

Nelco and Telesat complete successful LEO demonstrations in India for Enterprise, Telecom and Government sectors

Telesat Lightspeed satellite network will deliver affordable, fibre-like broadband to bridge the digital divide across India and the rest of the world.

National and Ottawa, Canada, 18th May 2022: Nelco, India's leading and fastest growing satellite communication service provider, and [Telesat](#) (NASDAQ and TSX: TSAT), a leading global satellite operator, have successfully conducted their first in-orbit demonstration of high-speed broadband connectivity in India with Telesat's Phase 1 Low Earth Orbit (LEO) satellite, marking yet another milestone for bringing next-generation satellite communication technologies to the country.

The testing campaign was conducted from April 25th to 29th 2022 at Nelco's Mahape teleport and leveraged an 85-cm Intellian parabolic antenna to connect to Telesat's Phase 1 LEO satellite. Over 50 representatives from enterprise and telecom companies and government departments participated in the live testing and proof-of-concept demonstration, witnessing high-speed, fibre-like performance with 35 millisecond roundtrip latency. A wide range of cloud-based applications were demonstrated including real-time video conferencing over Microsoft Teams, as well as YouTube and Live TV video streaming.

Globally, the satellite communications industry has been growing at a rapid pace owing to exponential growth in IP traffic demands and advancements in space-based technologies. LEO satellites will revolutionise satellite connectivity and bring transformational capabilities to enterprise, telecom, maritime and aviation customers across all regions & terrains in the country. Nelco, in partnership with Telesat, plans to serve existing and new market segments to enable broadband connectivity for low latency applications with Telesat Lightspeed services.

Telesat Lightspeed is an advanced, enterprise-class satellite network that leverages Telesat's innovative architecture and global Ka-band priority spectrum rights. The [Telesat Lightspeed satellites](#) incorporate next-generation technologies, including data processing in space, advanced phased array antennas, reconfigurable beams and optical inter-satellite links for a fully interconnected global mesh network in space. Acting as a virtual fibre network, Telesat Lightspeed MEF-certified, Layer 2 transport services can deliver hundreds of Mbps to a terminal, and multiple Gbps to a community. Telesat Lightspeed will provide complete coverage of India and superior connectivity, subject to the necessary regulatory clearances.

Speaking on this new development, Mr. P J Nath, MD & CEO of NELCO said, "This is truly an exciting time for the Satcom industry and Nelco. With this successful test, we are confident of bringing Telesat Lightspeed LEO satellite communication services to India. This will help in addressing the need of the market for fibre-like connectivity in the remotest parts of the country with high reliability and flexibility of satellite communication. Telesat Lightspeed services will deliver significant benefits for applications like 4G/5G backhaul, mobile hotspots, telemedicine, village connectivity and more."

"Designed for secure, high throughput, low-latency connectivity, Telesat Lightspeed will bring unsurpassed flexibility and capabilities for enterprise applications and extend the reach of terrestrial networks throughout India," stated Glenn Katz, Telesat's Chief Commercial Officer. "Telesat Lightspeed will help close the digital divide in remote and challenging locations, accelerate 4G & 5G expansion, and set new levels of performance for enterprise, telecom, mobility and government broadband connectivity on land, air and sea."

PRESS RELEASE

About Nelco -

Nelco Ltd, a part of the \$110 bn Tata Group, is a leading Satellite Communication Service Provider in India, providing highly reliable data connectivity solutions across the country mainly for the Enterprise sector as well as for Aero IFC and Maritime. It has been playing an important role in the development and growth of important industry segments like Banking & Financial Services, Renewable Energy, Mining, offshore Oil & Gas exploration etc., by providing Satcom services for business-critical applications in the remotest locations. Nelco continuously strives in adopting wide ranging and latest Satcom technologies to build world-class infrastructure and services for catering to the varied needs of its customers.

Nelco is listed on BSE and NSE in India.

For more information, visit www.nelco.in and follow on [LinkedIn](#) or Twitter [@NelcoIndia](#).

About Telesat –

Backed by a legacy of engineering excellence, reliability and industry-leading customer service, Telesat (NASDAQ and TSX: TSAT) is one of the largest and most successful global satellite operators. Telesat works collaboratively with its customers to deliver critical connectivity solutions that tackle the world's most complex communications challenges, providing powerful advantages that improve their operations and drive profitable growth.

Continuously innovating to meet the connectivity demands of the future, Telesat Lightspeed, the company's Low Earth Orbit (LEO) satellite network, will be the first and only LEO network optimized to meet the rigorous requirements of telecom, government, maritime and aeronautical customers. Operating under its international priority Ka-band spectrum rights, Telesat Lightspeed will redefine global satellite connectivity with ubiquitous, affordable, high-capacity links with fibre-like speeds. For updates on Telesat, follow us on [Twitter](#), [LinkedIn](#), or visit www.telesat.com.

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These forward-looking statements are based on Nelco's current expectations and are subject to a number of risks, uncertainties, assumptions. These statements are not guarantees of future performance which are subject to various other factors, some of which are beyond Nelco's control and are difficult to predict, and could cause actual results to differ materially from those expressed or forecasted in the forward-looking statements.