



Maxion Technologies Introduces Complete Turn-Key Mid-IR Laser Systems

College Park, MD -- April 5, 2009 -- Maxion Technologies announced the availability of complete turn-key mid-infrared laser systems from 3-12 μm for shipment. These systems are based on Maxion's core semiconductor Quantum Cascade (QC) and Interband Cascade (IC) laser technology manufactured at Maxion's headquarters in College Park, Maryland. They are offered in wavelength ranges from 3-12 μm and are available both in multi-mode and single mode DFB versions. These lasers have wide ranging applications in process monitoring, chemical sensing, medical diagnostics, and infrared counter measures (IRCM).

The company also announced that several units have already been shipped to major customers in US and Europe. "The development and introduction of fully turn-key laser systems is another major step forward in the development of mid-IR QC and IC laser technology at Maxion. With these systems, a user can have plug and play functionality right out of the box. Our integrated thermal and electronic driver has unprecedented functionality and offers increased flexibility to the end user," said Dr. Sohrab Zarrabian, Chief Executive Officer of Maxion Technologies.

With exclusive IP rights to the Interband Cascade laser, Maxion Technologies is the only company in the world that manufactures IC lasers. This allows researchers and users to access the very important 3-4.5 μm region which is currently difficult to access using conventional Quantum Cascade technology. "Interband Cascade lasers are critical to many applications in the petrochemical and clean energy markets. Their availability as turn-key systems is a major step in commercialization of this important technology," added Dr. John Bruno, Chief Technical Officer of Maxion Technologies.

About Maxion Technologies

Maxion Technologies, Inc. manufactures high performance, mid-infrared semiconductor lasers and chemical sensors and detection systems based on quantum cascade (QC) and interband cascade (IC) lasers operating in the 3-12 μm spectral region. The company's products support customers' applications with previously unavailable levels of performance at reduced cost. Maxion's IC and QC lasers enable the development of a new generation of products in a wide variety of chemical sensing, medical diagnostics and infrared countermeasure (IRCM) markets. Maxion was founded by a team of scientists and engineers previously employed at the Army Research Laboratory in Adelphi, Maryland.