



NEWS RELEASE

CLASSIFICATION: PUBLIC

DIMETOR JOINS VELARIS PARTNER NETWORK TO CREATE AFFORDABLE, EFFICIENT BVLOS UAV SOLUTION

The latest partnership in Inmarsat's Velaris Partner Network will create an affordable and efficient solution for Beyond Visual Line of Sight (BVLOS) UAV operators

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[Dimetor](#), a developer and provider of safe UAV operations in cellular radio spaces, has announced it is the latest partner to join Inmarsat's [Velaris Partner Network](#). Dimetor's [AirborneRF](#) solution and Inmarsat's satellite communications capabilities will be brought together to create a connectivity data platform that can reliably control UAVs within a three-dimensional airspace safety corridor.

Dimetor's [AirborneRF](#) brings together live radio network data from terrestrial mobile network operators (MNO) with UAV airspace control systems. By adding Inmarsat's Velaris satellite communications capabilities, UAV operators will have access to integrated terrestrial and space-based datalink communications for least-cost, high reliability data routing at any place, any time, allowing UAVs to be reliably controlled within a three-dimensional airspace safety corridor.

Using the latest high-performance computational technologies and Inmarsat's communications spectrum, Dimetor will aggregate 4G and 5G data for flight planning, risk assessment, flight clearing and operation, adding satellite communications to its data visualisation to calculate and display routes that provide the best coverage to support flight plans. This will achieve an assured 99.9% uptime in all types of weather and satisfy regulatory requirements through dual dissimilar redundancy.

As part of its UAV roadmap, Inmarsat will introduce a combined L-band satcom and LTE hybrid terminal that will be integral to the delivery of the solution. The newly-developed terminal will create integrated terrestrial and satellite communications that provides an affordable solution for UAV operators.

Thomas Wana, Dimetor's CTO and Co-Founder, said: "Our partnership with Inmarsat is a key milestone in progressing BVLOS solutions for UAV operators. Together, we are working to expand and bring AirborneRF to the market, combining our capabilities and expertise to create a platform that caters to the evolving wants and needs of customers. We're excited to see what we can achieve as part of the Velaris Partner Network, and look forward to close collaboration with the Inmarsat team for years to come."

Inmarsat's Anthony Spouncer added: "Partnering with Dimetor is a crucial next step in the development of accessible Beyond Visible Line of Sight UAV solutions, particularly those that come at an attainable price point without compromising on reach and quality of coverage. The combination of 4G and 5G with Inmarsat's highly reliable, always-on ELERA network, visualised by AirborneRF, will be the best way to efficiently plan Line of Sight (LOS) and BVLOS operations. This will be a game changer for the industry, offering world-first technologies within an affordable and efficient solution for UAV operators."

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ABOUT DIMETOR

[Dimetor](#) is a software company bridging the data gap between communications service providers (CSPs) and the aviation eco-systems. Through its world-leading platform [AirborneRF](#), they help provide supplementary data and automated processes critical for safe BVLOS drone operations.

AirborneRF focuses on (a) the 3D corridors in space that have sufficiently good connectivity for drone operations (e.g. for networked remote ID, command and control, payload communication), and (b) the population density for ground risk assessment, based on anonymized cellular mobility data. By using these dynamic data sources for process automation and digital SORA (Specific Operations Risk Assessment), it enables a wide range of drone application and use cases at scale.

Deployed already by globally leading communication service providers, and integrating with aviation and drone management systems such as UTM/ATM/FIMS, AirborneRF also provides live notifications from the CSP networks in case of any issue during flight operation may occur.

For further information on AirborneRF, follow: [Twitter](#) | [LinkedIn](#) | [Facebook](#) | [YouTube](#).

ABOUT INMARSAT

[Inmarsat](#) 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 & 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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