



NEWS RELEASE

Jacobs Develops Wireless Portable HD Camera System for NASA

2019-09-17

Camera system deployed during recent spacewalk on the International Space Station

DALLAS, Sept. 17, 2019 /PRNewswire/ -- **Jacobs** (NYSE: JEC), in partnership with NASA, recently achieved a milestone on August 21, 2019, as NASA astronauts successfully deployed and used a wireless high-definition camera system for the first time during their extravehicular activity outside of the orbiting International Space Station (ISS).

Designed and built by Jacobs, the **wireless camera system** is the first of its kind for the ISS. The complete camera solution allows NASA astronauts to capture video of target locations and be repositioned easily to help the crewmembers see and identify potential issues outside the station. Capable of live streaming 720p HD video, it's compatible with existing Wi-Fi systems on the station allowing signals to be sent back to Mission Control in Houston in real time. Jacobs developed the portable system using commercially available components that are both rugged and low cost.

"Our Jacobs video engineering team at the Johnson Space Center has successfully led this effort to design and build a practical and affordable camera system for use on the International Space Station," said Jacobs Aerospace, Technology and Nuclear Senior Vice President Steve Arnette. "The system may prove to become a standard for camera systems that can be used to support NASA's Artemis moon mission for landers, habitats and roving vehicles."

The ISS serves as a testbed for technology demonstrations of new capabilities and upgraded vehicle systems, which are enabling future missions. Longer and further exploration of space and critical missions will require new technologies to expand current capabilities. The HD camera system is designed to withstand the extreme space

environment outside the ISS by working inside an enclosed housing that protects the camera's sensor from becoming too hot or too cold in the thermal environment. For power, the camera uses a rechargeable battery that can operate for up to ten hours, supporting long-duration space walks.

Following further testing and development, the Portable Wireless Camera system may potentially be used in remote position locations for status and safety management during future space walks on the moon. As NASA's largest services provider, Jacobs currently helps the agency capture **remotely sensed imagery** from the ISS, including those directed at aiding in disaster response.

Jacobs leads the global professional services sector providing solutions for a more connected, sustainable world. With approximately \$12 billion in revenue and a talent force of more than 50,000, Jacobs provides a full spectrum of services including scientific, technical, professional and construction- and program-management for business, industrial, commercial, government and infrastructure sectors. For more information, visit www.jacobs.com, and connect with Jacobs on **LinkedIn, Twitter, Facebook** and **Instagram**.

Certain statements contained in this press release constitute forward-looking statements as such term is defined in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, and such statements are intended to be covered by the safe harbor provided by the same. Statements made in this release that are not based on historical fact are forward-looking statements. We base these forward-looking statements on management's current estimates and expectations as well as currently available competitive, financial and economic data. Forward-looking statements, however, are inherently uncertain. There are a variety of factors that could cause business results to differ materially from our forward-looking statements. For a description of some additional factors that may occur that could cause actual results to differ from our forward-looking statements see our Annual Report on Form 10-K for the year ended September 28, 2018, and in particular the discussions contained under Item 1 - Business; Item 1A - Risk Factors; Item 3 - Legal Proceedings; and Item 7 - Management's Discussion and Analysis of Financial Condition and Results of Operations, and our Quarterly Report on Form 10-Q for the quarter ended March 29, 2019, and in particular the discussions contained under Part I, Item 2 - Management's Discussion and Analysis of Financial Condition and Results of Operations; Part II, Item 1 - Legal Proceedings; and Part II, Item 1A - Risk Factors, as well as the Company's other filings with the Securities and Exchange Commission. The Company is not under any duty to update any of the forward-looking statements after the date of this press release to conform to actual results, except as required by applicable law.

For press/media inquiries:

Kerrie Sparks

214.583.8433

View original content to download multimedia:<http://www.prnewswire.com/news-releases/jacobs-develops->

wireless-portable-hd-camera-system-for-nasa-300918152.html

SOURCE Jacobs