



BUSINESS
FINLAND

SUSTAINABLE MANUFACTURING FINLAND

Duration: 1.1.2020 – 31.12.2023

5.3.2020 Program Launch

Scandic Park, Helsinki

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 MANUFACTURING?

1. Significant impact on productivity and economic growth
 - Investments in R&D particularly significant
2. Achieving both economic and environmental sustainability requires transformation
 - Exportable products and services
3. Climate change opens business opportunities

Manufacturing is the **backbone of Finnish economy and a foundation for growth,**

in 2018:

51%
of export

30%
of labor force

28%
of GDP

SUSTAINABLE MANUFACTURING FINLAND

MISSION:

Improve **competitiveness** and **carbon handprint** of manufacturing industries in Finland

OBJECTIVE:

Help Finnish manufacturing ecosystems to achieve **global leadership** in sustainable manufacturing through collaborative **innovation** and **business renewal**

GOALS:

- Growth through business renewal and development of export value
- Competitive advantage from e.g. low-carbon technologies and lean manufacturing
- Increased operational efficiency by reducing costs and waste
- Improved productivity through better use of data and digitalization
- Etc.

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

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

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

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

New Markets and Export Promotion

Workshops for building joint offerings and preparation of market entry

Business opportunities in foreign markets

Meetings with potential customers

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

Talent Attraction activities

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

EVENTS AND ACTIVITIES

General

5.3.2020	Program launch
2.4.2020	CTO Forum: Sustainable and Smart Manufacturing (Helsinki)
5.6.2020	Sustainable Manufacturing day (Lahti)
17.11.2020	Teollisuuden tulevaisuus (Sokos Hotel Tornio, Tampere)

Innovation promotion

6.4.2020	EU networks and funding info (Café Amanda, Helsinki)
14.4.2020	EU networks and funding info (Tampere-talo, Tampere)
22.4.2020	EU networks and funding info (Business asema, Oulu)

Export promotion

April 2020	Kick-off seminar for 'Factory of the Future' joint offering (Oulu)
1. – 2.4. 2020	Robotics and Automation Workshop (Helsinki)
31.3. – 3.4.2020	Global Industrie 2020 - AI Village, Paris
29.6. – 1.7.2020	Ministerial Delegation / MyData Asia 2020 (Tokyo, Japan)
27. – 29.10.2020	Innovation Leaders Summit (ILS), Tokyo, Japan

Investment promotion

TBD

Talent promotion

TBD

Please follow program [website](#) for up-to-date information

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THANK YOU FOR YOUR ATTENTION

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