

ALPES LASERS SA

Short description:

Alpes Lasers SA is a component and sub-systems designer and manufacturer. Our core competency is Quantum Cascade Laser design, fabrication and quality assurance. Over the years the company have enlarged our competency towards more generally semiconductor laser design and manufacture. Alpes Lasers SA was founded in 1998 and employs 30 people mostly scientists and engineers. The company has been participating to numerous EU and national projects and has a culture of scientific project fulfillment with the added value of providing fully finished industrial products as development deliverables allowing a hassle free deployment of the technology.

Partnership / cooperation possibilities:

Alpes Lasers can design and produce lasers with very specific performances for applications needing devices from 1.45 to 23 microns. Alpes Lasers has been optimizing devices for applications ranging from air pollution monitoring to breath analysis applied to medical diagnostic as well as from high power applications aimed at missile jamming to combustion monitoring. Alpes can develop: single- or multi-mode lasers, narrow or large spectral gain material with specialized coatings, comb capable lasers, high power (>1W) single- or multi-mode devices. Alpes has also designed and optimized sub systems to operate lasers with large tuning capabilities using multi-section technology and designed the needed sophisticated drive electronics. Alpes has development capabilities for external cavities optics, electronics and dedicated gain chips.

Possible H2020 calls (2017):

- SPIRE 08-2017: CO2 Utilisation to produce added value chemicals
- SPIRE 09-2017: Pilot lines based on more flexible and down-scaled high performance processing
- NMBP 47-2017: Pilot Lines for 3D printed and/or injection moulded polymeric or ceramic microfluidic MEMS
- NMBP 13-2017: Cross-KET for Health
- NMBP 04-2017: Architected/Advanced material concepts for intelligent bulk material structures
- NMBP 15-2017: Nanotechnologies for imaging cellular transplants and regenerative processes in vivo
- FOF 08-2017: In-line measurement and control for micro-/nano-enabled high-volume manufacturing for enhanced reliability
- FOF-13-2017: Photonics Laser-based production
- ICT30 – 2017: Photonics KET 2017

Contacts:

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