

## PRESS RELEASE

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DeepTech

### **CAILabs & Amplitude Laser Group: a key partnership for the innovative micromachining markets**

Rennes, France - CAILabs, a French deep tech company, global leader in light shaping technology, announced the signature of a partnership with Amplitude Laser Group, global leader in the field of femtosecond lasers, solidifying its position in the innovative laser-processing sector.

#### **Two complementary solutions for a technological partnership**

For Amplitude Laser Group, micromachining is a strategic market, characterized by its multi-niche nature, involving a good command of a large number of processes, where it is necessary to be proactive and responsive. The group clearly understands the need to have the upper hand in performance, thanks to cutting-edge technological solutions, which is the key to meeting challenges in their market.

At the JNPLI conference (Conference on Industrial Laser Processing) held in Bordeaux, France in July 2018, CAILabs presented a paper titled "Bessel beam generation for transparent materials drilling," following recent developments carried out in partnership with the FEMTO-ST institute. This was the starting point of discussions between Amplitude Laser Group and CAILabs.

The opportunity for cooperation soon became evident: the combination of laser beam shaping provided by CAILabs, and power increase of ultrafast lasers on Amplitude's side, makes it possible to increase the performance of industrial processes.

*"The value of cooperation with CAILabs is clear: the micromachining markets that Amplitude Laser Group is targeting are extremely diversified, and we need to be very responsive in terms of innovation in order to effectively serve these markets. By providing new solutions, cooperation with CAILabs will enable us to meet significant business challenges,"* explains Vincent Rouffiange, Sales Manager of Amplitude Laser Group.

#### **A key step in the strategic development of both partners**

Cooperation between the two companies will involve a pilot phase that should lead to the development of a common offer.

While CAILabs' expertise will allow Amplitude Laser Group to provide a high-performance micromachining offer thanks to its unique technology, this partnership also represents an opportunity for the French deep tech company to position itself in a new industrial market with high growth potential, where there is a need for significant technological support.

*"Cooperation with Amplitude Systèmes makes it possible to combine two technology components with the aim of developing a common business strategy in an extremely innovative sector. Participation in such partnership programs is essential for the development of CAILabs in these markets,"* explains Pu Jian, Partnership Manager at CAILabs.

With this cutting-edge technology that boasts high added value, Amplitude Laser Group intends to expand its offer of innovative solutions in the femtosecond micromachining sector, thus consolidating its leading position in this market.

For CAILabs, this step represents a strategic development in markets where the company intends to pursue growth. Taking position in the innovative, promising market of industrial laser processing, in fields such as additive manufacturing and ultrafast laser machining, is an essential step in the company's development.

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#### **About CAILabs**

Located in Rennes, CAILabs is a French deep tech company developing, manufacturing, and selling innovative photonic solutions for telecommunications and industrial laser applications.

CANUNDA laser beam shaping solutions are integrated in laser machining systems (additive manufacturing, micromachining, cutting, welding, etc.). They make it possible to increase control of wave-material interaction, thus improving the quality of the process and its output. The entirely reflective and passive operation of CANUNDA solutions guarantees high efficiency and makes them compatible with the majority of existing laser sources.

#### **About Amplitude Laser Group**

Established in 2001 by visionary laser experts, Amplitude Laser Group manufactures ultrashort lasers designed for the industrial, medical, and scientific sectors. A leader in the international market from the very beginning, the company offers a wide range of products (diode-pumped ultrashort lasers, industrial type femtosecond fiber lasers, high intensity or high energy Ti:Sapphire technology.) Always on the cutting edge of technology, Amplitude supplies its clients with lasers that are reliable over time, so that they can successfully accomplish their projects.

With its 3 production sites (located in Bordeaux and in Paris, as well as in San José, CA, USA), and its sales offices in Europe, Asia and America, Amplitude Laser Group and its 300 employees are committed to designing and developing innovative products, manufactured in accordance with the highest quality standards such as the ISO 9001 quality certification standard.

For further information: [amplitude-laser.com](http://amplitude-laser.com)

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