

Business Tampere – Your business. Our passion

OUR SOLUTION

The Chips from Tampere program helps companies leverage the transformation of global chip value chains and the opportunities provided by the EU Chips Act in Finland.

Chips from Tampere provides access to

- **SiPFAB pilot line** for advanced hybrid System-in-Package integration. SiPFAB is the back-end partner of the EU **WBG** pilot line infrastructure
- The **Finnish Chips Competence Centre FiCCC** and the European network of Chips Competence Centres
- **SoC HUB** as the EU Chip Design Centre of Excellence developing the **Euro Chip Design Platform**.

COMPANY DESCRIPTION

We at Business Tampere match your company with growth opportunities, talent and partnerships in the Tampere Region, Finland and globally.

We offer you our expertise and networks in business development, innovation, investments and internationalization.

Business Tampere is a not-for-profit economic development agency of the Tampere City Region.

CONTACT

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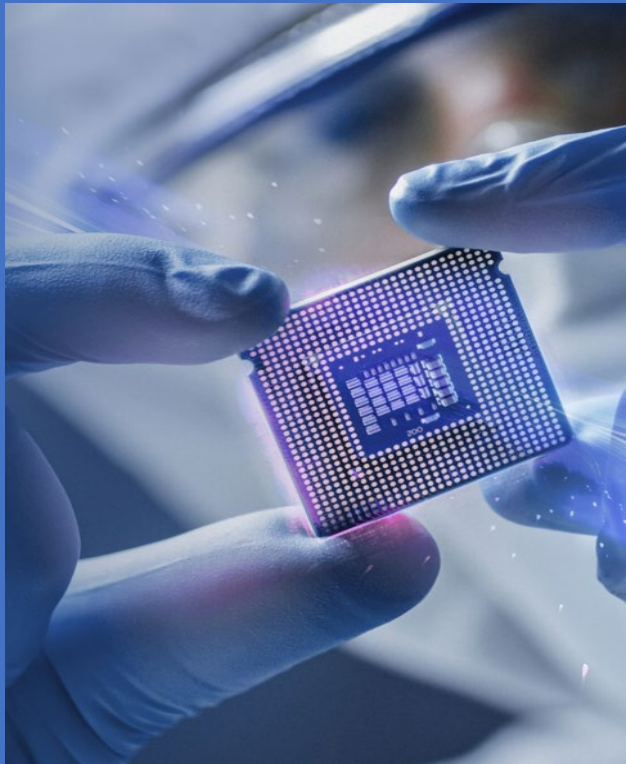
<https://businesstampere.com/>

<https://businesstampere.com/business-environment/business-ecosystems/chips-from-tampere/>

**BUSINESS
TAMPERE**



Chips from Tampere



**BUSINESS
FINLAND**

Oulu's ICT sector

+ **1 000**

tech
companies

+ **1 000**

new talents
annually

+ **25 000**

professionals



> **Read more at ictoulu.fi**

- #1 in R&D investments in Finland and among the top in the EU
- Pioneer in wireless core technology – huge legacy enabling technology development & applications
- Ca. 30 tech domains with dedicated developer sme companies and IPR ownership, such as AI/ML, SoC, Edge AI, Green ICT, IMSE, Robotics, cyber sec. etc.
- Global level initiatives and projects, such as RadioPark, Nokia Campus ecosystem development, Chips Fabless Design development initiative
- Good and developing availability of the talent: SW developers, architects, cloud migration specialists, RFIC & digital SoC devs., Firmware devs., RF applications, IoT developers

KVANTTINOVA ECOSYSTEM

Shaping tomorrow's sustainable chips to systems

OUR VALUE PROPOSITION

To accelerate the development of novel, sustainable semiconductors, Kvanttinova brings:

Companies' private cleanrooms

Cleanrooms adapted to the needs of each company.

Advanced shared-use facilities

New products development and scale-up towards mass manufacturing by using the piloting services and modern facilities.

Specialised R&D capabilities

Benefit from more than 40 years of specialized microelectronics expertise present in the Otaniemi region of Espoo, Finland.

OUR OFFERING

Our RDI hub Micronova has been a vibrant springboard to a host of fascinating, groundbreaking technology companies, such as IQM and SemiQon, and attracted companies to further develop their innovations in the vicinity, such as Dispelix. The multi-user semiconductor piloting environment in Micronova supports the processing of different technologies including micro-electromechanical systems (MEMS) and microoptoelectromechanical systems (MOEMS), quantum devices, radio frequency (RF) components, integrated photonics devices, and 2D materials and post-CMOS processed components.

ABOUT COMPANY

Kvanttinova is an industry-driven ecosystem with piloting and development hub that offers easy access to VTT and Aalto University piloting facilities for development of microelectronics and quantum technology. By uniting talent, technology and businesses, we help create leading innovations in specialized microelectronics and quantum computing.

WHAT KIND OF PARTNER WE ARE LOOKING FOR

Kvanttinova welcomes all aspects of microelectronics and quantum technology into a single community. It is a hotspot for encounters and co-creation. We want to achieve a feeling of togetherness among the different actors in our community through working within the RDI hub, attending various events and co-creating arranged, or even random encounters.

CONTACT

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Pekka Laiho

Chief Business Officer

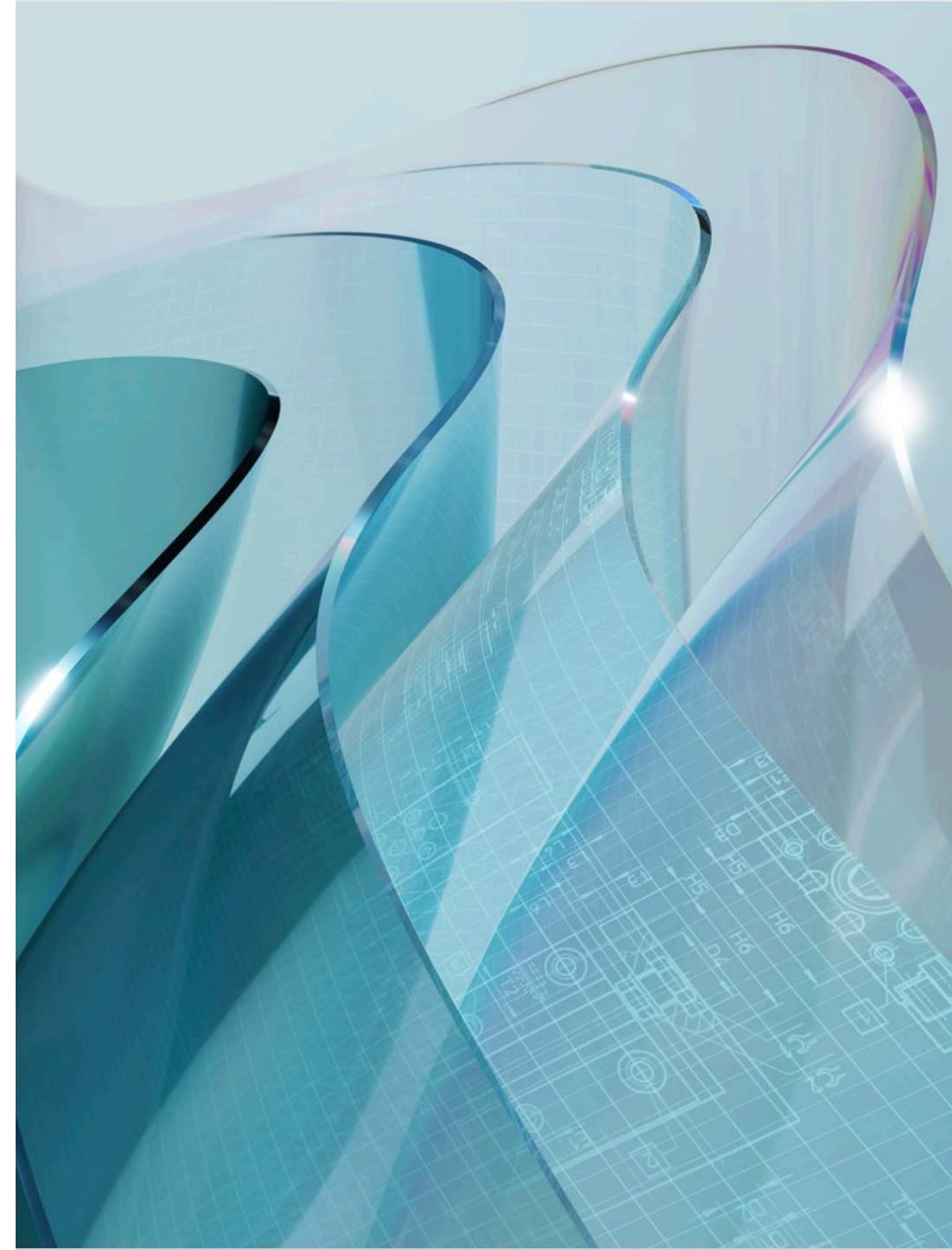
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- OptoFidelity is a world-leading provider of optical metrology systems and high precision hardware test automation solutions for photonics applications, sensors, and display technologies.
- We support the R&D and manufacturing processes of top global consumer electronics brands, enabling them characterize and develop new technologies and products –from lab to mass production.
- Headquartered in Tampere, Finland, OptoFidelity operates globally with a strong presence in the U.S. and APAC regions, and a total headcount of 400+ professionals.





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CEO

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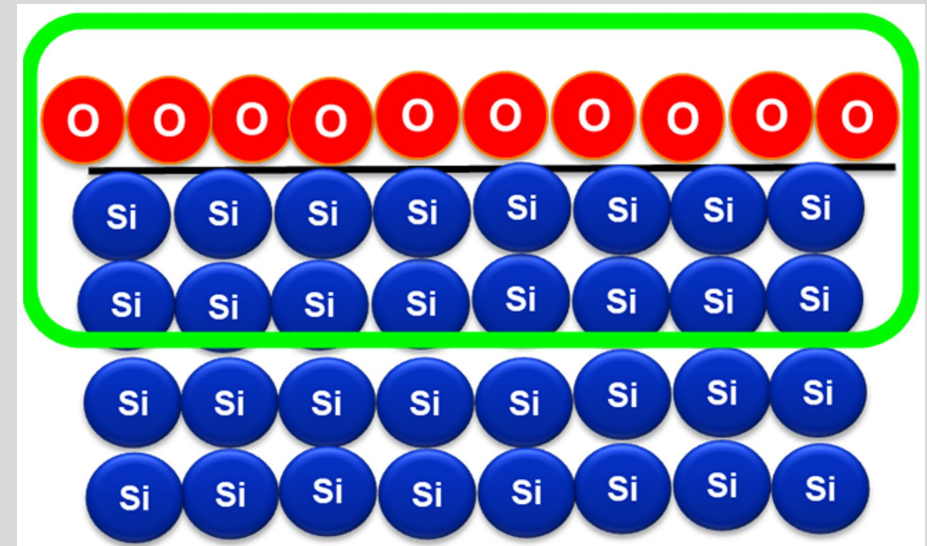
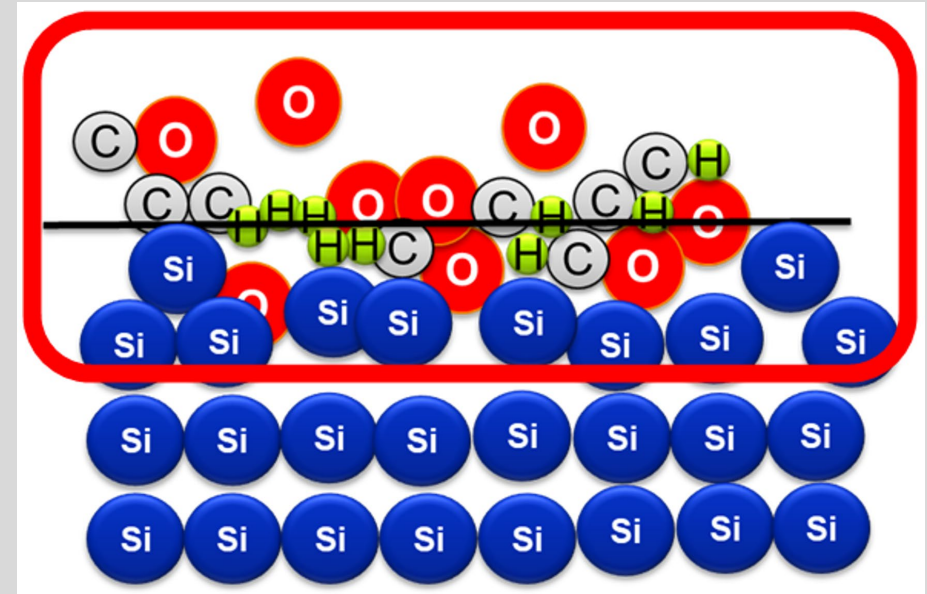
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SisuSemi changes the scope from particle cleaning to atomic-level cleanliness

- SisuSemi treatment is used for silicon wafers during semiconductor manufacturing.
 - Cleans the surface from carbon, hydrogen and dangling bonds.
 - Orders the silicon atoms and makes the surface smooth.
 - Creates a passivation layer that reduces leakage currents.
- Quality and yield up, power consumption down





Tuomas Lahtinen

Director, SiPFAB

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- We are building expertise in system-in-device packaging design and implementation.
- A one-stop-shop for packaging design, execution and analysis.
- We offer access to a world class chips packaging line with related research and teaching activities.
- We offer access to the EU Chips Act *Wide Band Gap* pilot line.





Wisematic 010101
a byte more automation

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Short company description

- With 20 years of experience from industrial automation Wisematic designs and delivers solutions for challenging cases integrating variety of technologies like machine vision and micrometer level movements. We have done automation for packaging and flipping of chips, assembly of medical needle and compass needles.
- Customized solutions matching customer needs in manufacturing, assembly, and quality control with sorting.
- In-house skills, e.g.: mechanical & electrical design and assembly, SW coding, robotics & grippers, machine vision

