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# Deep Dive



Sean Byerley, Head of Bank of Ireland, Cork City; Declan O'Mahoney, Entrepreneur-in-Residence, Tyndall and Former CEO, Firecomms; and Carl Jackson, Former CTO, SensL at the launch of Deep Dive.

**At Tyndall National Institute, we are looking for entrepreneurs to join the next wave of high-value start-ups through the Deep Dive programme.**

We have a portfolio of spin-out ready technologies which answer real market needs and could be

your next big opportunity. From radiation detectors used in the International Space Station to infrared sensors for autonomous vehicles and wearable rehabilitation devices.

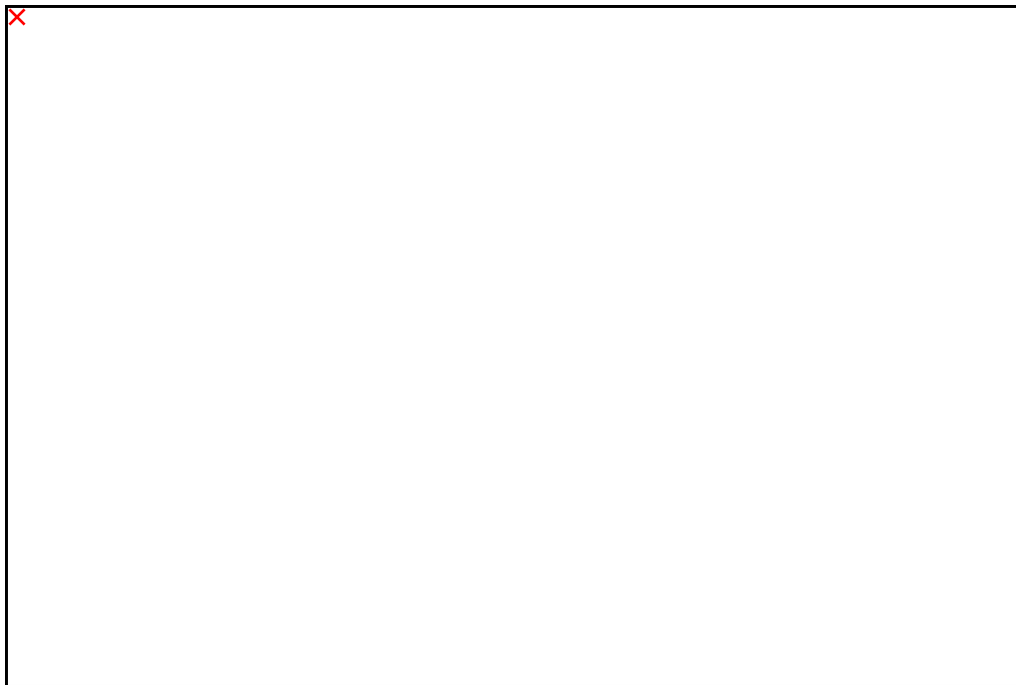
All of these technologies are spin-out ready and many have received Enterprise Ireland commercialisation funding to bring them closer to market.

Through **Deep Dive**, we can also work with entrepreneurs who have identified a market opportunity that needs a deep-tech solution. We have over 35 years' expertise in electronics and photonics and are leaders in integrated ICT hardware and systems.

**Apply today to get access to:**

- Funding to take a Deep Dive into your market opportunity
- A portfolio of high-value technologies with highly-defensible IP
- Expertise from the researchers who developed the technology
- Access to our state-of-the-art [facilities](#)
- Links to an extensive network of private investors and venture capitalists following completion of this programme

At Tyndall, we have a history of successful tech spin-outs. Declan O'Mahoney, Joe O'Keeffe and Carl Jackson all led high-value spinouts based on Tyndall technology and are now supporters of **Deep Dive**.



Carl Jackson, Former CTO, SensL; Joe O'Keeffe, Former CEO, InfiniLED; and Declan O'Mahoney, Entrepreneur-in-Residence, Tyndall and Former CEO, Firecomms, supporters of Deep Dive.

Declan O'Mahoney, our [Entrepreneur-in-Residence](#), was CEO of Firecomms, a high-tech compound semiconductor spin-out from Tyndall. Firecomms was Ireland's first high-tech company to be acquired by a Chinese corporation when the company exited to ZJY Corp of Zhejiang in 2010. Declan was CEO of University of Ulster spin-out Heartsine Technologies which was acquired by Stryker Corp and is a private investor in a number of start-ups.

Joe O'Keeffe founded InfiniLED which commercialised a new generation of Micro LED technology developed at Tyndall. The technology significantly extends the battery life for portable devices such as cameras, mobile phones and laptops, as well as for various medical and analytical

instrumentation. In 2016 InfiniLED was acquired by Facebook-owned Oculus.

Carl Jackson founded SensL, a spin-out from the CMOS-compatible, low-light sensor technology Carl's PhD research was based on. SensL commercialised the technology for use in silicon photomultiplier (SiPM) and SPAD imaging arrays. Since being founded in 2004, SensL grew from start-up to multiple market segment leader in Medical Imaging and Automotive LiDAR and in May 2018, SensL was acquired by ON Semiconductor.

Deep Dive is part-funded by [Bank of Ireland](#) under its technology commercialisation programme with Tyndall National Institute.

**Your next big opportunity awaits you, start the conversation with us by emailing [deepdive@tyndall.ie](mailto:deepdive@tyndall.ie)**

