

## **Ball Aerospace Submits Cryogenic Propellant Storage Mission Concept to NASA**

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BOULDER, Colo., Jan. 10, 2012 /PRNewswire/ -- Ball Aerospace & Technologies Corp. has submitted a mission concept study to NASA for the storage and transfer of cryogenic propellants in space.

Ball Aerospace was one of four companies awarded a six-month contract by NASA to develop a mission concept that demonstrates long duration, in-space storage and transfer of cryogenic propellants. Successful development and in-space demonstration of the technology would advance the state of the art that is required for future exploration elements such as large cryogenic propulsion stages. The Ball concept study proposes solutions to close current gaps in technology to achieve that goal.

"Ball has provided cryogenic storage technology for every human mission beginning with Gemini," said Cary Ludtke, vice president of Ball's Civil and Operational Space business unit. "NASA's future exploration architecture is well aligned with Ball's heritage for innovative solutions."

Ball has more than 40 years of experience with cryogenic spaceflight instruments and over 150 cryogenic space flights. These include NASA's Spitzer Space Telescope, the Cosmic Background Explorer, the Infrared Astronomical Satellite, and Power Reactant Storage Assembly tanks for the space shuttle program. As a leader in the analysis, design and fabrication of spaceflight cryogenic systems and components, Ball relies on its cryogenic technology strength to deliver complete flight hardware solutions and systems. A few of Ball's cryogenic product innovations include high performance and next-generation multilayer insulation (MLI), dewars and cryostats, cryocoolers, cryoradiators, as well as related components such as vapor cooled shields, struts, and high efficiency heat exchangers.

NASA will use the four contracted studies to plan and implement a future flight demonstration mission that will test and validate key capabilities and technologies. NASA's Exploration Technology Development Program is funding the studies.

Ball Aerospace & Technologies Corp. supports critical missions of important national agencies such as the Department of Defense, NASA, NOAA and other U.S. government and commercial entities. The company develops and manufactures spacecraft, advanced instruments and sensors, components, data exploitation systems and RF solutions for strategic, tactical and scientific applications. For more information visit [www.ballaerospace.com](http://www.ballaerospace.com).

Ball Corporation (NYSE:BLL) is a supplier of high quality packaging for beverage, food and household products customers, and of aerospace and other technologies and services, primarily for the U.S. government. Ball Corporation and its subsidiaries employ more than 14,500 people worldwide and reported 2010 sales of more than \$7.6 billion. For the latest Ball news and for other company information, please visit <http://www.ball.com>.

### **Forward-Looking Statements**

This release contains "forward-looking" statements concerning future events and financial performance. Words such as "expects," "anticipates," "estimates" and similar expressions are intended to identify forward-looking statements. Such statements are subject to risks and uncertainties which could cause actual results to

differ materially from those expressed or implied. 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 risks and uncertainties are summarized in filings with the Securities and Exchange Commission, including Exhibit 99.2 in our Form 10-K, which are available on our website and at [www.sec.gov](http://www.sec.gov). Factors that might affect our packaging segments include fluctuation in product demand and preferences; availability and cost of raw materials; competitive packaging availability, pricing and substitution; changes in climate and weather; crop yields; competitive activity; failure to achieve anticipated productivity improvements or production cost reductions; mandatory deposit or other restrictive packaging laws; changes in major customer or supplier contracts or loss of a major customer or supplier; political instability and sanctions; and changes in foreign exchange rates or tax rates. Factors that might affect our aerospace segment include: funding, authorization, availability and returns of government and commercial contracts; and delays, extensions and technical uncertainties affecting segment contracts. Factors that might affect the company as a whole include those listed plus: accounting changes; changes in senior management; the recent global recession and its effects on liquidity, credit risk, asset values and the economy; successful or unsuccessful acquisitions; regulatory action or laws including tax, environmental, health and workplace safety, including U.S. FDA and other actions affecting products filled in our containers, or chemicals or substances used in raw materials or in the manufacturing process; governmental investigations; technological developments and innovations; goodwill impairment; antitrust, patent and other litigation; strikes; labor cost changes; rates of return projected and earned on assets of the company's defined benefit retirement plans; pension changes; uncertainties surrounding the U.S. government budget and debt limit; reduced cash flow; interest rates affecting our debt; and changes to unaudited results due to statutory audits or other effects.

SOURCE Ball Aerospace & Technologies Corp.

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