





businesstampere.com #businesstampere

Take a leap with Business Tampere!

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

Our 45 advisors offer you expertise in:

Business service development

Business environment

Invest in and internationalisation opportunities

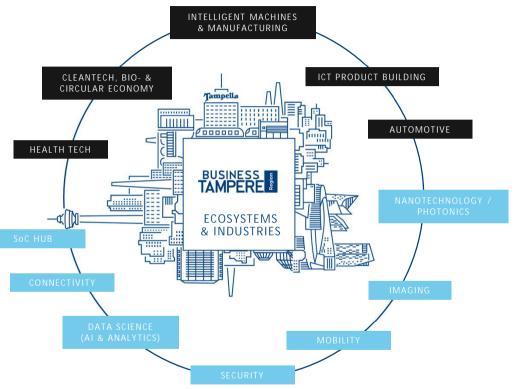
Your business. Our passion.





Top Industries and Ecosystems in the Tampere Region

To support the business growth and to boost innovations in the region and beyond.





What do we offer?





Invest in, export and business development services



Funding advisory services and growth support



Strong public-private and R&D collaboration



Matchmaking and networking events



Visibility for climate actions, peer support from other ecosystem members



Tampella

National and international cooperation networks







Examples of key strategies

FU level

- EU Mission The City of Tampere was chosen as one of the 100 EU Mission: Climate Neutral and Smart Cities by 2030
- Circular Cities and Regions Initiative <u>Tampere Region was chosen as one the pilot areas in Circular Cities and Regions</u>
 <u>Initiative</u>

National

- Carbon Neutral Municipalities network (HINKU)
- Circular Economy Green Deal scenario work with regional stakeholders <u>Circular Economy Green Deal</u>

Regional

- Tampere Region economic development strategy <u>"Superior capacity for renewal sustainable growth"</u>
- Sustainable and dynamic Tampere Region

Local

- <u>Carbon Neutral Tampere 2030 roadmap</u>
- <u>Circular Economy plan of the City of Tampere</u>



EU networks

100 climate-neutral and smart cities by 2030

- These cities act as experimentation and innovation hubs
- Tampere + 5 other cities from Finland

Circular Cities and Regions Initiative

- Supporting Europe's circular economy at local and regional level
- Greater collaboration opportunities with the CCRI community
- First-hand information on relevant knowledge, tools and events
- Increased visibility for commitments and actions through the CCRI channels
- Tampere Region is one of the pilot areas
- Ongoing CCRI project funded by Horizon Europe:
 - TREASoURcE www.treasource.eu
 - Focus on developing, demonstrating and implementing systemic CE solutions for plastics, reuse of FV batteries and bio-based side streams

Territorial and regional demonstrations of systemic solutions of key value chains and their replication to deploy circular economy













Circular economy and cleantech in Tampere City Region



- We offer both domestic and international opportunities for business partnership, R&D collaboration and investments
- Regular ecosystem events and activities are organized for networking and matchmaking opportunities
- ECO3, Taraste, Hiedanranta and LEMENE the major circular economy platforms connect companies, public sector and research institutions
- Tampere regional climate partnership engages companies and communities in pursuing a carbonneutral city region in cooperation with the Sustainable Tampere 2030 program – over 130 partners already on board!

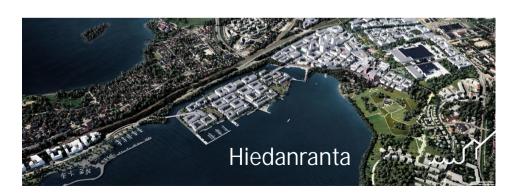


Examples of key platforms connecting companies, R&D and public sector



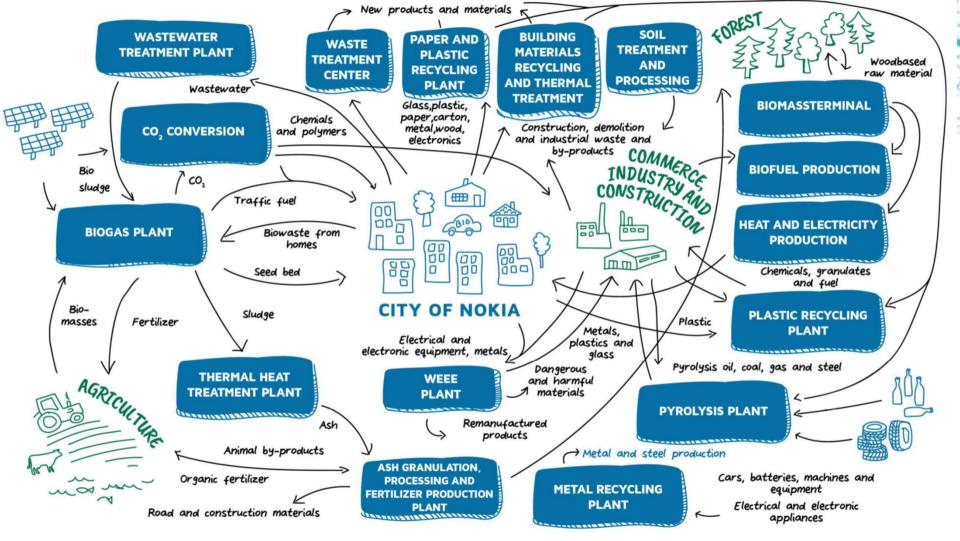












In 2030, the share of renewable energy sources will be 90 per cent.











New technologies

New products and

energy saving















Emission

compensation





Flue gas scrubbers



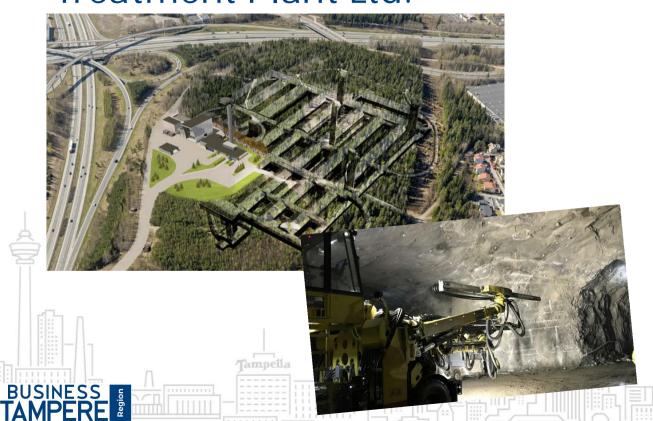
Naistenlahti 3

Closure of the **Virtual district** gas-fired power heating accumulator plant in Lielahti

ENERGY TURNAROUND

2020

Tampere Region Central Wastewater Treatment Plant Ltd.



- 350 M€ investment
- Construction 2018-2025
- Underground facility for handling the waste waters of Tampere and surrounding municipalities
- Serves > 400,000 citizens by 2040
- Capacity 100 000 m3/d
- Self-sufficient in energy



New biowaste treatment plant



- Situated in ECO3 area,
 23 M€ investment
- Operation started in 2022
- Two lines: bio and sludge
- Capacity 34 000 t/y
 - Bio 24 000 t/y
 - Sludge 10 000 t/y
- End-products: Fertilizers, soil, biogas





Power-to-Gas co-operation project



Tampere's Power-to-Gas project progressing in a strong tailwind

Tampereen Sähkölaitos and Nordic Ren-Gas have signed a project development agreement for the Tampere Power-to-Gas. The plant will be producing renewable methane, green hydrogen and district heating. The Power-to-Gas plant to be built in Tampere at Tarastenjärvi received the biggest green energy transition investment grant in history from the Ministry of Economic Affairs and Employment.

• READ ARTICLE







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Total investment ~150 M€, 46 M€ investment support Timeline: Start of construction 2024, in operation 2026 1st phase 20 MW, annual fuel production 12,000 tons Final phase 60 MW, annual fuel production 35,000 tons Up to 110, 000 tons of yearly CO2 capture from the WtE plant





The treasure in resources



TREASOURCE aims to initiate systemic change by developing technologies and systemic circular economy (CE) solutions in cities and regions for currently underutilized or unused plastic waste, end-of-life electric vehicle batteries and bio-based side and waste streams

Implementing these solutions together with companies, societies (including citizens, consumers, communities and regional actors) and experts in the field is expected to significantly increase product and material circulation in the Nordic and Baltic Sea Regions.

Project objectives

Demonstrated
environmental, social,
economic and political
impacts of the systemic
CE solutions (Circular
plastics, batteries, and
biobased side and
waste streams)
in the Nordics

Replicated locally tailored systemic CE solutions in the Baltics and Poland and beyond

> Inclusive and just transition to CE for all supported by high level cooperation with all relevant stakeholders

Systemic Circular Economy Solutions

Key Value Chain Demonstrations









Circular plastics Circular batteries

Circular biobased side and waste streams

Stakeholder Engagement Demonstrations

Local and regional economies and actors have a big role in **TREASOURCE.**The implemented demonstrations will formulate new value chains and business opportunities reaching through the urban-rural settings. The combination of the cities and regions will enable large reach and bigger impact and boost the replicability and scalability potential of the developed solutions.

Demonstration areas Finland, Norway, Sweden, Denmark

Replication areas Estonia, Latvia, Lithuania, Poland, Northern Germany



KVC-DEMOs: Circular biobased side and waste streams for biogas and fertilizers

Objectives

- To find ways of use and business opportunities for currently unused biobased side and waste streams. In particular, we focus on side streams of agriculture and forestry
 - Focus on biogas production and nutrient recycling
- Powering local economies through circular bioeconomy

Main activities

- The project develops a digital marketplace for biobased side and waste streams.
 - KiertoaSuomesta.fi, CircularFinland.fi
 - Piloting will be done in Finland and the model will be replicated in other region s
- Rural-urban symbiosis model will be developed to strengthen local circularities





biobased side streams

E-market platform for bio-based side streams

- The platform serves as a marketplace for bio-based side streams, connecting sellers and buyers
- Examples of side streams
 - manure, sludge
 - contaminated feed
 - grass
 - straw
 - berry seeds and skins
 - logging residues
 - bark
 - wetland vegetation







Upcoming TREASoURcE event on 29.5.!

Local circular economy solutions to global challenges – Exclusive look at the first results from TREASoURcE demos – 29.05.2024 between 9.00-16.00 CEST

Join the thematic sessions:

- Circular Plastics 9.00-11.00
- Circular Batteries 12.00-13.45
- Bio-based Side Streams 14.00-16.00



Read more and register through here!



