

PRESS RELEASE

Bordeaux, January 20, 2020

ALPhANOV AND CAILABS SIGN PARTNERSHIP TO DEVELOP ULTRAFAST LASER PROCESSES USING BEAM SHAPING TECHNOLOGY

ALPhANOV and Cailabs, two innovative players in the French photonics industry, announce a partnership to further enhance the quality and performance of ultrafast laser processes for electronics, microelectronics, aeronautics, aerospace, automotive and biomedical applications.

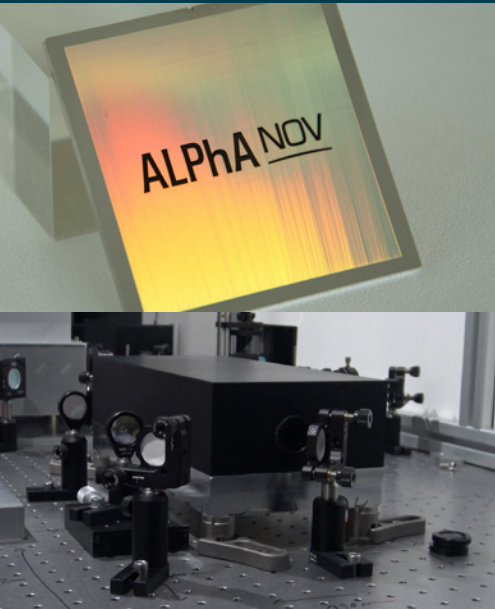
Rennes, France – Cailabs, a French deep-tech company and world leader in light shaping has announced a partnership with ALPhANOV, an optical and laser technology center, which supports industrial innovation at European level through its expertise in the field of pulsed lasers.

The goal of this collaboration is to develop joint projects that leverage ALPhANOV's expertise in processing and Cailabs' know-how in optics and shaping. These projects will enable industrial partners to evaluate the contribution of shaping for a given laser process, to carry out preliminary tests of Cailabs technologies for very high power USP lasers, and to develop and improve their laser processes.

A shaping system developed by Cailabs is already in use at ALPhANOV. It initially aims to address the needs of the micro-ablation industry. Further deployments are already planned for early 2020 to meet the needs of partners for other applications, such as micro-machining, surface texturing/functionalization, processing of transparent materials, etc.

« We are pleased to establish this partnership with ALPhANOV, » says Jean-François Morizur, CEO of Cailabs. « This partnership enables Cailabs to take a further step forward by deploying our new CANUNDA-PULSE product line in industrial processes using high energy femto lasers delivering mJ per pulse, » he continues.

« With the demonstration of highly original processes which can only be performed using ultrashort lasers and the development of very strong medium power sources, beam shaping opens the way to numerous applications where quality control and productivity are decisive factors, » explains Benoit Appert-Collin, Director of ALPhANOV.



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For ALPhANOV, this partnership will enable the integration of a new innovative technique that will further extend the possibilities for demonstrating and developing processes to its industrial partners and customers in industries such as aeronautics, electronics and health engineering.

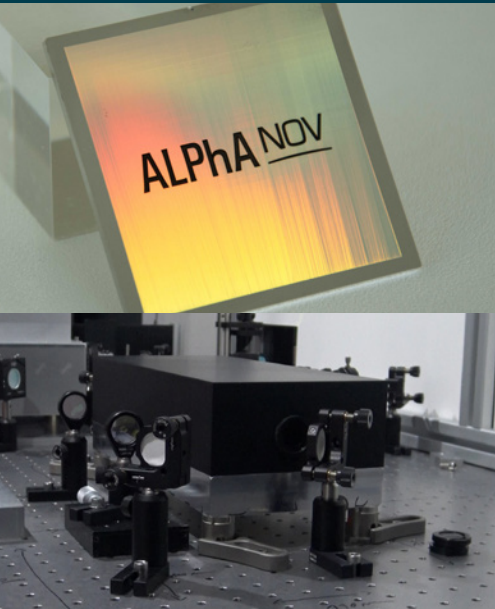
For Cailabs, this demonstration platform will allow the direct testing of the different types of beam shaping with 500 μ J - 1 mJ lasers on the market. « Using this platform we are making progress towards simplifying the user experience for our partners by offering them the opportunity to assess, in a short period of time and on an experimental basis, which formatting solution is best adapted to their needs and to identify their potential gains », concludes Nicolas Laurenchet, Cailabs sales director.

ALPhANOV - Optics & Lasers Technology Center

Founded in 2007, ALPhANOV is the center of the Lasers & Microwaves French Cluster ALPHA-RLH, located in Bordeaux, France. ALPhANOV aims to boost innovation through collaboration between research and industry. It offers multiple modes of action which enable it to act all along the value chain: collaborative projects, feasibility studies, access to shared technical facilities, dedicated resources for companies and laboratories, technical support of entrepreneurship. It contributes to the creation and development of companies by providing innovative solutions that meet their expectations. It offers an array of services and products in optics and lasers with 4 fields of expertise: laser processes and micro-machining, laser sources and fiber components, laser and optical systems, photonics and health. For more information: www.alphanov.com.

Cailabs

Founded in 2013, Cailabs is a French deep tech company which designs, manufactures and distributes innovative photonic products for telecommunications, free space transmission, industrial lasers, and LANs. A global leader in complex light shaping, its technology is currently protected by 19 patent families. Its innovative optical components are used in a variety of sectors and have contributed to several world records (notably the optical fiber bandwidth record achieved by the Japanese operator KDDI). Since 2016, Cailabs has obtained numerous innovation awards worldwide. Additional information about Cailabs is accessible at www.cailabs.com.



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