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Cascade Technologies wins top business award

June 26, 2007, Stirling, Scotland--Cascade Technologies has won the Science and Technology Entrepreneur of the Year title at the Ernst & Young Scotland Entrepreneur of the year Awards 2007. Cascade has demonstrated and patented the world's first real-time technology for the monitoring of gas, emissions, and explosives based on the use of mid-infrared (IR) quantum-cascade lasers (QCLs).

The company has established a centre of excellence in QC laser applications and is now offering solutions to real-world problems in global warming and homeland security. The technology is low maintenance, requiring little or no calibration and is now being deployed in harsh environments to measure a range of combustion gases including sulphur and nitrous oxides. Custom products can be created for industries facing challenging measurement and detection issues. The Cascade system can also rapidly screen individuals, objects, and critical infrastructures for homeland security.

Cascade business development director Richard Cooper said, "Our technology already has a global presence through commercial agreements with a number of multi-national organizations and as we enter an era where environmental emissions controls and security are taking-on even greater significance, we believe our technology can be at the forefront of future development. We have also developed strategic agreements with global suppliers which have allowed us to drive major technology developments through improved component yield, reproducibility, quality and reduced lead time."