



# BOTHNIA GREEN ENERGY



# Project summary



The world situation with energy shortage and the climate goals with reduced emissions of greenhouse gases place increasing demands on sustainable, efficient and climate-friendly innovations. The increased demands for a green transition means that new industries establish in the northern parts of Europe and large research and infrastructure projects are carried out.

The projects objective is to

- support cross-border collaboration to accelerate the development of innovative, sustainable energy solutions
- develop a long-term collaboration platform, supporting innovation collaborations and developing international collaboration
- establish a cross-border, northern Nordic ecosystem. A key issue is building innovative networks and ecosystems with the region's energy companies and SMEs.

The project shall contribute to increased cross-regional cooperation between SMEs, energy companies, industry, municipalities/cities and regions, academia and the innovation support system. It will connect energy companies, industry and public sector with SMEs and startups with innovative products and services to accelerate the green transition through increased commercialization.



# Expected results



Expected results is that the project, through cross-border cooperation, has contributed to:

- more sustainable energy innovations
- increased capacity of SMEs to develop and commercialize innovations considering the importance of sustainability

Kvarken Council EGTC is responsible for project management, administration and communication. The partnership consists of municipalities, development companies and energy companies; Jakobstad region Development Company Concordia, Kokkolanseudun Kehitys Kosek, Vasaregionens Utveckling Ab VASEK, Technology Center Merinova in Vasa, Skellefteå Science City, Umeå kommun Näringsliv and Övik Energi AB Örnsköldsvik.





# Partnership structure

Kvarken Council EGTC is the project owner, responsible for project management, administration and communication. The project's steering group consists of Kvarken Council's CEO and representatives of the projects financiers, constituting the program council for the collaboration platform and deciding which innovation projects are to be initiated. Equality between women and men is aimed at and equality is a standing item on the steering group's agenda.

The project manager, who is procured by Kvarken Council EGTC, leads and coordinates the project. Together with Kvarken Council's CEO and project economist, the project manager is responsible for project reporting and contacts with the program secretariat. The project has staff employed in the six cities to create the best possible conditions for contacts with companies and organizations. Project collaborators are available at Concordia, KOSEK, Merinova, Skellefteå Science City, Umeå municipality, VASEK and Övik Energi.



Regional differences and strengths are lifted in the project and cross-border value is created through the project group's expertise and networks. This includes for example inventory work, preparations and implementation of workshops, think tanks and meetings, as well as processing new material and building up to the project objective.

# About the project

## Ecological and Social sustainable development

The project shall develop innovative climate-friendly energy solutions and contribute to very positive ecological sustainability effects. The project will actively work with equality and inclusion, tied to specific global sustainability goals.

## Target Group

The project shall contribute to increased cross-regional co-operation between SMEs, energy companies, industry, municipalities/cities and regions, academia and the innovation support system. It will connect the energy companies, other large companies and the public sector with SMEs and startups with innovative products and services to accelerate the green transition.

## Project Goals

The project's objective is to accelerate innovation and develop sustainable energy solutions by bringing together the Triple Helix actors and thereby strengthen the competitiveness of SMEs.

It will connect energy companies and industry with SMEs and startups with innovative products and services to accelerate the green transition through increased commercialization.

## Synergies with EU and projects

It is a high priority to develop new, sustainable energy innovations through cross-border cooperation. The importance increased further in May 2022 when the European Commission presented the RepowerEU plan, which will increase the need for new sustainable energy solutions. The project also contributes to several other EU, national and regional strategies.





# Work packages 1-2

## Work Package 1.

Create and organize a long-term Nordic platform for collaboration within the energy field. Survey, platform conference, formation, implementation and follow-up of program.

## Work Package 2.

Strengthen innovation collaborations between SMEs, energy companies, academia and public actors. Make use of knowledge and insights about R&D that leads to innovations and that the needs of different parties are met. Strengthen innovation collaborations partly between SMEs and large companies and between companies and academia. Develop industry clusters of know-how that make us interesting in terms of skill supply and establishments. Make the companies and innovations visible.





# Work packages 3-6

## Work Package 3.

Go Global and collaborate internationally.

Jointly participate in international arenas and develop cooperation with strategically important actors. Arrange joint events for an international audience. Collaborate with actors in Norrbotten, northern Norway and Finland. Collaborate with international clusters. Create and organize a long-term Nordic platform for collaboration within the energy field. Survey, platform conference, formation, implementation and follow-up of program.

## Work Package 4.

Project communication and dissemination of results.

## Work Package 5.

Steering group, project management and administration. Project management and administration. The projects steering group.

## Work Package 6.

Evolution and learning.

