

# Sci-Tech Daresbury's Quantum Science signs landmark material distribution partnership with Japan's Nishimura Chemitech

Quantum Science Ltd (QS), the leading British quantum dot (QD) developer, has signed a distribution agreement with Nishimura Chemitech Co., Ltd (NYS), the foremost Japanese semiconductor, chemicals, and equipment materials distributor.

QS – which is based at Sci-Tech Daresbury, the world class location for high-tech business and leading-edge science in the Liverpool City Region - has licensed NYS to use, market, and sell its world-leading INFIQ® infrared quantum dots to customers in Japan. The agreement has huge implications for the consumer electronics, automotive, and industrial machine vision sectors.

INFIQ® QDs are used in image sensors to increase accuracy and depth and long range sensing of sensors into the infrared range at unparalleled cost advantages, with the product resulting in costs ranging from 10 to 1000 times lower than current infrared sensing technologies.

The INFIQ® QD technology will redefine the current \$32Bn image sensor markets and open significant new opportunities and new applications for QD sensors in consumer electronics, self-driving vehicles, security and surveillance, and smart manufacturing, and improve quality of life for the planet in the future

Dr Hao Pang, CEO of Quantum Science Ltd commented, “This is a significant commercial milestone for QS. This collaboration reflects the strong market demand for our world-beating INFIQ® QD technologies. It gives our Japanese partners, the world’s leading semiconductor businesses, access to QS’ state-of-the-art products and technologies. This will accelerate the adoption of INFIQ® QD technology in everyday life, such as in smartphones, cars, and in industrial automation products.”

Mr Masayuki Nishimura, Representative Director and Deputy President of NYS, said: “We are very pleased to have reached a final Distribution Agreement with QS. I believe that we can change the world by distributing the unique technology of INFIQ® QD in Japan, as it is the world’s largest sensing market.”

First established in 2018, Quantum Science uses nanotechnology to develop advanced nanomaterials such as its branded INFIQ® quantum dots for use in the semiconductor, environmental and biomedical sectors. The company was initially based at Sci-Tech Daresbury's Campus Technology Hub building but due to its growth moved to the larger Techspace One office and laboratory building in 2021.

Quantum Science has formed many important partnerships through its location at Sci-Tech Daresbury thanks to the site's diverse tenants and strategic partners, including a high-profile collaboration with Hitachi High-Tech Europe to develop a microscopy solution. Its status on the campus also means they have had access to Sci-Tech Daresbury's 'Gold Partners' programme - a cohort of handpicked organisations that offer first-class support for Sci-Tech Daresbury businesses in a range of specialist areas.

Similarly, the company has also made use of the impressive research facilities available in the North West, by working in collaboration with University of Liverpool, and University of Manchester.

John Downes, chief executive officer of Langtree and director of Sci-Tech Daresbury, said: “We are delighted by this latest milestone for Quantum Science, a company that embodies so many of the values that are at the heart of Sci-Tech Daresbury. It's been a privilege to support the company on its journey as it has expanded on campus, something that reflects our 'home for life' ethos, and demonstrates our determination to help innovative businesses throughout the North West to thrive by providing key collaboration and product development opportunities.

“Over recent years we have backed the growth of materials companies on the Sci-Tech Daresbury campus such as Quantum Science through the opportunity to scale lab facilities on the site as well as accessibility to key equipment and expertise. This partnership with Nishimura Chemitech will take expertise nurtured here in the Liverpool City Region to one of the most important markets for quantum dots – it's an incredibly exciting time for Quantum Science, and we will continue to support this brilliant business as they go from strength to strength.”

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