



GLOBAL INVACOM GROUP LIMITED
(Incorporated in the Republic of Singapore)
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Global Invacom Unveils Fully Modular Auto-deploy XY Antenna for Multi-orbit Mission Critical Applications

Singapore, 19 August 2025: Global Skyware, part of the Global Invacom Group, has unveiled its XY antenna. Ideally suited for rapid response, mission critical applications, the XY offers users the highest degree of modularity, flexibility and simple assembly for on-the-move and on-the-pause connectivity.

The XY antenna allows multi-orbit capability across Geostationary Earth Orbit Satellite (**"GEO"**), Low Earth Orbit (**"LEO"**), Medium Earth Orbit (**"MEO"**) and High Earth Orbit (**"HEO"**). It can be switched between the high frequency Ka- and Ku-bands and can also be operated using outdoor or indoor control systems, depending on user requirements.

The antenna's integrated system is unique on the market today, with no requirement for the transportation of multiple discrete feed elements and radio frequency (**"RF"**) units. This is all packaged into a transceiver that is attached to the back of the antenna reflector. The use of a transceiver brings huge advantages in terms of reduced size, weight, power and cost (**"SWaPC"**). It packs the equivalent of multiple Block Up Converters (**"BUCs"**), Low-Noise Block Down Converters (**"LNBs"**) and ports into one neat package.

Highly suitable for government and defence applications, the antenna is exempted from restrictions under the International Traffic in Arms Regulations (**"ITAR"**) and is World Geodetic System (**"WGS"**) compliant. Hardened to enable it to function in the most extreme environments, it is also available with a Digital Intermediate Frequency Interoperability (**"DIFI"**) interface or hosted software defined modems, supporting multi network capability and the virtualisation of satcoms ground infrastructure. The XY antenna is packaged such that it is also compliant with International Air Transport Association (**"IATA"**) requirement, as well as being easy to handle and transport on aircraft.

Robert Potter, Chief Technology Officer at Global Invacom said: "The XY antenna is our most innovative antenna to date: lighter, smaller and includes the use of a transceiver rather than discrete RF, which results in a significantly more compact system. During the development process, we have taken every step to ensure that this antenna delivers for the user. It's incredibly flexible, easy to use and highly reliable enabling it to adapt to many different user profiles."

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About Global Invacom Group Limited

Global Invacom Group comprises a number of companies specialising in innovative technology, products and solutions for the satellite ground equipment sector. Uniquely, the Group provides fully integrated manufacturing for most of its product lines providing additional quality and supply chain assurance to a global blue-chip customer base in the satellite communications, satellite TV and satellite navigation markets.

The Group has an established global presence with sales offices, research and development centres and manufacturing facilities across the world, including Singapore, China, Indonesia, the Philippines, Malaysia, Israel, the UK, and the USA.

Global Invacom Group Limited is listed on the Mainboard of the Singapore Exchange Securities Trading Limited.

For more information, please refer to www.globalinvacom.com

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Glossary of Terms

GEO	Geostationary Orbit, which is a circular orbit above the Earth's equator at a specific altitude (approximately 35,786 km).
LEO	Low Earth Orbit, to a region of space close to Earth's surface, typically ranging from 160 to 2,000 kilometers (about 100 to 1,200 miles). It's a popular location for satellites due to its accessibility and the lower energy requirements for reaching it compared to higher orbits. Satellites in LEO orbit at high speeds, completing orbits in roughly 90 minutes to 2 hours
MEO	Medium Earth Orbit refers to a specific region in space situated between LEO and GEO. MEO satellites occupy an altitude range typically between 2,000 to 20,000 kilometres (1,243 to 22,300 miles) above the Earth's surface. MEO satellites are commonly known for their significant role in global navigation systems, with the most prominent example being the Global Positioning System (GPS). These satellites form a constellation that provides precise positioning, navigation, and timing services to users worldwide. By deploying multiple satellites in MEO, the GPS system ensures that a sufficient number of satellites are visible from any given location on Earth, enabling accurate positioning and navigation capabilities.
HEO	HEO refers to High Earth Orbits, geocentric orbits with an apogee (farthest point from Earth) beyond the geosynchronous orbit, which is 35,786 kilometers (about 22,236 miles) from Earth's surface. Essentially, any orbit above this altitude is considered a High Earth Orbit.
BUC	Block-Up Converters are devices used to convert low frequency signals to high frequency RF signals for transmission to a satellite.
LNB	A Low Noise Block Converter collects the radio waves from a satellite and converts them to a signal sent to a modem at the endpoint through a cable.
ITAR	The International Traffic in Arms Regulations is a set of USA Government regulations that control the import and export of defense products. The purpose of ITAR is to safeguard national security, and to further USA foreign policy interests.

WGS	Wideband Global SATCOM Satellite is the backbone of the U.S. military's Wideband satellite communications capability. WGS provides worldwide, flexible, high-capacity communications for US Government Agencies, Department of Defense (DOD), multiple International Partners and the North Atlantic Treaty Organization (NATO).
DIFI	In the context of satellite and space technology, stands for Digital IF Interoperability. It refers to the Digital Intermediate Frequency Interoperability Consortium , an industry group focused on establishing a standard for interoperable digital IF/RF (Intermediate Frequency/Radio Frequency) technology. This standard aims to facilitate the digital transformation of the satellite and space industries by enabling seamless integration of digital IF/RF signals between different systems and vendors, ultimately boosting network agility, scalability, and reducing costs.
IATA	The International Air Transport Association is a trade association for the world's airlines. It represents around 300 airlines, comprising 94% of international scheduled air traffic. IATA aims to promote cooperation among airlines, facilitate the development of regulations, and ensure the safety, efficiency, and sustainability of air transport.