

Ball Aerospace Teams with BAE Systems to Provide Advanced Network Communications for the U.S. Navy

BOULDER, Colo., Feb. 27, 2018 /PRNewswire/ -- Ball Aerospace will deliver multi-beam phased array antenna systems as part of a contract win by BAE Systems for the U.S. Navy Network Tactical Common Data Link (NTCDL) System.

The NTCDL system enables multiple simultaneous, high-bandwidth communications links, which greatly enhance current mission capability and ship protection, allowing for a future sensor network across the Navy. Ball is building the Ku-band phased array antenna suite for BAE Systems.

"We have worked closely with the Office of Naval Research to develop and mature the technology for these cost-effective phased array antennas which will play a critical role in the NTCDL System," said Rob Freedman, vice president and general manager, Tactical Solutions, Ball Aerospace. "This is an example of how Ball's commitment to investment in technology development and collaboration with our customer is providing warfighters with a tactical advantage."

These multi-beam planar phased array antennas are based on silicon germanium (SiGe) technologies on a single circuit board, which results in a low-profile antenna. The designs leverage technologies and manufacturing techniques developed by Ball for the commercial market. Ball's internal research and development (IRAD) investments, along with those of the Office of Naval Research (ONR), have enabled this phased array antenna capability to be available to the military market. The antennas will initially be installed on naval aircraft carriers. The system will communicate with a range of intelligence, surveillance, and reconnaissance (ISR) platforms.

This contract represents the first phase of the program which will result in low rate initial production for the hardware with corresponding engineering support. Development and production will be performed at Ball's manufacturing facility in Westminster, Colorado.

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Forward-Looking Statements

This release contains "forward-looking" statements concerning future events and financial performance. Words such as "expects," "anticipates," "estimates," "believes," "targets," "likely" 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 any of such statements 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. Additional factors that might affect: a) our packaging segments include product demand fluctuations; availability/cost of raw materials; competitive packaging, pricing and substitution; changes in climate and weather; competitive activity; failure to achieve synergies, productivity improvements or cost reductions; mandatory deposit or other restrictive packaging laws; customer and supplier consolidation, power and supply chain influence; changes in major customer or supplier contracts or a loss of a major customer or supplier; political instability and sanctions; currency controls; and changes in foreign exchange or tax rates, including due to the effects of the 2017 U.S. Tax Cuts and Jobs Act; 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 plus: changes in senior management; regulatory action or issues including tax, 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; litigation; strikes; labor cost changes; rates of return on assets of the company's defined benefit retirement plans; pension changes; uncertainties surrounding geopolitical events and governmental policies both in the U.S. and in other countries, including the U.S. government elections, budget, sequestration and debt limit; reduced cash flow; ability to achieve cost-out initiatives and synergies; interest rates affecting our debt; and successful or unsuccessful acquisitions and divestitures, including with respect to the Rexam PLC acquisition and its integration, or the associated divestiture; the effect of the acquisition or the divestiture on our business relationships, operating results and business generally.

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