

ELERA




inmarsat

Inmarsat ELERA is a global narrowband network delivering new innovations for global mobility customers

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Inmarsat Takes Another Leap Forward with ELERA, the Global Network for IoT, Safety and Mission Critical Connectivity

Inmarsat ELERA will be a catalyst for the next wave of world-changing technologies and is ideally suited for the Internet of Things and the billions of devices that are being connected every year

Inmarsat ELERA builds on the company's global leadership in L-band satellite services with breakthrough technologies that will deliver unparalleled L-band speeds and the smallest, low-cost user terminals, underpinned by Inmarsat's

record for reliability, resilience and availability

Inmarsat ELERA will help ensure the world works better for decades to come, by delivering vital services already trusted by businesses and governments worldwide to drive operational efficiency and effectiveness, while protecting people, assets, data and our environment

ELERA will be a key component of Inmarsat ORCHESTRA, a world first network that will combine GEO, LEO and 5G into one harmonious solution

12.08.21

In its second major announcement in two weeks, Inmarsat is today unveiling [Inmarsat ELERA](#); a global narrowband network that is ideally suited to the rapidly evolving world of the Internet of Things (IoT) and for global mobility customers, including aviation, maritime, governments and select enterprises.

“ELERA is perfectly suited to the needs of the connected IoT world,” said Rajeev Suri, CEO, Inmarsat. “Global reach, extraordinary resilience, faster speeds, smaller and lower cost terminals are all part of ensuring that we remain ahead of others in meeting the needs of our customers.”

“ELERA is a further sign of a company with true momentum and one that is delivering new innovations and strong performance,” continued Suri. “I expect that Inmarsat will grow strongly in 2021 compared to the previous year, and that growth will span most of our business units. Our progress was evident in the first half, where we saw strong growth in revenue and EBITDA and robust cash flow. We have sharpened our strategy to focus on driving growth, accelerate decision making, launch new innovations, and are creating a more commercially focused, customer-centric culture.”

ELERA builds on Inmarsat’s #1 position in Mobile Satellite Services (MSS) and will be a springboard for innovation, unlocking, accelerating and scaling pioneering use cases on land, at sea and in the air. Its foundation is Inmarsat’s world class L-band network and incorporates new innovations ranging from higher speeds to smaller, low cost terminals and [the previously announced] Inmarsat-6 satellites, the first of which (I-6 F1) is scheduled to

launch before the end of the year.

Coming just 14 days after Inmarsat announced ORCHESTRA, the world's first network to combine GEO, LEO and 5G into one harmonious global communications solution, **ELERA** underlines Inmarsat's strategic focus on the global mobility segment of satellite communications. It is also a signal of a company with momentum, delivering major technological innovations and growth.

The unique capabilities of **ELERA**, combined with Inmarsat's superior spectrum and the ideally suited orbital position of its satellite networks, will make it the essential catalyst for new IoT use cases, across everything from autonomous transport and unmanned aerial vehicles (UAV) to industrial and agricultural IoT applications.



[Watch video on YouTube here](#)

ELERA Innovation

ELERA is built on Inmarsat's market leading L-band network, which already delivers the world's most reliable and flexible global connectivity service with unique resilience in all conditions and full global redundancy. It supports everything from worldwide maritime and aviation safety services and humanitarian missions to IoT applications across agritech, transportation and utilities, among many others.

The new innovations that the company is investing in to bring to market in

the near future include spectrum management technology to deliver L-band speeds up to 1.7Mbps, the smallest footprint, low cost L-band terminal and two new L-band satellites, which are the largest and most sophisticated commercial communication satellites ever created.

The new spectrum management capabilities (known as Carrier Aggregation) being incorporated into the ELERA network will deliver the fastest speeds globally available to L-band customers, far outstripping the capabilities of any other worldwide L-band network.

Live customer trials in commercial aviation are scheduled to start during the course of 2022 and this technology will be rolled out across a range of sector specific applications for Inmarsat's mobility, government and IoT customers over the coming few years.

ELERA will also see the creation of the smallest footprint, low cost terminal for L-band users, delivering the ideal framework for satcom IoT at scale, with supporting cloud-based management, for vertical sectors such as infrastructure, rail, logistics, mining, agriculture, government, maritime and aviation.

Inmarsat is launching two new satellites to enhance the ELERA network. The I-6 satellites, the first of which is scheduled to launch at the end of 2021, are the largest and most sophisticated commercial communications satellites ever built.

The L-band capacity on each I-6 satellite will be substantially greater than Inmarsat's 4th generation spacecraft and, among other enhancements, they will deliver 50% more capacity per beam; meaning that much more data can be carried over the same geographical area, in addition to unlimited beam routing flexibility.

ELERA will also deliver a major extension to Inmarsat's portfolio of voice-enabled devices, bringing new capabilities and innovations to hundreds of thousands of customers. This initiative represents our commitment to voice service innovation and underlines the company's long-term commitment to the handheld voice services over satellite market.

"ELERA is the exciting vision of how Inmarsat is planning to transform the

capabilities offered to IoT and mobility customers for years to come and confirms our long-term commitment to L-band services. We will be sharing further detail on these innovations with our partner community in the coming months and continue our programme of announcements as we achieve major milestones.” said Rajeev Suri, CEO, Inmarsat.

The investments in ELERA are already included in Inmarsat’s current CAPEX plans and guidance.

ENDS

Notes to Editors:

Yachting and superyacht media are welcome to use the following quotes from Ronald Spithout, Inmarsat Maritime, President. A portrait image of Ronald Spithout is available at the end of this release.

Ronald Spithout said: “The investment in ELERA and the confirmation of Inmarsat’s long-term commitment to global L-band services is hugely significant for the yachting and leisure marine industries, inspiring new possibilities for our customers across a range of sectors, from superyachts and explorer vessels, to bluewater and coastal cruising yachts, to professional and amateur racing yachts, to sports fishing boats. Creating a future for boat owners, sailors and crew in which leaving it all behind does not have to mean being disconnected, the breakthrough technologies enabled through Inmarsat ELERA will deliver unparalleled L-band speeds and the smallest, low-cost user terminals, building on the renowned reliability, resilience and global availability of our L-band satellite network. As an integral component of our newly announced communications network, ORCHESTRA, Inmarsat ELERA will keep yachters in touch with friends and family, provide access to weather reports and navigation charts, enable email and business-critical applications, and enhance crucial safety-of-life communications at sea, wherever they are voyaging.”

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ABOUT INMARSAT

[Inmarsat](https://www.inmarsat.com) is the world leader in global, mobile satellite communications. It owns and operates the world's most diverse global portfolio of mobile telecommunications satellite networks, and holds a multi-layered, global spectrum portfolio, covering L-band, Ka-band and S-band, enabling unparalleled breadth and diversity in the solutions it provides. Inmarsat's long-established global distribution network includes not only the world's leading channel partners but also its own strong direct retail capabilities, enabling end to end customer service assurance.

The company has an unrivalled track record of operating the world's most reliable global mobile satellite telecommunications networks, sustaining business and mission critical safety and operational applications for more than 40 years. It is also a major driving force behind technological innovation in mobile satellite communications, sustaining its leadership through a substantial investment and a powerful network of technology and manufacturing partners.

Inmarsat operates across a diversified portfolio of sectors with the financial resources to fund its business strategy and holds leading positions in the Maritime, Government, Aviation and Enterprise satcoms markets, operating consistently as a trusted, responsive and high-quality partner to its customers

across the globe.

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