

ASCENT+ PROGRAMME – Free Access for SMEs

BENEFITS FOR SME

- Opportunities to **collaborate**
- Access to **state-of-the-art equipment**
- Access to **unique platform technologies**
- **Free-of-charge**



- Nanocharacterisation Platform
- Resistive RAM
- FDSOI & Stacked Nanowires on SOI



- GaN-IC Power Electronics
- CMOS FinFET technology
- 3D and advanced packaging



- Spintronics
- Graphene Platform
- NEMS/MEMS & Hybrid Devices



- Flexifab Cleanroom
- Quantum Nanostructures & Devices
- Electrical & Physical Characterisation Suites



- Diamond Quantum Technologies
- Advanced package integration
- Materials for emerging memories & in-memory computing



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<https://www.ascent.network>



ascent+
European Nanoelectronics Access

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Testimonial from Quantum Motion – SME growing thanks to ASCENT+

“My name is Fernando González Zalba, head of quantum hardware at Quantum Motion Technologies, an UK start-up that spun out of University College of London and Oxford University. We focus on developing scalable quantum computing processors based on CMOS compatible technology. We are users of the ASCENT+ programme.

We have found **ASCENT+ delivers fast and easy access to valuable state-of-the-art research expertise and equipment**. Our business model is fables. We have no material growth nor nanofabrication facilities and we rely on external partners to manufacture our designs. Using ASCENT+ we were given **free of charge access** to Atomic Layer Deposition (ALD) and to a series of nanofabrication steps, including state-of-the-art Electron Beam Lithography (EBL) at Tyndall.

This unique capability and programme incentives are invaluable for an SME. **The application process is simple and swift**. The support is excellent and being part of the ASCENT+ user community is very attractive. We found hard to believe such programme exists and is funded by the European Union through Horizon 2020. We have been granted access on two occasions and we plan to use ASCENT+ in the future.”



QUANTUM
MOTION



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