

January 5, 2021



Ondas Networks Delivers New Mercury Software-Based Radio Platform to North American Class 1 Rail Customer

Groundbreaking communications platform enables advanced rail and other mission critical applications

SUNNYVALE, Calif.--(BUSINESS WIRE)-- Ondas Holdings Inc. (NASDAQ: ONDS), a developer of proprietary, software-based wireless broadband technology for large established and emerging industrial markets ("Ondas" or the "Company"), announced today the first commercial shipment of its Mercury software-based radio platform to a major North American Class I rail customer. Earlier this year, Siemens Mobility and Ondas Networks announced their exclusive partnership to bring a Siemens-branded portfolio of Ondas' wireless radio communication systems to the North American rail market. The Mercury platform is the newest product introduction under that agreement.

The Mercury edge remote runs Ondas' breakthrough Mission-Critical IoT ("MC-IoT") software for licensed narrowband frequencies. Ondas' MC-IoT software platform offers the network operator the ability to aggregate multiple adjacent and non-adjacent narrowband channels into a greater data pipe in order to support both existing legacy and additional advanced applications. Mission-critical network operators, like railroads, electric utilities, oil & gas companies, public safety and defense companies currently run private networks over narrowband channels but are limited to very low bandwidths, often capped at serial modem data rates of 9,600 bits per second. These users are confronting a significant bandwidth gap for their advanced data applications located at the edge of their networks. Ondas' MC-IoT software platform creates a secure, high-capacity, private "fog" network at the edge to enable these advanced applications with up to 15 times more capacity.

"Ondas' MC-IoT software platform enables new advanced applications at the edge of major industrial networks," stated Eric Brock, Chairman and CEO of Ondas. "The Mercury platform, which we have shipped to one of our North American Class I rail customers, is a major step forward in the widespread adoption of industrial applications. It's not only ground-breaking in terms of throughput but enables new levels of security in these critical markets. We believe Mercury has significant appeal across global critical infrastructure markets and expect further adoption in the near term."

More information on the Mercury platform and other Ondas products is available at the following link: <https://www.ondas.com/ondas-radio-hardware-platforms/>.

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 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 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 Annual Report on Form 10-K filed with the U.S. Securities and Exchange Commission ("SEC") on March 13, 2020, in our Quarterly Report on Form 10-Q filed with the SEC on November 6, 2020, 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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Source: Ondas Holdings Inc.