

TOPTICA acquires Azurlight Systems

Power boost for all wavelengths:

Tunable diode lasers merge with high power fiber amplifiers



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Image (left to right): Dr. Wilhelm Kaenders (Founder & Member of the executive board of TOPTICA Photonics AG), Dr. Nicholas Traynor (Founder and President of Azurlight Systems who will become President of TOPTICA Photonics SAS), and Dr. Juergen Stuhler (Vice President Quantum Technologies at TOPTICA Photonics AG who will become General Manager of TOPTICA Photonics SAS)

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As per 22nd of December 2022, Germany-based laser manufacturer TOPTICA Photonics AG has entered into a definitive purchase agreement to acquire the majority of the shares of French fiber laser technology company Azurlight Systems SAS. Azurlight will continue and further foster its fiber laser business under the new name TOPTICA Photonics SAS and form the French hub of the TOPTICA brand. The parties have agreed to maintain confidentiality regarding the purchase price. The transaction is subject to the foreign direct investment (FDI) approval by French authorities.

The unique combination of world-class tunable diode lasers, highest quality frequency conversion technology and lowest-noise high power amplifiers will serve customers in the fast-growing markets of quantum technologies, biophotonics, and industrial metrology and help to establish an even stronger European position in these upcoming markets.

The combination of diode and fiber lasers with frequency conversion provides solutions ranging from low to high power and from ultraviolet to infrared wavelengths. They are invaluable tools used in a variety of industries including quantum technologies, medical research, industrial instrumentation, and in fundamental scientific research. Especially quantum technology applications and products will benefit from complete solutions in industrial footprint.

Extended sales, service, and expert network

This exciting acquisition will allow further strategic development of the combined entities. Customers will benefit from access to an experienced global team of experts covering laser technology application knowhow and full technical support. The extended network is an important step towards TOPTICA's goal of providing

world-leading professional-grade lasers with cutting-edge technology to scientific and industry customers.



Dr. Nicholas Traynor (Azurlight Systems, Pessac/France): “We are proud to join the TOPTICA group and excited about the opportunities this offers for the next stage in our development. Putting together the proven technologies of narrow band and tunable diode lasers with our lowest noise fiber amplifiers will be mutually beneficial for the product families of both companies. Together with the existing global sales and service network of TOPTICA, we will be able to serve customers’ needs in quantum technology markets and beyond. We enthusiastically look forward to the years to come.”

Dr. Wilhelm Kaenders (TOPTICA Photonics/Germany) adds: “We are very pleased to welcome Azurlight Systems under the TOPTICA brand, adding best-in-class fiber lasers and amplifiers to our product portfolio. We envisage further strengthening of fiber laser development in France and strong common product development including our subsidiaries in the US and Germany. This will grow our offering for industry and scientific research, especially in the growing markets of quantum computing and biophotonics and industrial metrology.”

Azurlight Systems: High-Power CW Fiber Lasers & Amplifiers

Azurlight Systems is a French manufacturer of CW fiber lasers and amplifiers based in Pessac near Bordeaux. Tailored for high performance, their infrared (IR) lasers and visible (VIS) lasers all feature high power, ultra-low noise, single frequency, single mode, excellent power and pointing stability. At all wavelengths (488 nm, 515 nm, 532 nm, 976 nm, 1015 nm, 1030 nm, 1064 nm and other custom wavelengths), the compact architecture of the products ensures robustness and reliability. The cw fiber lasers are suited for quantum technologies, high power Argon gas laser replacement, laser Doppler velocimetry, high brightness laser pumping, laser holography, metrology and interferometry.

About TOPTICA Photonics

Founded in 1998 near Munich (Germany), TOPTICA became one of the leading laser photonics companies by aiming for and consistently delivering products with high-end specifications. TOPTICA develops and manufactures laser systems for scientific and industrial applications. The portfolio includes (tunable) diode lasers, ultrafast fiber lasers, terahertz systems and optical frequency combs. OEM integrators, scientists, and over a dozen Nobel laureates all acknowledge the performance of TOPTICA’s lasers, as well as their reliability and longevity. TOPTICA today has about 500 employees in 6 commercial entities with a consolidated group revenue of 110 Mio €.