



**PRESS RELEASE...PRESS RELEASE...PRESS RELEASE**

**CASCADE TECHNOLOGIES OUT TO DETECT NEW TALENT**

When Michael Telfer McCulloch gained a PhD in Physics at Strathclyde University in 2004, he never dreamt that two years later he would be an integral part of an innovative research team that created the world's first portable explosives detection device.

But that's the reality for the 26-year-old scientist, who works as a Laser Spectroscopist at Cascade Technologies' stunning new research headquarters at Stirling Innovation Park.

Cascade Technologies is now the world leader in the application of quantum cascade lasers (QCLs) after developing and patenting the world's first real-time technology for the detection of gas, emissions and explosives.

Michael is proud to be part of such a significant success story and now plans to establish himself within the company whilst playing an active role in developing Cascade's revolutionary product across the globe.

He said: "I was involved in the same research group as Erwan Normand, who founded Cascade Technologies, when I was studying for my PhD at Strathclyde University.

"Soon after my graduation they received funding and I was asked to come on board.

"It's been a steep learning curve over the past couple of years with my main focus being the development of the gas sensing technology.

"The best thing about my job is the diversity. I'm hardly ever in the office and that suits me just fine.

"It's never the same two days on the trot and it's good to get the opportunity to go to different conferences and perform on-board testing of our products.

"Some people get stuck in a boring nine till five but my job really stimulates me and is tangeable in the sense that, in a couple of years, ships and power stations across the world will be using the gas and emissions sensing technology that I have helped develop.

"It gives you a sense that you are making a difference in an era when protecting the environment is high in the agenda of governments across the globe."

Cascade Technologies has secured an additional £2.5million of funding and clinched a deal with BP to exclusively design and supply an emissions monitoring

Press Release

system for use in the marine industry.

And the company is now on the lookout for sales engineers and technical specialists to help them service demand throughout a planned period of growth.

Michael added: "Cascade Technologies is a great place to work and there is a real determination and desire to be successful and the world leader in our field .

"We don't see problems, we just seek solutions and it's great to work alongside ambitious, creative and forward-thinking people who drive you to raise your level of performance every day."

Ends.

#### **Notes to editors**

- **Cascade Technologies** uses its revolutionary, patented core technology – based around the application of Quantum Cascade Lasers – to design, develop and supply innovative solutions for a wide range of global markets. These include the monitoring of greenhouse and general industrial emissions, hazardous gases, and explosives and drugs. Based at Stirling University Innovation Park, Cascade Technologies currently has world-class scientists and engineers working under development and supply agreements on several revolutionary products for key blue chip clients, whilst further bespoke product development, manufacturing, marketing and distribution agreements are being sought with customers worldwide. The company's technology provides highly specific and sensitive measurement, whilst its portable size offers cost savings compared to competitive offerings. It is also immune to many outside influences that typically affect sensors of this type.

**Issued by Beattie Communications ([www.beattiegroupp.com](http://www.beattiegroupp.com)) on behalf of Cascade Technologies**

**For further information please contact:**

**Neil McDonald**

[neil.mcdonald@beattiegroupp.com](mailto:neil.mcdonald@beattiegroupp.com)

**01698 787855**

**Press Release**