



# Ansys and Photonic Simulation Leader Lumerical Sign Definitive Acquisition Agreement

*Acquisition to add photonic simulation to Ansys' multiphysics portfolio for 5G, IIOT and autonomous vehicle development*

**PITTSBURGH, March 5, 2020 –**

Ansys

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(NASDAQ: ANSS), the global leader and innovator of engineering simulation software, announced today that it has entered into a definitive agreement to acquire Lumerical Inc., a leading developer of photonic design and simulation tools. The acquisition will add best-in-class photonics products to the Ansys multiphysics portfolio, providing customers with a full set of solutions to solve their next-generation product challenges.

Emerging technologies such as 5G and industrial internet of things (IIoT) applications as well as autonomous vehicles are challenging companies to deal with massive volumes of data faster than ever. Traditional means of transmitting that data are being replaced by higher-efficiency optical networks. Lumerical's photonic simulation products enable designers to model the most challenging problems in photonics, including interacting optical, electrical and thermal effects. Lumerical's solutions can improve the performance of data center architectures by removing networking bottlenecks, potentially slashing the total cost of ownership. Additionally, the acquisition of Lumerical is expected to enable Ansys customers to predict light's behavior within complex photonic structures and systems.

"Ansys provides a comprehensive solution for semiconductors and high-performance electronics," said Shane Emswiler, Ansys' senior vice president, physics business units. "With the acquisition of Lumerical, we will extend Ansys' capabilities to exploit the potential of photonics to further empower our customers to develop next-generation products like autonomous vehicles and other smart-connected products."

"Lumerical is a perfect fit with Ansys," said James Pond, co-CEO and CTO of Lumerical. "The potential of photonics in applications like 5G, IIoT and autonomous vehicles can only be realized by solving immense multiphysics device and system challenges. Together, Lumerical and Ansys are uniquely positioned to provide the necessary solutions, and customers of both companies will reap tremendous rewards from this dynamic acquisition."

The transaction is subject to the satisfaction of customary closing conditions and is expected to close in the second quarter of 2020. It is not expected to have a material impact on Ansys' consolidated financial statements in 2020.

## **Forward-Looking Statements**

This news release contains statements about future events and expectations, including timing of closing of the acquisition, the effect of the acquisition on our future growth and financial results and the expected value of the acquired technology to our business. These statements are “forward-looking statements” that involve risks and uncertainties that could cause actual results to differ materially from those projected as a result of certain risks and uncertainties, including that the closing conditions may not be satisfied when or as we expect or may be waived; the acquired technology may not provide the access to new customers and markets that we expect if those customers and markets are not receptive to the technology; we may be unable to integrate the acquired technology when or as we expect, which could adversely affect our ability to offer additional solutions; customers may not adopt solutions for product development as we expect, which would adversely affect our revenue; key Lumerical employees may not stay with Ansys, which could disrupt the Lumerical business and our ability to successfully integrate and operate the Lumerical business; and other risks and uncertainties described in Ansys’s filings with U.S. Securities and Exchange Commission. Forward-looking statements speak only as of the date they are made and Ansys assumes no obligation to update or revise these forward-looking statements.

## **About Ansys**

If you've ever seen a rocket launch, flown on an airplane, driven a car, used a computer, touched a mobile device, crossed a bridge or put on wearable technology, chances are you've used a product where Ansys software played a critical role in its creation. Ansys is the global leader in engineering simulation. Through our strategy of Pervasive Engineering Simulation, we help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges and create products limited only by imagination. Founded in 1970, Ansys is headquartered south of Pittsburgh, Pennsylvania, U.S.A.,  
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