



St-Blaise, Switzerland, December 2016 – Alpes Lasers SA, a Swiss engineering company pioneering advanced light sources, especially Quantum Cascade Lasers (QCLs), has been selected as a supplier and developer of broadband Quantum Cascade Lasers by several chemical sensing companies working on the Standoff Illuminator for Measuring Absorbance and Reflectance Infrared Light Signatures (SILMARILS) program. The SILMARILS program is part of the Intelligence Advanced Research Projects Activity (IARPA) and is managed by the U.S. Air Force Research Laboratory at Wright-Patterson Air Force Base, Ohio.

Under this project Alpes Lasers will develop new classes of QCLs providing high spectral power density and pulse energy in the fingerprint region of the mid-infrared spectrum which allow for specific identification of a large class of organic and non-organic chemicals such as chemical weapons, explosives, narcotics or biological agents. These lasers will be integrated within portable systems by the prime contractors selected by IARPA.

Dr Antoine Müller, CEO of Alpes Lasers, commented “These contracts leverage Alpes' know-how as a worldwide leader in broad gain and high power QCLs to develop new products. The laser chips developed have the potential to be integrated into devices that will facilitate safety screenings in airports and can be used by law enforcement agencies worldwide.”

Phase 1 of the development is expected to be completed by the end of 2017.

Contact:

Alpes Lasers SA

Avenue des Pâquiers 1

CH-2072 St-Blaise

web www.alpeslasers.ch

email info@alpeslasers.ch

tel. +41 32 729 95 10