



NanoNextNL

Participant Holland High Tech Japan trade mission



Holland High Tech
Global Challenges, Smart Solutions



The Holland High Tech Japan trade mission

12-16 February 2018

co-organised by [Innovatie Attaché Netwerk \(IA-netwerk\)- Tokio](#)



nanonextnl
innovating with micro and nanotechnology

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NanoNextNL is a Dutch national research and technology program in which academic and industrial participants and knowledge institutes collaborate to accelerate the creation of durable economic and societal value by developing and commercializing innovative nano and microtechnology, and by forming a sustainable ecosystem of researchers, entrepreneurs and policy makers.

A total of 13 universities, 8 medical centres, 12 knowledge institutes and 110 industrial partners have collaborated within the NanoNextNL program. NanoNextNL was funded by a subsidy from the Dutch government from the “Fonds Economische Structuurversterking” (125 M€) and by matching funds from academic (69 M€) and industrial (58 M€) partners. ‘

Accelerated transfer to application and business

NanoNextNL has strongly accelerated the transfer from nano/microscience and technology to the creation of new applications and businesses. A large number of product innovations were developed, such as patient-friendly blood tests, tailor-made food and an innovative electron microscope. The participating companies report a more than fourfold return-on-investment for their NanoNextNL innovations, creating a business value of more than 400 M€. In addition, many demonstrators and prototype devices have been made, such as improved solar panels and a quantum cryptography system, which may lead to commercial products in the future. So far, 85 patent applications have been filed.

Innovative business development program

NanoNextNL has developed and executed an innovative business development program, including an entrepreneurial training course, which stimulated the development of 23 novel business cases. So far, eight start-ups have emerged from the program, and four more have strongly benefited from NanoNextNL research. A large number of these companies are exhibiting at the Nano Tech 2017.

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