



Green Net Finland project references

Top-expertise in cleantech development projects since 2001

List of main project references during 2014-2024



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ERKKI - Optimising Energy Efficiency in Challenging Public Cultural and Leisure Facilities

DURATION: 03/2024-08/2026

CONSORTIUM: Green Net Finland (FIN), Forum Virium Helsinki (FIN)

FUNDING INSTRUMENT: ERDF

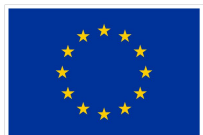
PROJECT OBJECTIVE: The main objective of the 'ERKKI – Optimising Energy Efficiency in Challenging Public Cultural and Leisure Facilities' project is to develop and co-create innovative, technological, and digital solutions to enhance the energy efficiency of challenging public cultural and leisure properties, thereby increasing business opportunities for solution providers.

GNFs' ROLE: GNF is the lead partner of the project and responsible of establishment and facilitating a stakeholder group. It conducts a background study of the energy solutions already in use in public properties.



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PLUS+T Exchanging practises and enhancing in the field of sustainable transports



DURATION: 11/2023-11/2025

CONSORTIUM: County Administrative Board of Östergötland (SWE), Sweden Emilia Romagna Network (ITA), Landkreis Enzkreis (GER), Green Net Finland (FIN)

FUNDING INSTRUMENT: EU Erasmus Plus

PROJECT OBJECTIVE: build knowledge among the partners and exchanging experiences of the local and regional level of governance when it comes to sustainable transports. The desired outcomes will form a base for future collaborations and joint applications

GNFs' ROLE: GNF is responsible of organizing the international green transportation seminar in Finland in spring 2024



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BLOCKCC- Block the Climate Change



DURATION: 01/2023-06/2025

CONSORTIUM: Green Net Finland (FIN), Metropolia University of Applied Sciences (FIN), Aalto University (FIN)

FUNDING INSTRUMENT: ERDF

PROJECT OBJECTIVE: The BLOCKCC project develops a comprehensive way to promote block-level energy cooperation for the development of district heat production methods, to find innovative solutions that speed up the energy transition. The co-development/market dialogue and simulation of selected solutions is structured around two different types of cases: a new residential area under construction of residential area in Ainola in Järvenpää and existing housing company in Kisakylä in Helsinki. In accordance with the principles of cooperation, the understanding of customers, financiers and suppliers of various thermal energy solutions is developed regarding the options available throughout the entire life cycle of the system.

GNFs' ROLE: GNF is the lead partner of the project and responsible of establishing and facilitating of a stakeholder group and development of preliminary concept of block-level heating energy solutions for research case study of a new residential area under construction.



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DigiPurku - Digital solutions aiming to effective and sustainable demolishing processes of buildings



DURATION: 01/2023-06/2025

CONSORTIUM: Green Net Finland (Lead partner) (FIN), Metropolia UAS ((FIN)), Sykli Environmental school ((FIN)), HAMK Häme UAS (FIN)

FUNDING INSTRUMENT: ERDF

PROJECT OBJECTIVE: DigiPurku-project aims to develop and take into use digital solutions aiming to effective and sustainable demolishing processes of buildings, particularly solutions for collecting and organizing data and communicating the information of the to-be-demolished buildings, such as their materials and the construction parts which they contain.

GNFs' ROLE: GNF is the lead partner of the project and responsible of establishment and facilitating of a stakeholder group, enhancing project visibility and administration. GNF works with the selection of the pilots.

StartSun Start-ups for Solar Energy Communities

DURATION: 11/2023-10/2026

CONSORTIUM: County Administrative Board of Östergötland LP (SE) Lead Partner, Society "Zemgale Regional Energy Agency" (ZREA) (LV), Estonian University of Life Sciences (EE), Uppsala University (SE), Green Net Finland (FIN), Society "Green Liberty" (LV), Tartu Regional Energy Agency (EE), Åtvidaberg municipality (SE), Jelgava City municipal institution "Central Administration" (LV), Jekabpils County Council (LV), University of Tartu (EE), Co-operative Seto Aiad (EE), Kalevipoja Koda Foundation (EE)

FUNDING INSTRUMENT: Interreg BSR

PROJECT OBJECTIVE: Project aims to support the creation and development of Solar Energy Communities in different regions in the Baltic Sea Area. StartSun project will tackle the start-up challenge of establishing energy communities by creating the necessary knowledge, documentation and first experience-pilots thus enabling further creation of energy communities in BSR, using the locally available resources, serving its greater energy independence in electricity sector and keeping jobs in the communities.

GNFs' ROLE: GNF is responsible for activities in Finland and it leads the Solar Energy Communities Start-Up-Package development in the project. In Finland it implements 2-3 research study cases and participates in the feasibility calculator development and testing.



Co-funded by the COSME programme
of the European Union

GreenTech 2.0



GreenTech

Clusters for Excellence 2.0

DURATION: 02/2022-01/2024

CONSORTIUM: Tehnopol Science Park, Tallinn, LP (EST), Green Net Finland (FIN), Dalarna Science Park (SE), Kaunas Technology and Science Park (LT) and Poznan Science and Technology Park (PL)

FUNDING: EU COSME programme

PROJECT OBJECTIVE: Develop the quality of managing the cluster networks of project partners, Develop new services for network members, Organize exchange visits for organizations outside the networks. The purpose of the study visits is to develop and innovate new opportunities for participating organizations. Visitors can be representatives of a wide range of organizations, including SMEs, training organizations, RDI organizations and public organizations.

GNFs' ROLE: GNF is responsible for the ClusterXchange program work package, which aims to carry out a significant number of international co-operation visits between partner regions in two different phases.



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Cool4City - Clean Green City by Smart Waste Management



DURATION: 02/2021-12/2022

CONSORTIUM: Helsinki Region Environmental Services HSY, Metsäsairila Oy, Mikkelin Toimintakeskus ry/ Uutta elämää -Group, Green Net Finland ry

FUNDING Instrument: SEFRCBC

PROJECT OBJECTIVE: The project will influence a wide range of target groups from public local authorities to students and children studying in cross-border region. Cool4City will try to speak the “language” of each target group developing comprehensive, colourful and simple information visual materials.

GNFs’ ROLE: Description of operational models and practicalities of municipal solid waste management in Finland



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Cata3Pult - Catalyzing new green business with public-private cooperation



DURATION: 2019-11/2022

CONSORTIUM: In Finland: City of Lappeenranta (Lead Partner), Green Net Finland, Metropolia University of Applied Sciences

FUNDING Instrument: South-East Finland cross border collaboration

PROJECT OBJECTIVE: Catalyzing new green business with cross-border and public-private cooperation in South Karelia, Helsinki and St. Petersburg area

GNFs' ROLE: Facilitation of circular economy expert group, co-developing on business cases, writing of market watch reports and development of operation models for expert groups



ASIA-CLEAN – Expand your business to China and Malesia

DURATION: 04/2019-12/2021

CONSORTIUM: GNF, Tehnopol Science Park (Tallinn), Turku Science Park

FUNDING Instrument: Interreg Central Baltic (CB)

PROJECT OBJECTIVE: The project boosted new exports of cleantech and green technology products and services from Finland and Estonia to North-East China and Malaysia. The business focus was on products and services reducing anthropogenic emission into the environment. The project exceeded its targets and created 12 deals to participating SMEs (target was 10).

GNFs' ROLE: Coordination, responsible for North-East China activities

ASIA-CLEAN
Expand your business to China or Malaysia





Vipuvoimaa
EU:lta
2014–2020

HYPPY– Rakennusosat ja materiaalit kiertoon – kokeiluilla uutta liiketoimintaa



DURATION: 9/2019-3/2022

CONSORTIUM: GFN, HAMK Uni of Applied Sciences, SYKLI, Metropolia Uni of Applied Sciences

FUNDING Instrument: ERDF

OBJECTIVE: to develop working concepts of reutilizing building parts and materials for municipalities. Such concepts enable growth of new business related to circular economy. With the practical experiments in HYPPY, inspiring and tested examples of such concepts are demonstrated. In addition, HYPPY yield useful information of the applicability of already existing international concepts to Finland. The practical experiments of HYPPY are based on the development needs identified in participating municipalities (Helsinki, Hämeenlinna, Forssa, Riihimäki). The project made tests on a to-be-reused concrete wall slab. It also investigated the use of green funding in demolition projects. A comprehensive final report in FIN is available at the GNF website.

GNFs' ROLE: Project coordination, arranged workshops, co-develop working models



Vipuvoimaa
EU:lta
2014–2020

SHOPS2HUBS – Reuse centre 2.0



DURATION: 9/2019-12/2021

CONSORTIUM: GFN, Stadin Ammattiopisto (Helsinki), SYKLI, Metropolia Univ. of Applied Sciences

FUNDING Instrument: ERDF

OBJECTIVE: SHOPS2HUBS – Reuse Center 2.0 project develops new circular economy HUBs to selected pilot sites at Helsinki-Uusimaa region in Finland. The circular economy HUB enhances co-operation and networking of entrepreneurs and craftsmen and enables reprocessing of existing used goods and materials at the recycling center. The project exceeded the target of low-carbon actions at participating companies.

GNFs' ROLE: Coordination, lead of the concept development WP



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Uudenmaan kiertotalouslaakso -esiselvitys



DURATION: 04/2021-11/2021

CONSORTIUM: VTT, CLIC Innovation, HSY, GNF

FUNDING Instrument: UKKE/AKKE

PROJECT OBJECTIVE: The project creates a concept for developing the Circular economy ecosystem in the Helsinki-Uusimaa region. This includes mapping value chains and actors, finding key players and developing circular economy indicators, as well as creating a strong foundation for the circular economy valley of Uusimaa. The project brings together the most important actors in Uusimaa in different areas of the circular economy.

GNFs' ROLE: Lead partner, lead of the concept development WP

Energize Co2mmunity

DURATION: 10/2020 – 12/2021

CONSORTIUM: Kiel University, Lead (DE), Green City Experience GmbH (DE), Heinrich-Böll Foundation Schleswig-Holstein e.V. (DE), Municipality of Middelfart (DK), Tartu Regional Energy Agency (EST), Green Net Finland (FIN), Kaunas Regional Energy Agency (LT), Riga Planning Region (LV), Aalto-University (FIN). Finnish Pilot is run by: GNF and Aalto University (School of Arts, Design and Architecture). The Associated partner Municipality of Lapinjärvi is collaborating and co-funding with the project.

FUNDING Instrument: Interreg BSR

PROJECT OBJECTIVE: Energize Co2mmunity project launches real-life pilot projects of renewable community energy in the Baltic Sea region. Citizens facilitate, implement and co-finance renewable energy projects from different local sources (e.g. solar, wind, biomass, geothermal).

GNFs' ROLE: Lead the Lapinjärvi Husulanmäki FIN-pilot.



HUKATON - New business and collaboration models for efficient waste heat recovery and heat storage in the built environment



Vipuvoimaa
EU:lta
2014–2020

DURATION: 2018-2020

CONSORTIUM: Green Net Finland, Aalto University, Turku University of Applied Sciences and GTK Geological Survey Finland

FUNDING Instrument: ERDF

PROJECT OBJECTIVE: Creation of new holistic concepts for heating of buildings, consumer response and energy storage that are energy efficient and economically viable and based on new and smart value chains between various solution providers. A [comprehensive final report in FIN](#) is available at the GNF website.

GNFs' ROLE: Coordination, state-of-the art analysis, involving of solution providers and business models development.



Co2mmunity - Co-producing and co-financing renewable community energy projects

DURATION: 2017-2020

CONSORTIUM: GNF, Aalto university, Thermopolis and Regional Council of South Ostrobothnia, Kiel University (LP) Germany, Heinrich Böll Stiftung, Green City Development, Middelfart municipality Denmark, TREA Estonia, Energikontor Sydost Sweden, Riga Planning region Latvia, KREA Lithuania and Foundation of Sustainable Energy Poland

FUNDING: EU INTERREG Baltic Sea Region

PROJECT OBJECTIVE: Catalyzing community energy projects through local renewable energy cooperative partnerships (RENCOP). Co2mmunity will initiate and manage a RENCOP. A transnational exchange of RENCOPs will result in a transferable RENCOP model, enabling a transnational catch-up process between frontrunners and followers and enhancing the capacity of local, regional and BSR-wide actors to foster CE.

GNFs' ROLE: Management of Uusimaa RENCOP about solar and geothermal heat energy. Coordination of all project RENCOPs.



BSR Electric - Fostering e-mobility solutions in urban areas

- **DURATION:** 2017-2020
- **CONSORTIUM:** Green Net Finland, Helsinki Region Environmental Services Authority HSY, Turku UAS and international partners from Germany, Poland, Sweden, Estonia, Denmark, Norway and Latvia
- **FUNDING:** EU INTERREG Baltic Sea Region
- **PROJECT OBJECTIVE:** Enhancing the utilization of e-mobility in urban transport systems of various types of urban e-mobility such as city logistics, e-bikes, e-buses, e-scooters and e-ferries.
- **GNFs' ROLE:** Coordination of state-of-the art analysis work package and supporting the creation of Uusimaa pilot about promoting the use of e-bikes.



CB2East – Central Baltic Cleantech Clusters expanding the East of the EU markets

- **DURATION:** 2015-2018
- **CONSORTIUM:** Green Net Finland, Finnish Water Forum and Cleantech Latvia
- **FUNDING:** EU INTERREG Central Baltic
- **PROJECT OBJECTIVE:** Creating commercially oriented and mutually economically beneficial cooperation in the clean technology sector between clean technology clusters in Finland, Latvia, North West Russia and Central Asia.
- **GNFs' ROLE:** Identification of business leads in the St. Petersburg region, providing market information, creating long-term collaboration with St. Petersburg key stakeholders, events and expert presentations

- **DURATION:** 2016-2018
- **CONSORTIUM:** Green Net Finland, Finnish Environmental school Sykli, Metropolia UAS, Häme UAS
- **FUNDING:** ERDF
- **PROJECT OBJECTIVE:** Developing new methodologies and increasing know-how in municipalities' operations supporting circular economy aspects in building demolition and controlling land masses in construction.
- **GNFs' ROLE:** Project coordination, new business models
- **AWARDS:** RANTA was selected as a finalist in the Regiostars 2019 contest (by European Commission) in the category Circular economy

ECOLOGICAL TERRACE -competition

- **DURATION:** 2017
- **CONSORTIUM:** Green Net Finland, City of Helsinki
- **FUNDING:** City of Helsinki
- **PROJECT OBJECTIVE:** Arranging a competition to find a new concept that can prolong the restaurant terrace season in Nordic conditions, without compromising on ecology. The competition yielded diverse solutions for carrying out an ecological, innovative, duplicable restaurant terrace, which promotes a high-quality cityscape.
- **GNFs' ROLE:** Organising the competition as a service to City of Helsinki



TARVE - Methods and Tools Supporting Innovative Public Procurement in Energy Efficiency

- **DURATION:** 2015-2017
- **CONSORTIUM:** Green Net Finland, Finnish Environmental school Sykli, Posintra
- **FUNDING:** ERDF
- **PROJECT OBJECTIVE:** Supporting the implementation of innovative public procurement in energy efficiency in the municipalities by developing a calculation tool streamlining the calculation for life cycle costs and environmental assessment of different energy efficient solutions. Also the knowledge about energy efficiency is increased within the decision makers in the municipalities via education and sharing the best practices.
- **GNFs' ROLE:** Project coordination, market dialogue



Climate-KIC Uusimaa pilot

Climate-KIC

- **DURATION:** 2015
- **CONSORTIUM:** Green Net Finland
- **FUNDING:** Climate-KIC
- **PROJECT OBJECTIVE:** Work with the regional key actors to identify common areas of activity in compliance with Climate-KIC's agenda. Investigate the technical, economic and environmental preconditions of open innovation models, knowledge transfer instruments and financial mechanisms in the Helsinki-Uusimaa Region as a part of the road map to a carbon neutral region. Develop a cooperation plan with specific areas for joint investment. Engage other experts from across the Climate-KIC community as appropriate. Explore stronger collaboration models between Climate-KIC and the Helsinki-Uusimaa region.
- **GNFs' ROLE:** All project activities were implemented by GNF.

HP4nZEB HP4NZEB – Heat Pumps for Nearly Zero Energy Buildings

- **DURATION:** 2013-2015
- **CONSORTIUM:** Green Net Finland, Aalto University, VTT
- **FUNDING:** Tekes and Finnish industries
- **PROJECT OBJECTIVE:** Outlining what is cost efficient and achievable "nearly zero energy" level in Finnish circumstances when it comes to concepts utilizing heat pumps. The project was the Finnish national project participating IEA Heat Pump Programme (HPP) Annex 40.
- **GNFs' ROLE:** Project coordination, administration, international collaboration (annex collaboration) and coordinating the participation of the Finnish industries.

ENSIO

ENSIO – Supporting the market foresight capability of Finnish cleantech SMEs

- **DURATION:** 2013-2014
- **CONSORTIUM:** Green Net Finland and RAKLI - The Finnish Association of Building Owners and Construction Clients
- **FUNDING:** The Uusimaa Centre for Economic Development, Transport and the Environment (ELY Centre)
- **PROJECT OBJECTIVE:** Supporting the foresight capability of Finnish cleantech SMEs. Strengthen the capability of SMEs to join international development project consortiums and local public procurement processes. Creating new value chains by networking cleantech SMEs.
- **GNFs' ROLE:** Project coordination, SME expert services, networking activities

RASTI

RASTI – Smart business in St.Petersburg

- **DURATION:** 2014-2015
- **CONSORTIUM:** Green Net Finland
- **FUNDING:** Uusimaa Regional Council (MAKERA)
- **PROJECT OBJECTIVE:** Supporting the creation of St. Petersburg Cleantech Cluster and ensuring business possibilities for Finnish cleantech SMEs.
- **GNFs' ROLE:** Expert services in cleantech and cluster management



IJI – Innovativeness in Public Procurement

- **DURATION:** 2012-2014
- **CONSORTIUM:** Green Net Finland, Häme UAS, CLEEN Oy, Culminatum Innovation, Lappeenranta University of Technology, LADEC Oy
- **FUNDING:** ERDF
- **PROJECT OBJECTIVE:** Supporting the implementation of eco-efficient and innovative public procurement in municipalities through various case studies.
- **GNFs' ROLE:** Project coordination, case studies "Zero energy daycare" and "eco-efficiency in procurement of transport"



Cleantech
Incubation
Europe

CIE – Cleantech Incubation Europe

- **DURATION:** 2012-2014
- **CONSORTIUM:** Green Net Finland, Delft University of Technology, I3P – Innovative Companies Incubator of the Politecnico of Torino, Municipality of Turin, City of Helsinki, Peterborough City Council, Imperial College London, Szent Istvan University, City of Delft, Novagreen, Essone region, ParisTech School of Engineers
- **FUNDING:** INTERREG EUROPE
- **PROJECT OBJECTIVE:** Bringing together best practices to find out which policies are most effective in enabling cleantech incubation at a regional level.
- **GNFs' ROLE:** Studying best practices of cleantech incubation in Uusimaa and Germany.



HEA - Well-being and Energy Efficiency for the Living Conditions of Senior Citizens

- **DURATION:** 2011-2014
- **CONSORTIUM:** Green Net Finland, Metropolia UAS, Aalto university, Arcada UAS, Kymenlaakso UAS, Lappeenranta university of technology, Laurea UAS, Saimaa UAS and Turku UAS
- **FUNDING:** ERDF
- **PROJECT OBJECTIVE:** Seeking innovative solutions for improving the residences, well-being and services available to senior citizens. Identifying sustainable social and technological solutions for people's well-being and residences by combining the welfare sector's customer understanding with expertise in cutting-edge technology.
- **GNFs' ROLE:** Energy expertise, dissemination

VERKA - FROM NETWORKS TO ALLIANCE

- **DURATION:** 2010-2013
- **CONSORTIUM:** Green Net Finland, University of Oulu
- **FUNDING:** ESF
- **PROJECT OBJECTIVE:** Developing national platform for companies and research institutes to interactively utilize products and knowledge in measurement technology.
- **GNFs' ROLE:** Cooperation practices in environmental monitoring and measurement technology, which is a relevant development area in the field of climate change and energy research.



EEMontti - Reducing residential estates' heating costs in half

- **DURATION:** 2011-2012
- **CONSORTIUM:** Green Net Finland, Metropolia UAS
- **FUNDING:** Tekes, Sitra
- **PROJECT OBJECTIVE:** Creation of holistic, user driven and cost-effective solutions for energy renovations and implement and document them as example cases by organizing a competition for service providers.
- **GNFs' ROLE:** Project coordination, organizing the EEMontti-competition, energy expertise



CLEEN MMEA Programme – MEASUREMENT, MONITORING AND ENVIRONMENTAL ASSESSMENT

- **DURATION:** 2010-2014
- **CONSORTIUM:** About 40 companies and 15 research institutions
- **FUNDING:** Tekes and consortium members
- **PROJECT OBJECTIVE:** Development of new measurement technologies, data quality assurance methods, modeling and forecasting tools and information and communication technology (ICT) infrastructure needed to create the integrated environmental observation networks and environmental decision support systems of the future.
- **GNFs' ROLE:** Connecting SMEs to the MMEA programme

RekkEViDe - Assessing range and performance of electric vehicles in Nordic driving conditions

- **DURATION:** 2011-2013
- **CONSORTIUM:** Green Net Finland, VTT, Test Side Sweden, Municipality of Stockholm, The Institute of Transport Economics (Norway), Icelandic New Energy (Islanti)
- **FUNDING:** Norden
- **PROJECT OBJECTIVE:** Drafting a testing scheme that addresses EV driving in Nordic conditions, and produces realistic range estimates for the consumers to help them understand this raising technology and make successful purchase decisions.
- **GNFs' ROLE:** Project coordination, expert services



SAVE ENERGY

- **DURATION:** 2009-2011
- **CONSORTIUM:** Green Net Finland, Alfamicro (PT), CeTIM (NL), ISA (PT), Leiden municipality (NL), Luleå Municipality (SE), LTU-CDT (SE), Lisboa E-Nova (PT), Manchester municipality (UK), SPI (PT), Salford University (UK)
- **FUNDING:** EU CIP ICT PSP
- **PROJECT OBJECTIVE:** Saving energy in public building through user behaviour change
- **GNFs' ROLE:** Dissemination and exploitation, Helsinki pilot team



The Centre of Expertise (OSKE) Programme

- **DURATION:** 2007-2014
- **CONSORTIUM:** Green Net Finland
- **FUNDING:** Finnish Ministry of Economy and Employment (TEM)
- **PROJECT OBJECTIVE:** Coordination of the work of the national Cleantech Cluster Programme in the Uusimaa Region as a national centre of expertise.
- **GNFs' ROLE:** Environmental programme implementation in Uusimaa region.

And many more!

- GNF references in this listing cover the latest 10 years only.
- Green Net Finland also provides various smaller expert services related to cleantech.

- Green Net Finland ry
- <https://gnf.fi/en/>