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Leading Logic Manufacturer Selects Nova ELIPSON™

Rehovot, Israel, December 20, 2022 - Nova (Nasdaq: NVMI) announced today that a leading global logic manufacturer recently selected Nova ELIPSON™ for next-generation integrated circuit (IC) development.

Nova ELIPSON™ was chosen for its ability to perform in-die characterization of stress, strain and defectivity in next-generation devices, rapidly and with unparalleled sensitivity. The solution utilizes advanced Raman spectroscopy technology to extract materials properties of in-die structures, by fast and non-destructive means. The platform has consistently proven its ability to solve a wide range of materials metrology challenges in various segments and steps.

“This selection by one of the world’s leading semiconductor logic manufacturers demonstrates the growing value of Nova’s innovative materials metrology portfolio,” stated Eitan Oppenheim, Nova’s president and CEO. “The increasing complexity of device architecture demands solutions that push the envelope and address the unique challenges our customers are facing. In this complex process fabrication environment, Nova’s unique materials portfolio is becoming critical to the successful manufacturing of next-generation devices.”

About Nova

Nova is a leading innovator and key provider of material, optical and chemical metrology solutions for advanced process control in semiconductor manufacturing. Nova delivers continuous innovation by providing state-of-the-art high-performance metrology solutions for effective process control throughout the semiconductor fabrication lifecycle. Nova’s product portfolio, which combines high-precision hardware and cutting-edge software, provides its customers with deep insight into developing and producing the most advanced semiconductor devices. Nova’s unique capability to deliver innovative solutions enables its customers to improve performance, enhance product yields and accelerate time to market. Nova acts as a partner to semiconductor manufacturers from its offices worldwide. Additional information may be found on [Nova’s website link](https://www.novami.com/) - <https://www.novami.com/>.

Nova is traded on the Nasdaq and TASE, Nasdaq ticker symbol NVMI.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of safe harbor provisions of the Private Securities Litigation Reform Act of 1995 relating to future events or our future performance, such as statements regarding, but not limited to, anticipated growth

opportunities and projections about our business and its future revenues, expenses and profitability. Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to differ materially from any future results, levels of activity, performance or achievements expressed or implied in those forward-looking statements. Factors that may affect our results, performance, circumstances or achievements include, but are not limited to, the following: catastrophic events such as the outbreak of COVID-19; increased information technology security threats and sophisticated computer crime; foreign political and economic risks; changes in U.S. trade policies; inability to protect our intellectual property; open source technology exposure; failure to compete effectively or to respond to rapid technological changes; consolidation in our industry; difficulty in predicting the length and strength of any downturn or expansion period of the market we target; factors that adversely affect the pricing and demand for our product lines; dependency on a small number of large customers; dependency on a single manufacturing facility per product line; dependency on a limited number of suppliers; difficulty in integrating current or future acquisitions; lengthy sales cycle and customer delays in orders; political, economic and military instability in Israel; risks related to our convertible notes; currency fluctuations; and quarterly fluctuations in our operating results. We cannot guarantee future results, levels of activity, performance or achievements. The matters discussed in this press release also involve risks and uncertainties summarized under the heading "Risk Factors" in Nova's Annual Report on Form 20-F for the year ended December 31, 2021, filed with the Securities and Exchange Commission on March 1, 2022. These factors are updated from time to time through the filing of reports and registration statements with the Securities and Exchange Commission. Nova Ltd. does not assume any obligation to update the forward-looking information contained in this press release.