

Press release

## **RTI's Connectivity Technology Selected as Part of \$1.2 Billion AUD Upgrade to Australia's Jindalee Operational Radar Network**

RTI Connex DDS Meets Advanced Connectivity and Security Requirements for the JORN Phase 6 Upgrade Program

### **SUNNYVALE (USA)/London, August 28, 2018 – Real-Time Innovations**

**(RTI)**, the Industrial Internet of Things (IIoT) connectivity company, today announced that BAE Systems Australia, the leading provider of some of the world's most advanced technology-led solutions for the Australian Defense Force, has selected RTI Connex DDS as the connectivity framework for Australia's Jindalee Operational Radar Network (JORN) Phase 6 Upgrade program. RTI's technology will be part of the modern software system that will significantly increase the radar coverage area and information gathered for the Royal Australian Air Force, strengthening the protection of Australia's northern borders.

JORN is an over-the-horizon radar (OTHR) network that provides long-range, wide-area surveillance of Australia's northern coasts. It plays a vital role in supporting the Australian Defense Force's air and maritime operations, border protection, disaster relief, and search and rescue operations. The Phase 6 Upgrade, led by BAE Systems, will be the most significant system upgrade to JORN since it was accepted into service in 2003. A key component of the upgrade will include the migration to a modular, scalable software framework of open system architecture that will increase the reliability and performance of the radars. This flexible framework will enable the development team to efficiently upgrade the system and perform maintenance tasks, while ensuring easy integration with other software solutions.

BAE Systems selected RTI Connex DDS as the connectivity framework for the software architecture due to the real-time performance and security provided by RTI's products. Connex DDS is the world's leading implementation of the Data Distribution Service (DDS) open standard and is

proven in thousands of mission-critical systems for its modular, flexible architecture. Because the JORN system won't be refreshed again for another ten years or more, it required a solution that would allow for easy modifications to the system over time – a key benefit of Connex DDS.

“In large defense systems, it's critical that command data be delivered with 100% accuracy and reliability. Connex DDS meets these requirements by solving a wide range of connectivity challenges and accelerating the development of complex radar systems,” said David Barnett, vice president of products and markets at RTI. “We are honored to be a part of the JORN project. We look forward to continuing our efforts in advancing the future of radar systems.”

Read more about RTI's work within the Aerospace and Defense industry [here](#).

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**About Real-Time Innovations, Inc. (RTI) (www.rti.com):**

Real-Time Innovations (RTI) is the Industrial Internet of Things (IIoT) connectivity company. The RTI Connex<sup>®</sup> databus is a software framework that shares information in real time, making applications work together as one, integrated system. It connects across field, fog and cloud. Its reliability, security, performance and scalability are proven in the most demanding industrial systems. Deployed systems include medical devices and imaging; wind, hydro and solar power; autonomous planes, trains and cars; traffic control; Oil and Gas; robotics, ships and defense.

RTI lives at the intersection of functional artificial intelligence and pervasive networking<sup>SM</sup>.

RTI is the largest vendor of products based on the Object Management Group (OMG) Data Distribution Service<sup>™</sup> (DDS) standard. RTI is privately held and headquartered in Sunnyvale, California.

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