

## **WorldView-3 Remote Sensing Spacecraft Arrives at Vandenberg Air Force Base for Mid-August Launch**

**Ball-built spacecraft significantly expands DigitalGlobe's constellation capabilities**

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BOULDER, Colo., June 27, 2014 /[PRNewswire](#)/ -- Ball Aerospace & Technologies Corp. has delivered the next-generation commercial remote sensing satellite built for DigitalGlobe, to the launch facility at Vandenberg Air Force Base, California. The WorldView-3 satellite is slated to fly aboard a United Launch Alliance Atlas 5 rocket in mid-August for DigitalGlobe, a leading provider of commercial high-resolution earth observation and advanced geospatial solutions.

The [WorldView-3](#) spacecraft passed a full suite of environmental, functional and performance tests in preparation for integration with the launch vehicle, along with thorough pre-ship reviews by Ball Aerospace and DigitalGlobe.

WorldView-3 is the first multi-payload, super-spectral, high-resolution commercial satellite for earth observations and advanced geospatial data. Operating at an expected altitude of 617 km, WorldView-3 will collect imagery with 31 cm resolution. This level of resolution performance would be fundamentally impossible without the 1.1 m aperture telescope and the primary visible/SWIR sensor built by Exelis, which allows for a breadth of applications unmatched by smaller, lower-performance satellites. DigitalGlobe recently received permission from the U.S. Department of Commerce to sell its higher resolution satellite imagery, and once WorldView-3 is operational, the company will be able to deliver imagery with significantly greater clarity and spectral depth than anything else on the commercial market.

WorldView-3 also carries a Ball Aerospace-built atmospheric instrument called CAVIS, which stands for Clouds, Aerosol, water Vapor, Ice, and Snow. CAVIS will monitor the atmosphere and provide correction data when WorldView-3 images earth objects through haze, aerosols or other atmospheric obscuring factors.

"Ball has incorporated significant data-gathering advances into this latest addition to the DigitalGlobe constellation," said Ball Aerospace President Rob Strain. "Our new CAVIS sensing instrument will provide atmospheric correction data that will increase the volume of usable imagery captured by the primary imaging sensor."

The range of customer applications enabled by the DigitalGlobe constellation is greatly expanded by WorldView-3's ability to sense both the visible spectrum as well as deeper into the infrared spectrum. Its data-rich imagery will enable customers to search for new sources of minerals and fuels, manage forests and farms, and accelerate DigitalGlobe's creation of Geospatial Big Data™ – a living inventory of the surface of the earth.

"As with our previous WorldView satellites, Ball completed the development, integration and testing of the next-generation WorldView-3 satellite as promised," said Dr. Walter Scott, Executive Vice President, Chief Technical Officer and founder of DigitalGlobe. "We look forward to the satellite's successful launch in August and to providing our customers with the most information-rich geospatial products available on the commercial market."

WorldView-3 builds upon WorldView-2 and WorldView-1 technology by carrying forward the satellites' advanced Control Moment Gyroscopes (CMGs). The CMGs reorient a satellite over a desired collection area

in 4-5 seconds, compared to 30-45 seconds needed for traditional reaction wheels. This enables the WorldView satellites to collect large areas far faster than competing satellites.

WorldView-3 is built on the high-performance Ball Configurable Platform (BCP) 5000 spacecraft, designed to provide a very stable, upgraded platform for the next-generation optical and synthetic aperture radar remote sensing payloads. The BCP 5000 platform provided for WV-3 under a fixed-price contract to DigitalGlobe implements increased power, resolution, agility, target selection, flexibility, transmission capability and data storage.

Ball Aerospace & Technologies Corp. supports critical missions for 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 <http://www.ballaerospace.com/>.

Ball Corporation (NYSE: BLL) 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 14,500 people worldwide and reported 2013 sales of \$8.5 billion. For more information, visit [www.ball.com](http://www.ball.com), or connect with us on Facebook or Twitter.

## **About DigitalGlobe**

DigitalGlobe is a leading provider of commercial high-resolution earth observation and advanced geospatial solutions that help decision makers better understand our changing planet in order to save lives, resources and time. Sourced from the world's leading constellation, our imagery solutions deliver unmatched coverage and capacity to meet our customers' most demanding mission requirements. Each day customers in defense and intelligence, public safety, civil agencies, map making and analysis, environmental monitoring, oil and gas exploration, infrastructure management, navigation technology, and providers of location-based services depend on DigitalGlobe data, information, technology and expertise to gain actionable insight.

DigitalGlobe is a registered trademark of DigitalGlobe.

## **Forward-Looking Statements**

This release contains "forward-looking" statements concerning future events and financial performance. Words such as "expects," "anticipates," "estimates" and similar expressions 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 in our Form 10-K, which are available on our website and at [www.sec.gov](http://www.sec.gov). 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; crop yields; competitive activity; failure to achieve productivity improvements or 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 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; successful or unsuccessful acquisitions and divestitures; 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 the U.S. government budget, sequestration and debt limit; reduced cash flow; ability to achieve cost-out initiatives; interest rates affecting our debt.

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