

Terrestar Solutions Inc. leads the way  
on telecom's next frontier:

# SATELLITE-TO- SMARTPHONE AND DEVICE SERVICES



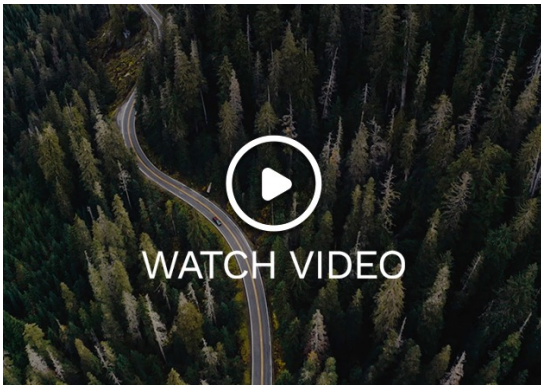
**Terrestar**  
solutions



# Revolution in global communication

From humble beginnings, mobile phones have ignited a revolution in global communication, becoming a cornerstone of modern society. These devices have since evolved into versatile multimedia marvels, fundamentally reshaping our daily lives. However, one critical frontier remains: ensuring universal and seamless access to mobile services.

The era of closely guarded satellite technologies linked to expensive, proprietary handsets is now fading. Leading the charge in satellite-to-smartphone connectivity is Terrestrial Solutions Inc., a Canadian operator at the forefront of innovation. Terrestrial revolutionizes connectivity with its groundbreaking Direct-to-Device (D2D) technology, complementing the need for traditional cell towers.



**This advancement is a game-changer, especially in Canada, where over 75% of the landmass lacks terrestrial network reach.**

Terrestrial's geostationary satellite works in tandem with terrestrial networks, filling gaps in remote and underserved areas, effectively eliminating cellular 'dead zones'. Its innovative D2D solution is propelled by recent technological advances and the incorporation of satellite frequency bands (S-band) into mobile telecom protocols.

This breakthrough not only bridges the mobile divide but also propels the expanding Internet of Things (IoT) transformation across diverse sectors such as agriculture, medicine, utilities, forestry, shipping, transportation, connected vehicles, and first responders by extending its reach. One of D2D's remarkable cost-effective features is eliminating the need for extensive infrastructure investments.

This agility enables mobile carriers to swiftly expand their service offering and maintain a competitive edge. Major Canadian mobile network operators have already expressed interest in Terrestar's D2D concept, recognizing its potential to revolutionize the mobile industry.

The global D2D market, projected by GSMA (Global System for Mobile Communications Association) Intelligence to skyrocket to an astounding USD 30 billion by 2035, underscores the vast potential that Terrestar is poised to tap. This meteoric rise in market value underscores the surging demand for seamless and direct communication between devices. Terrestar stands strategically positioned to leverage this trend, aligning perfectly with its cutting-edge D2D technology and commitment to redefining connectivity.



**Terrestar's strategic positioning in the telecommunications landscape is fortified by a meticulously assembled, seasoned leadership team, whose collective expertise spans the realms of satellite technology, telecommunications, and market strategy.**

This formidable combination of talent not only equips the company with the acumen to navigate the intricacies of the industry but also empowers it to take bold strides towards pioneering the delivery of direct satellite-to-mobile coverage not only in Canada but potentially on a global scale. This visionary initiative seamlessly aligns with the rapidly evolving telecom standards, propelling Terrestar to the forefront of innovation and connectivity.

With the advent of a cutting-edge, cost-effective spacecraft technology model, Terrestar is poised to revolutionize its direct-to-device services. Through the development of a dynamic Low Earth Orbit (LEO) constellation in collaboration with partners, the company is set to evolve and enhance satellite communications. This strategic initiative ensures that access to reliable and high-quality mobile services will become a reality, even in the most remote and underserved regions.

Terrestar stands at the forefront of the telecommunications landscape, boasting a distinct competitive edge that sets it apart from its peers. Unlike its competitors who are yet to launch their satellites, Terrestar will leverage its existing satellite assets to establish a robust foundation. What truly distinguishes Terrestar is its innovative business model, a departure from the industry norm. While rivals technology is proprietary and based on terrestrial spectrum requiring deals with Mobile Network Operator (MNO), Terrestar stands firm with its comprehensive approach.



**Armed with the essential spectrum, a fully operational satellite, and a cutting-edge network technology, Terrestar is poised to revolutionize the connectivity landscape, promising seamless and reliable services to its clientele.**



This unique amalgamation of assets positions Terrestar as a trailblazer in the industry, ready to lead the charge towards a new era of telecommunications.

Terrestar's President and CEO, Jacques Leduc, a driving force behind the Fido cellular brand, and Executive Chairman André Tremblay, former head of Microcell Telecommunications, bring a wealth of experience to the helm. Their shared vision is rooted in democratizing wireless services, offering uninterrupted connectivity to underserved and unserved regions.

Beyond driving the smart economy, Terrestar recognizes digital access as a vital tool in addressing socio-economic challenges and dealing with natural disasters. Terrestar's D2D services stand as a beacon of reliability and accessibility.

In partnership with key players, Terrestar is accelerating the implementation of its D2D project, a testament to the company's commitment to innovation. Rigorous testing of D2D-enabled handsets from reputable manufacturers are currently underway, showcasing Terrestar's dedication to seamless user experiences.



**At the forefront of this technological breakthrough is the digital platform, which is not only revolutionizing the way every-day devices communicate and collaborate but also proving to be a pivotal enabler for the burgeoning IoT ecosystem.**

This new platform's unparalleled capacity to ensure reliable communication and precise tracking, particularly in areas where conventional networks tend to falter, empowers a wide array of sectors.

This transformative impact extends across various industries, from optimizing agricultural practices to enhancing the efficiency of forestry management. It offers innovative solutions to challenges that were once considered insurmountable, solidifying its position as a cornerstone of the evolving technological landscape.

A proud Canadian company, Terrestar is dedicated to sustainable practices, environmental stewardship and community enrichment, integral values woven into its corporate ethos. Since the launch of its Strigo™ mobile satellite service in March 2020, Terrestar has made it accessible to non-profit and First Nations organizations, a testament to the Company's strong sense of responsibility towards the welfare and progress of the communities it serves.



**These collaborative endeavours stand as a testament to Terrestar's enduring legacy of effecting positive change on a global scale.**

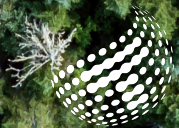
Looking to the future, Terrestar's Strigo brand is poised to embark on an ambitious trajectory. Its primary objective is to develop an innovative digital platform that enables the seamless provision of voice, chat, email, and text messaging capabilities.

This initial foray into enhancing communication is just the tip of the iceberg, as Strigo's roadmap envisions seamless integration of voice capabilities and a plethora of other innovative features. This strategic evolution is underpinned by a resolute commitment to meeting the dynamic needs of a rapidly advancing digital landscape.



Our mission

**TO MAKE 'ANYWHERE-IN-CANADA'  
COMMUNICATIONS A REALITY  
BY ENABLING SEAMLESS MOBILE  
TO SATELLITE COMMUNICATION  
SERVICES TO EVERYDAY  
DEVICES AND IoT.**



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