

**BUSINESS
FINLAND**

SUSTAINABLE MANUFACTURING FINLAND

Duration: 1.1.2020 – 31.12.2023



WHY PROGRAM ON SUSTAINABLE MANUFACTURING?

Blend of Ecology and Economy

- To fight climate change, companies shall reinvent their business practices
- Environmental integrity of a business shall go hand-in-hand with financial profitability
- Productivity is the biggest challenge for our national economy*
- Sustainable value creation is an opportunity to develop competitive edge



WHY PROGRAM ON SUSTAINABLE MANUFACTURING?

Blend of Ecology and Economy + **Resilience**

- Resilience = the ability to recover from or adapt to an unexpected change (e.g. realized risk)
 - needs to be systematically designed, planned and built in advance
- Short term action plan: **diversification**
 - Supply and demand management
 - Customer and partnership management
- Long term action plan: **strategic** development
 - Strategy and scenario rework
 - Governance practices
 - Procedures
 - People management



FOCUS INDUSTRIES – TO BEGIN WITH...

Machine & Equipment Industries

- Machines, moving work machines, metal products, vehicles
- Turnover (2018): 31,7 mrd €
- Personnel (2018): 133 000
- Some examples*: Ata Gears, Cargotec, Katsa, Kone, Konecranes, Metso, Normet, Patria, Ponsse, Sandvik, Tampereen konepajat, Toijala Works, Valmet, Valtra, Wärtsilä

(Opto)Electronics and Photonics Industry

- Telecommunication, healthcare devices, electric & photonic devices
- Turnover (2018): 15,3 mrd €
- Personnel (2018): 38 600
- Some examples*: Beneq, Canatu, Ensto, Helvar, Murata, Nanocomp, Okmetic, Picosun, Planmeca, Polar Electro, Scanfil, Selmic, Suunto, Vacon, Vaisala, VTT

Smart Manufacturing i.e. Solutions for 'Factories of the Future'

- Automation, AI & data analytics, new business models, robotics, 3D printing
- Turnover (2018): n.a.
- Personnel (2018): n.a.
- Some examples*: Aava, Basen, Bluugo, Combiworks, Curious AI, Delfoi, Distence, Fastems, Haltian, Mevea, Process Genius, Protacon, Remion, Roima, Simanalytics, Solita, Stereoscape, Tosibox, Quva, Wapice, Wirepas

*Note that the companies are chosen to represent the target sector or a type of company

WHY JOIN THE PROGRAM?

We provide a framework for:

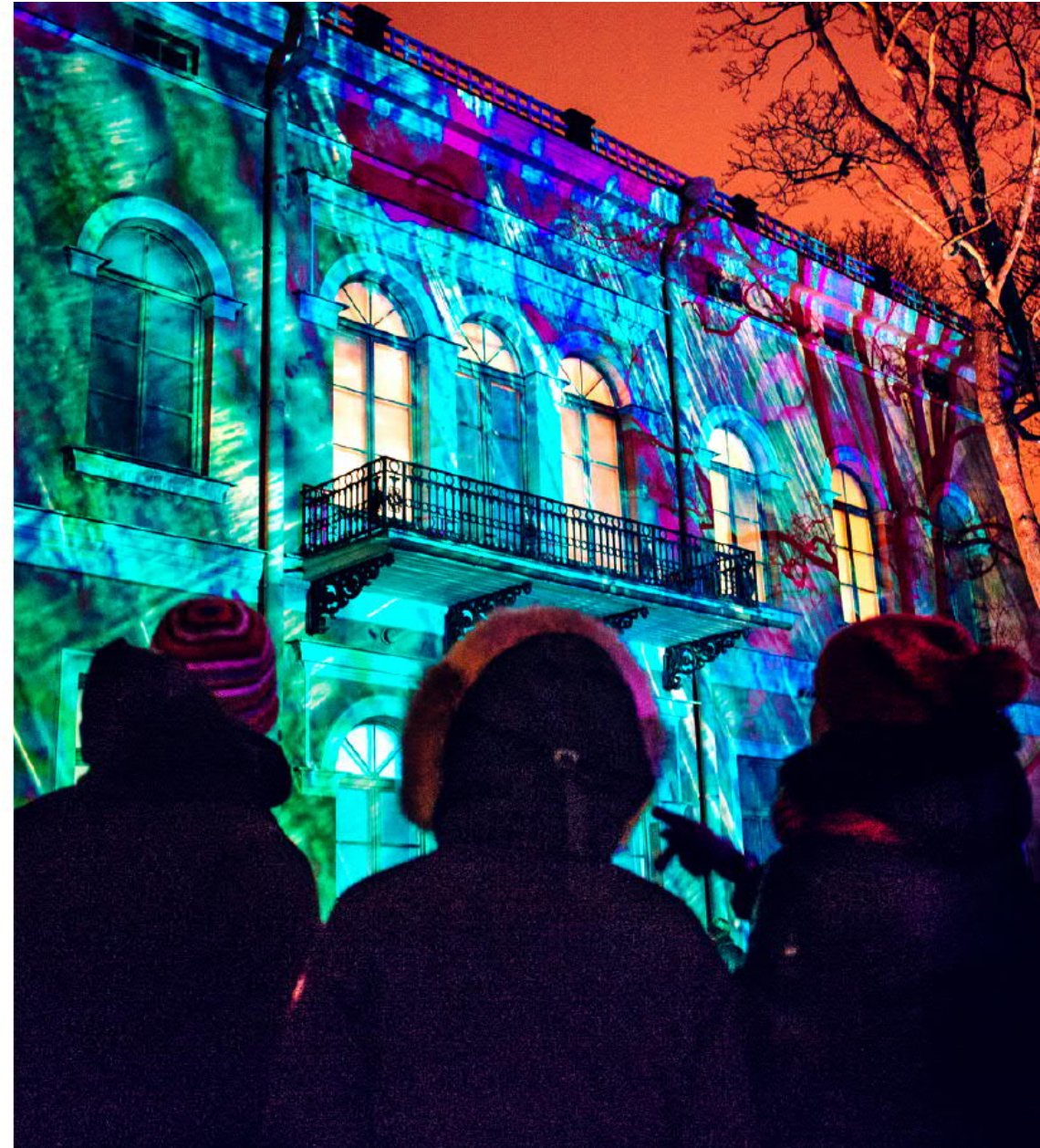
Research, Development and Innovation

We help Finnish companies and institutes to find **partners** both nationally and internationally and provide **funding** for their collaborative renewal efforts. Particular emphasis on *EU networks and funding, and attraction of talents.*

New Markets and Business Opportunities

We help companies develop their competitiveness and find **business opportunities** in international markets.

We help companies find larger business opportunities together in international markets than they alone could.



WHO IS IT FOR?

SMEs

To participate in collaborative R&D domestically and internationally

Funding for renewal

To increase competitiveness and position in (global) value chains

To find new international markets

Large Enterprises

To deepen the collaboration with domestic innovation ecosystems

To develop subcontracting networks

To enter new markets together with surrounding business ecosystems

Research Institutes

To expand international co-operation

Develop subcontracting networks

Funding for R&D&I

To develop the surrounding business ecosystem(s)

Universities

To create and strengthen surrounding research & innovation ecosystems

To deepen and develop both national and international collaboration

Funding for R&D&I

Foreign Enterprises

To join Finnish innovation ecosystems

To participate in Finnish value networks and business ecosystems

ESSENTIAL SERVICES

Renewal: R&D&I Promotion

Events for networking, partnering, and building consortia both nationally and internationally

Innovation collaboration and funding in Finland and Europe

EU collaboration and funding opportunities

Find out more at:

1. [Services for Ecosystems](#)
2. [BF Funding](#)
3. EU Funding:
 - [Horizon2020](#)
 - [EU Programs](#)

New Markets and Export Promotion

Workshops for building joint offerings and preparation of market entry

Business opportunities in foreign markets

Meetings with potential customers

Find out more at:

1. [Advice and Coaching](#)
2. [Business Delegations](#)

Foreign Direct Investments to Strengthen Ecosystems

Service directed to foreign companies but business opportunities developed together with the members of the Finnish ecosystems

Business opportunities for foreign companies in Finland

Find out more at:

[Invest in Finland](#)

Talent Attraction Activities

Skills and expertise through events targeted to work-related migration at focus markets

Find out more at:

[Talent Attraction](#)

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**THANK YOU FOR
YOUR ATTENTION**



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