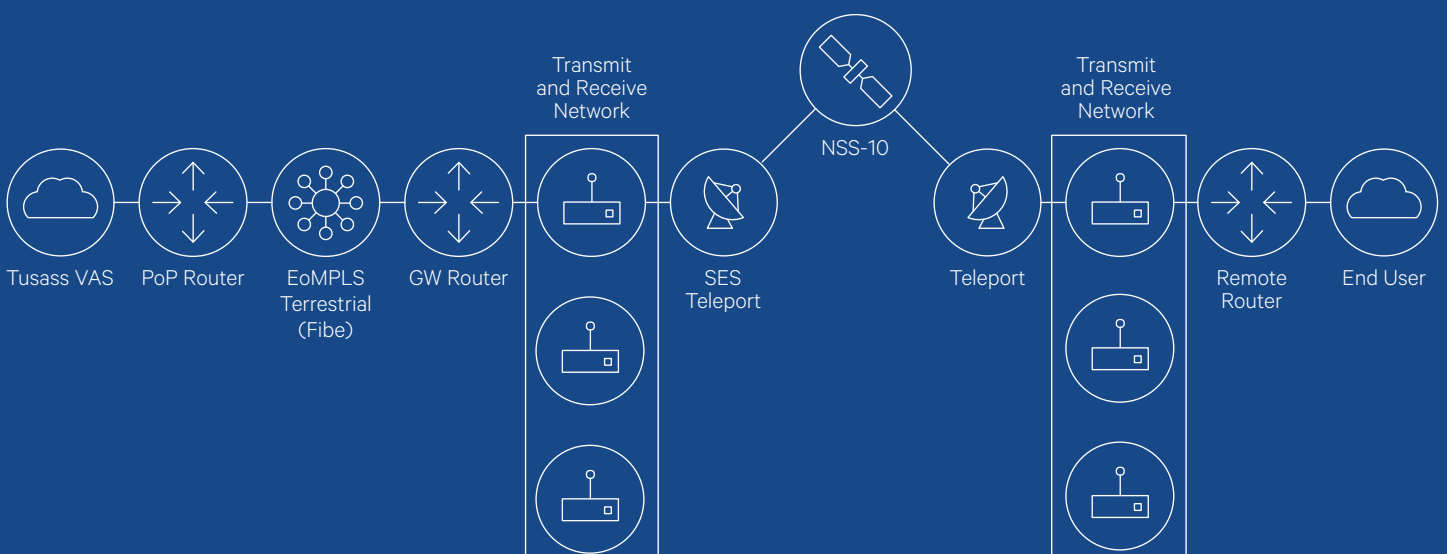
60,000
residents dispersed across many small settlements

-25°C
winters with winds up to 200km/hour

ENABLING LTE NETWORKS

Our IP transit solution tripled the capacity the East coast receives, and supports cost-effective flat-rate billing.

- 1 | Our NSS-10 geostationary (GEO) satellite connects two East coast ground stations to an SES partner teleport
- 2 | The full duplex link delivers 1.4Gbps to both ground terminals
- 3 | Last-mile connectivity is distributed to residents via 4G and LTE signals
- 4 | Advanced weatherproof ground stations co-developed with Tusass ensure we meet robust Service Level Agreements



O3b mPOWER

MEETING FUTURE CONNECTIVITY REQUIREMENTS

No matter where they live, your customers' bandwidth demands continue to grow. Our next-generation O3b mPOWER system is designed to help telcos extend networks to reach new markets and enable essential network services. The terabit-level satellite system can deliver uncontended bandwidth levels that ensure even users in highly remote locations can benefit from services enabled by 5G and the cloud.



NEW LEVELS OF SCALE
High-throughput services scalable to multiple gigabits per second support increasingly large data demands from end-users.



NETWORK RESILIENCE AND SECURITY
Jamming and interception resistance and the ability to land traffic at government-owned gateways ensure maximum information security.



NEW POSSIBILITIES
Low-latency and high-throughput connectivity optimised for businesses, government organisations, and residential end-users with varying requirements.



CLOUD-SCALE CONNECTIVITY
Low-latency performance and dedicated, private connections from remote sites to the nearest cloud data centre support time-sensitive cloud workloads.



UNMATCHED FLEXIBILITY
Flexible bandwidth allocation on forward and return links enables capacity in line with changing mission requirements.



PROVEN TECHNOLOGY
O3b mPOWER is the only non-geostationary orbit (NGSO) solution based on commercially and operationally proven technology.