

Chips from Tampere

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NEW YORK TIMES BESTSELLER

“Pulse quickening. If any book can make general audiences grok the Silicon Age—and finally recognize how it rivals the Atomic Age for drama and import—*Chip War* is it.” —*THE NEW YORK T*

CHIP WAR

*The A.I. Chips War Could Heat Up
This Summer*

Shares in the semiconductor giants Nvidia and AMD fell on

May 31, 2023

Chips war? Global production network
geopolitics in the post-pandemic US a

The Great Chips W

Oct 18, 2022 | CARL BILDT

Following the US Commerce Department's announcement

Is the chips war
between US and China
reaching tipping
point?



Three pillars of the Chips Act

€ 43 Billion

European Semiconductor Board (Governance)

Pillar 1

Chips for Europe Initiative

- Initiative on infrastructure building in synergy with the EU's research programmes
- Support to start-ups and SMEs

Pillar 2

Security of Supply

- First-of-a-kind semiconductor production facilities
- + Design Centres of Excellence

Pillar 3

Monitoring and Crisis Response

- Monitoring and alerting
- Crisis coordination mechanism with MS
- Strong Commission powers in times of crisis

An aerial night view of a modern city, likely Tampere, Finland. The image shows several tall, illuminated skyscrapers and a dense urban landscape. A prominent feature is a series of bright, orange and red light trails that sweep across the lower right portion of the frame, suggesting a high-speed train or a futuristic transit system. The overall atmosphere is one of modernity and technological advancement.

Nyt mitataan Suomen
SIRUKYKY

Chips from Tampere – Why?

We need to effectively implement the Chips from Finland initiative to leverage the global transformation of value chains and the opportunities provided by the EU Chips Act.

Tampere boasts globally competitive expertise and competence base, particularly in **system-on-chip design** and development, manufacturing and integration of **III-V compound semiconductors**.



Chips from Tampere – What ?

The Tampere region has a genuine opportunity to

- **Establish a leading European design hub**
- **Foster new chip innovations and business ventures**
- **Attract investments – including chip integration, packaging and fabrication.**

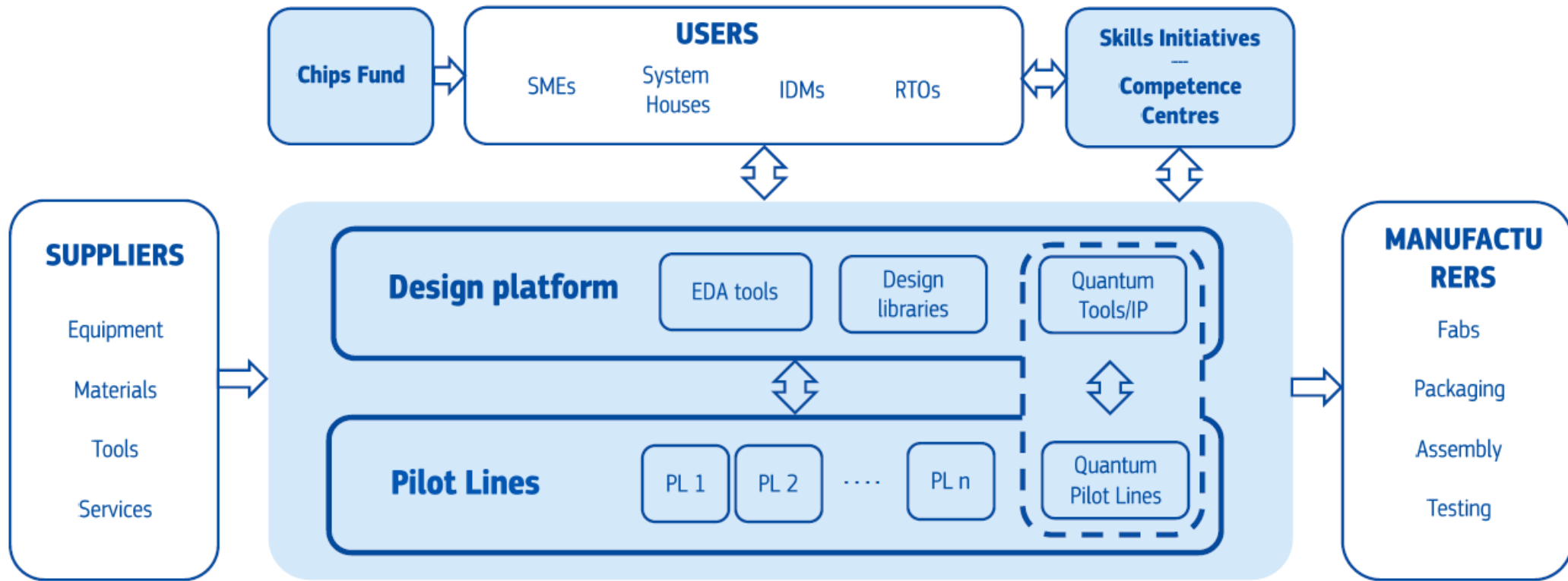
Companies and ecosystems in the Tampere region can widely benefit from the strengthened design and development expertise to be fostered through the program. Chips will provide our key industries with a significant competitive advantage.

The program can secure supply chains, enhance security-related activities, and increase business resilience in the region.

Chips for Europe Initiative

Bridging the gap from lab to fab

EUR 6 billion+ EU & Member States funding foreseen



7



Chips from Tampere – action plan 2023-26

Activities and objectives 2023-24

Ecosystem visibility & development

Development of Chip Act operational models

Strategic project roadmapping

Policy influence and EU collaboration, Chips from Finland



Chips Competence Centre for Finland

Design Platform & Centre of Excellence plan

Pilot line concept and plan

FI matching funding

International partnerships

Subprojects and objectives 2025-26

Chip Design Excellence: education, RDI, new business development

SiPFAB Pilot Line development

Global investor and partnership attraction

Roadmap to advanced chip fabrication



New design centers & startups

Hybrid System-in-Package Fabrication (SiPFAB)- pilot line

Application specific microelectronics & photonics SiPS

Advanced fabrication investments

Nokia 5&6G Roadmap / FI Chips from the North Strategy / Chip investments in EU / Chips JU / SoC HUB + SiPFAB Roadmaps...



Seeds of the Tampere Chip Ecosystem Development

The semiconductor value chain

Core value chain

Wider ecosystem

Business models

SIX
Sustainable
Industry X

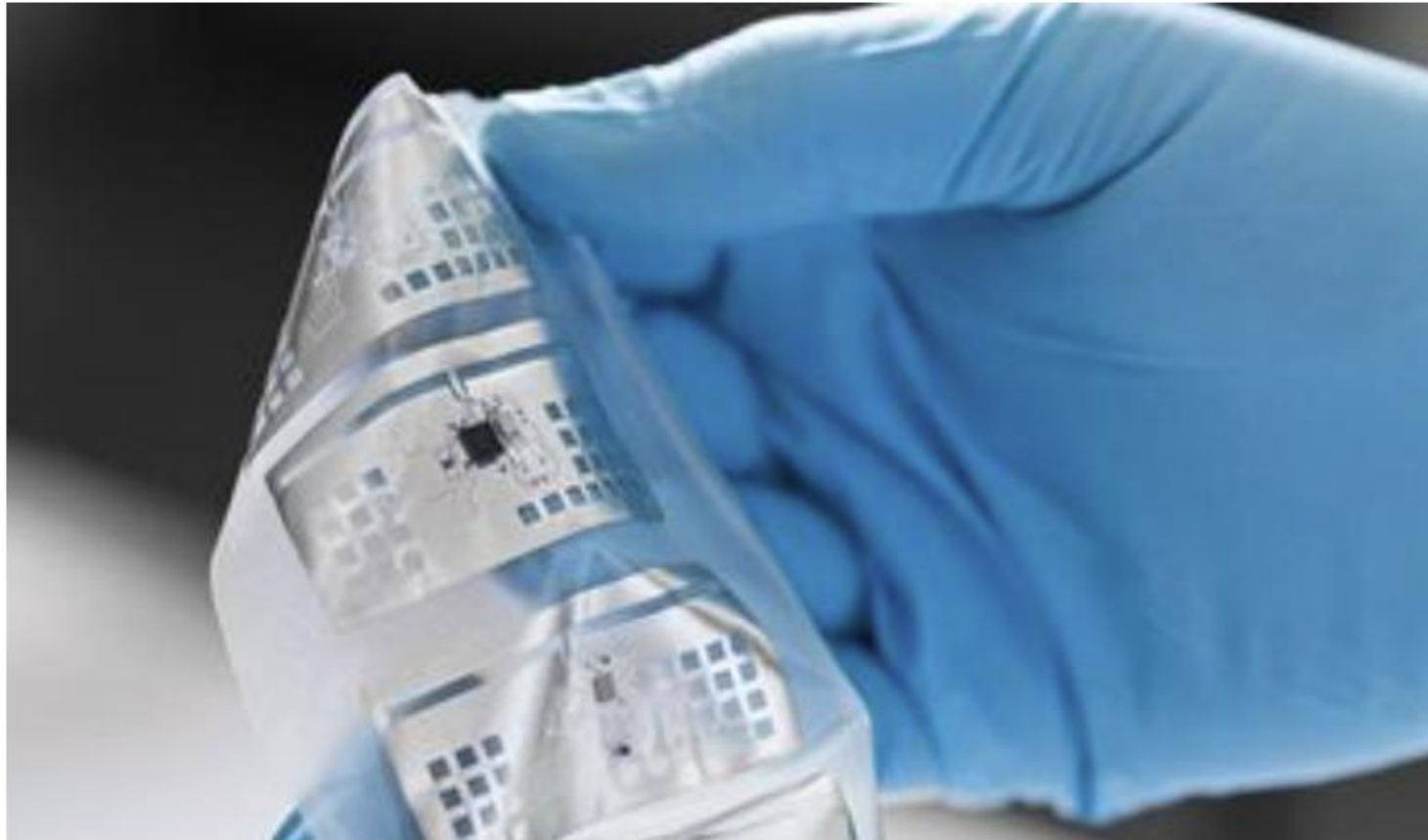
DIGITAL
DEFENCE
ECOSYSTEM



Tampereelle rakennetaan puolijohdesirujen paketoinnin pilottilinja – Yliopisto sai 40 miljoonan euron rahoituksen

TAMPERE.
FINLAND

🕒 12.4.2024



Eurooppa on herännyt siruomavaraisuuden tarpeellisuuteen. Tampere on noussut siruosaamisen ja sirujen teollisen kehityksen keskittymäksi.

An aerial night view of a modern city with several tall, illuminated skyscrapers. The city is lit up with warm lights, and there are prominent orange and red light trails streaking across the scene, suggesting a fast-paced or futuristic environment. The text is overlaid on the center of the image.

Nyt mitataan Suomen
SIRUKYKY