explorer programme

semiconductor commercialisation discovery

2027 PROGRAMME BROCHURE

a promising technology is only the beginning!

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There are more questions to answer

Who needs it?

What problem does it solve?

What makes it different?

Could it become a product, service or business?



explorer helps you find the answers

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explorer is a nation-wide, three-month semiconductor commercialisation discovery programme combining training, mentorship and industry engagement to help researchers explore the commercial potential of their technologies.

Why Semiconductor?

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Sector is scaling rapidly

Global market is expanding at a CAGR of 8.3% from 2026 to 2034*



Ireland has an established Semiconductor sector

15 of the world's top 30 semiconductor companies have operations in Ireland.

University Spin-Outs are key platform to commercialise breakthrough innovations

15 Semiconductor Spin-Outs were formed across Irish RPOs

* SEMICONDUCTOR INDUSTRY OUTLOOK ANALYSIS 2026-2034Source: https://www.fortunebusinessinsights.com/semiconductor-market-102365

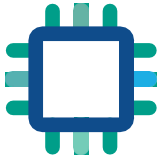
explorer's target technologies and applications

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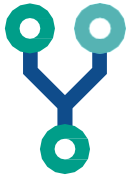
Semiconductor and semiconductor enabled applications such as:



Photonics



Semiconductor



Electronics



Advanced Material



Embedded Software



Quantum



Environment



Energy



Healthcare



Agriculture

what will you gain?

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Enhanced entrepreneurial skills in deep-tech

Get ready to apply for available EI fundings up to 0.5 million

Build a network with entrepreneurs and emerging startups

Direct engagement with industry mentors in Semiconductor ecosystem



deep-tech startup cofounders

as mentor/ workshop instructor



Peer to peer learning

Experts' feedback sessions

who should apply?

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Researchers, residents of the island of Ireland.

Have high-potential, deep-tech, early stage idea.

Technology readiness level 3 to 5.

If you are not sure whether you are fulfilling the criteria, reach out to us on *explorer@tyndall.ie* and we can discuss your eligibility

how is it delivered?

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Starting in February
for 3 months

3-hour
workshops weekly
mainly Online

Mentorship sessions
Peer to peer discussions

3 in-person events
in Cork & Dublin

at the end of the programme, you will have

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Idea validation

Validated the commercial opportunity with direct input from potential customers/ end-users.

Funding pathway

Clear path to secure funding to advance your technology Spin-Out

Commercial mentors

Established a network of commercial mentors and potential partners to guide you in the next steps

Product development roadmap

A clear roadmap of the product and its specifications based on the market need

Building on explorer's success

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50+ teams

From 12 RPOs

12 FS Granted

2 ARC-Hub Funding, 2 PoC

10 CommFund Granted

2 Startups

Examples of Funded Commercialisation Projects ...

iSLight (Vivid)
SuperLuminescent lighting solutions

ChirpComm
next-generation signal modulation chips

GaĪnabLE
µ-LED technology for microdisplay applications

FastNet Photonics
Electro-Absorption Modulated Lasers (EMLs)

EmoDub (VoiceClub)
AI Dubbing with Emotional Analysis

BellaVista
active vision correction in AR/VR

CanComfort
Supporting cancer patients

AUGUR-AI
analysing on-screen imagery in laparoscopy surgery

timeline

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	Title	Date	Delivery
1	Explorer overview and Team Building	4 February 2027	In-person Cork
2	Intellectual property and commercialisation	5 February 2027	In-person Cork
3	Technology Product development	11 February 2027	Online
4	EI feedback session, Customer Engagement	4 March 2027	In-person Dublin
5	Market Sizing	11 March 2027	Online
6	CommFund and Business Plan	8 April 2027	Online
7	Putting the story together	15 April 2027	Online
8	Showcase event	6 May 2027	In-person Dublin

The mentorship sessions and feedback meetings will be held in between the workshops on a weekly/biweekly basis.

apply now

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Click here to apply ***or use the QR code***

Application deadline:

30th November 2026

Questions: *explorer@tyndall.ie*

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learn from the best…

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Tyndall

ams OSRAM

IPCEI Microelectronics and Communication Technologies

I-C3

Enterprise Ireland

NovaUCD

eg technology

MIDAS IRELAND

ATLANTIC BRIDGE

CONNECT SFI Research Centre for Future Networks

Taighde Éireann Research Ireland