

Ball Aerospace and Spire Global Collaborate on Arctic Maritime Domain Awareness

Platform collects and analyzes data on maritime traffic and behavior

BOULDER, Colo., March 6, 2017 /PRNewswire/ --Ball Aerospace and Spire Global, Inc. are collaborating on a program on behalf of the National Geospatial-Intelligence Agency (NGA) to improve Maritime Domain Awareness (MDA) in the Arctic. Together, Ball and Spire are developing a data collection and analysis platform that monitors maritime traffic in the Arctic, which will enable improved awareness of vessel activity and behaviors.

"Ball and Spire's collaboration demonstrates our abilities to seamlessly deliver to NGA relevant and actionable information critical to security, safety, the economy and the environment," said Debra Facktor Lepore, Ball Aerospace's vice president and general manager, strategic operations and commercial aerospace business unit. "For more than 30 years, Ball has delivered data analysis software and systems expertise to the United States Government, and the synergies with Spire will result in commercial solutions that continue to drive maximum effectiveness and affordability for our customers."



In association with NGA, Ball and Spire will leverage two existing commercial capabilities to create accurate, near real-time pictures of maritime activity in the Arctic. Spire's constellation of nanosatellites capture Automatic Identification System (AIS) vessel tracking data over the most remote parts of the globe. The AIS data is then ingested into Ball's cloud-based data analytics architecture and fused with other commercial Geospatial Intelligence (GEOINT) data to yield detailed profiles of vessel activity and establish benchmarks in vessel behavior.

"This project will provide extraordinary insight into vessel traffic in the Arctic. Due to the remote nature of that region, Spire's nanosatellites are an excellent way of generating Arctic maritime data with both fast revisit time and low latency," said Peter Platzer, CEO of Spire. "Through the combination of our commercial nanosatellite constellation and Ball's extensive experience in data exploitation and analytics, we expect to provide NGA with substantial improvements in Maritime Domain Awareness."

NGA ensures safety of navigation in the air and on the seas by maintaining the most current information and highest quality services for U.S. military forces and global transport networks. With ship traffic through Arctic routes projected to grow 250 percent by 2025 due to melting polar ice, the collaboration between Ball and Spire addresses a critical gap in monitoring maritime vessel patterns.

Ball Aerospace (NYSE:BLL) 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. For more information, visit www.ball.com/aerospace or connect with us on [Facebook](#) or [Twitter](#).

Ball Corporation supplies innovative, sustainable packaging solutions for beverage, food 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 18,450 people worldwide and 2016 net sales were \$9.1 billion. For more information, visit www.ball.com, or connect with us on [Facebook](#) or [Twitter](#).

About Spire

Spire Global, Inc. is a leading player in the nanosatellite sector, building the world's most advanced, constantly refreshed constellation. In an industry that is used to measuring development periods in years, Spire has accelerated timelines to a period of just weeks. Spire's solutions offer organizations insights into aircraft tracking, weather & climate, shipping & supply chain and maritime domain awareness. This network of nanosatellites senses the ¾ of the planet inaccessible to most current systems which rely largely on land-based remote sensing. To learn more, visit: www.spire.com.

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; 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.

SOURCE Ball Aerospace

For further information: Media Contact: Bill Rigler, (303) 939-7104, brigler@ball.com or Investor Relations: Ann Scott, (303) 460-3537, ascott@ball.com or Media Contact: Nick Allain, (628) 221-5333, press@spire.com

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