

# Ondas Receives Purchase Order from Major European Rail Customer

## First rail activity outside of North America

NANTUCKET, Mass.--(BUSINESS WIRE)-- Ondas Holdings Inc. (NASDAQ: ONDS), a developer of proprietary, software-based wireless broadband technology for large established and emerging industrial markets, announced today that its wholly owned subsidiary, Ondas Networks Inc., received its first purchase order from a major European rail customer for its FullMAX MC-IoT private wireless network technology.

“Ondas has been focused on driving market adoption of its mission-critical IoT (MC-IoT) technology across industrial and government markets with an initial focus on the large North American Rail markets”, said Eric Brock, Chairman and CEO of Ondas Holdings Inc. “Our success here with the Class 1 Railroads is allowing for new adoption outside of North America. Rail operators in Europe face many of the same challenges as our Class 1 rail customers. We look forward to working closely with this customer by providing crucial new data capacity and network flexibility through our next-generation FullMAX industrial wireless platform.”

Mr. Brock concluded, “Ondas’ FullMAX MC-IoT technology is key to unlocking the high performance and secure industrial networks of the future by optimizing valuable spectrum assets already available to our customers.”

Data-intensive edge technologies are expanding in scope and number, creating the need for new broadband private wireless data networks in European rail markets. The adoption of more intelligent rail systems cannot be met by the legacy GSMR networks in Europe or by the future transition to 5G technologies. New rail applications require highly reliable data links over very long range and wide field areas. 5G networks are purposely designed for high downstream data capacity over very short range and don’t meet many of the mission-critical requirements. Furthermore, ubiquitous 5G networks will take years or even decades to implement across the territory of a railroad. Meanwhile, just as in North America, European railroad infrastructure companies control blocks of low frequency, highly capable performing radio spectrum assets which are underutilized by legacy narrowband wireless technologies. Ondas’ FullMAX software-defined wireless platform is designed to unlock the full capability of this existing spectrum and provide much higher data network capacity, performance and reliability.

About Ondas Holdings Inc.

Ondas Holdings Inc., through its wholly owned subsidiary, Ondas Networks Inc., is a developer of proprietary, software-based wireless broadband technology for large established and emerging industrial markets. The Company’s standards-based, multi-patented, software-defined radio FullMAX platform enables Mission-Critical IoT (MC-IoT) applications by overcoming the bandwidth limitations of today’s legacy private licensed

wireless networks. Ondas Networks' customer end markets include railroads, utilities, oil and gas, transportation, aviation (including drone operators) and government entities whose demands span a wide range of mission critical applications. These markets require reliable, secure broadband communications over large and diverse geographical areas, many of which are within challenging radio frequency environments. Customers use the Company's FullMAX technology to deploy their own private licensed broadband wireless networks. The Company also offers mission-critical entities the option of a managed network service.

Ondas Networks' FullMAX technology supports IEEE 802.16s, the new worldwide standard for private licensed wide area industrial networks. For additional information, visit [www.ondas.com](http://www.ondas.com) or follow Ondas Networks on Twitter and LinkedIn.

## **Forward Looking Statements**

Statements made in this release that are not statements of historical or current facts are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. We caution readers that forward-looking statements are predictions based on our current expectations about future events.

These forward-looking statements are not guarantees of future performance and are subject to risks, uncertainties and assumptions that are difficult to predict. Our actual results, performance, or achievements could differ materially from those expressed or implied by the forward-looking statements as a result of a number of factors, including, the risks discussed under the heading "Risk Factors" in our most recent Annual Report on Form 10-K filed with the U.S. Securities and Exchange Commission ("SEC"), in our Quarterly Reports on Form 10-Q filed with the SEC, and in our other filings with the SEC.

We undertake no obligation to publicly update or revise any forward- looking statements, whether as a result of new information, future events or otherwise that occur after that date, except as required by law.

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