



## News Release

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### **Ball Aerospace and Stellar Blu Solutions Developing New Antennas to Deliver High Speed, Reliable In-Air Connectivity**

**BROOMFIELD, Colo.**, Mar. 21, 2021 — Ball Aerospace and Stellar Blu Solutions (Stellar Blu) are collaborating to bring a series of Ku-band satellite communications (SATCOM) terminals to the in-flight connectivity market. The terminals will provide highspeed, reliable broadband connectivity for regional, narrow and wide body aircraft. The terminals are optimized for low earth orbit (LEO) networks but are compatible with multi-orbit constellations including various LEO, MEO and GEO configurations.

The terminals use Ball Aerospace's modular, scalable subarray products that implement electronically steered arrays (ESA), which are essential to realize the breakthrough performance on LEO networks. Stellar Blu is developing the aircraft integration package and internal avionics to support LEO, MEO and GEO networks at Ku-band.

"Fast, secure and reliable in-air connectivity has been sought after for years and this new product puts us closer than ever to achieving this goal," said Dr. Jacob Sauer, vice president and general manager, Tactical Solutions, Ball Aerospace. "The lightweight ESA terminals meet airlines' budgetary requirements and, more importantly, their technological needs including size, weight and power requirements."

ESA terminals are ideal for mobile applications, especially in-flight communications and connectivity. The speed at which aircraft move requires an antenna that can instantaneously move beams to ensure that it's always pointing at the satellite. The Stellar Blu terminal will assure operators a "purpose built" aviation solution capable of meeting the diverse airline use cases, reliability and maintainability necessary for a "gate-to-gate" experience.

"We are pleased to formally announce our relationship with Ball Aerospace," said Tracy Trent, CEO of Stellar Blu. "This announcement builds upon over two years of collaboration with airlines, network operators and a network of maintenance, repair and operations partners. We are excited to move to the production phase with Ball and our other partners, with a singular focus of product availability early next year."

Stellar Blu Solutions (Stellar Blu) develops cutting-edge connectivity, network and avionics solutions for next generation satellite networks. GDC Technics, one of the largest aircraft modification establishments in the world, launched Stellar Blu as an independent company focused on continuing the development of aircraft communications technologies for the world's leading airlines, as well as solutions for other aerospace and mobility markets. Together these firms provide turn-key inflight connectivity solutions including terminal development, aircraft integration and certification and installation packages.

Powered by endlessly curious people with an unwavering mission focus, **Ball Aerospace** pioneers discoveries that enable our customers to perform beyond expectation and protect what matters most. We create innovative space solutions, enable more accurate weather forecasts, drive insightful observations of our planet, deliver actionable data and intelligence, and ensure those who defend our freedom go forward bravely and return home safely. Go Beyond with Ball.® For more information, visit [www.ball.com/aerospace](http://www.ball.com/aerospace) or connect with us on [Facebook](#) or [Twitter](#). For more information on Stellar Blu Solutions, visit [www.stellar-blu.com](http://www.stellar-blu.com).

## **About Ball Corporation**

Ball Corporation supplies innovative, sustainable aluminum packaging solutions for beverage, personal care and household products customers, as well as aerospace and other technologies and services primarily for the U.S. government. Ball Corporation and its subsidiaries employ 24,300 people worldwide and reported 2021 net sales of \$13.8 billion. For more information, visit [www.ball.com](http://www.ball.com), or connect with us on Facebook or Twitter.

## **Forward-Looking Statements**

This release contains "forward-looking" statements concerning future events and financial performance. Words such as "expects," "anticipates," "estimates," "believes," and similar expressions typically identify forward-looking statements, which are generally any statements other than statements of historical fact. Such statements are based on current expectations or views of the future and are subject to risks and uncertainties, which could cause actual results or events to differ materially from those expressed or implied. You should therefore not place undue reliance upon any forward-looking statements and they should be read in conjunction with, and qualified in their entirety by, the cautionary statements referenced below. The company undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Key factors, risks and uncertainties that could cause actual outcomes and results to be different are summarized in filings with the Securities and Exchange Commission, including Exhibit 99 in our Form 10-K, which are available on our website and at [www.sec.gov](http://www.sec.gov). Additional factors that might affect: a) our packaging segments include product capacity, supply, and demand constraints and fluctuations and changes in consumption patterns; availability/cost of raw materials, equipment, and logistics; competitive packaging, pricing and substitution; changes in climate and weather; footprint adjustments and other manufacturing changes, including the startup of new facilities and lines; failure to achieve synergies, productivity improvements or cost reductions; unfavorable mandatory deposit or packaging laws; customer and supplier consolidation; power and supply chain interruptions; changes in major customer or supplier contracts or loss of a major customer or supplier; inability to pass through increased costs; political instability and sanctions; currency controls; changes in foreign exchange or tax rates; and tariffs, trade actions, or other governmental actions, including business restrictions and shelter-in-place orders in any country or jurisdiction affecting goods produced by us or in our supply chain, including imported raw materials; b) our aerospace segment include funding, authorization, availability and returns of government and commercial contracts; and delays, extensions and technical uncertainties affecting segment contracts; c) the company as a whole include those listed above plus: the extent to which sustainability-related opportunities arise and can be capitalized upon; changes in senior management, succession, and the ability to attract and retain skilled labor; regulatory actions or issues including those related to tax, ESG reporting, competition, environmental, health and workplace safety, including U.S. FDA and other actions or public concerns affecting products filled in our containers, or chemicals or substances used in raw materials or in the manufacturing process; technological developments and innovations; the ability to manage cyber threats; litigation; strikes; disease; pandemic; labor cost changes; inflation; rates of return on assets of the company's defined benefit retirement plans; pension changes; uncertainties surrounding geopolitical events and governmental policies, including policies, orders, and actions related to COVID-19; reduced cash flow; interest rates affecting our debt; and successful or unsuccessful joint ventures, acquisitions and divestitures, and their effects on our operating results and business generally.

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