



# Nordic Grand Solutions

The call  
**Nordic Energy Solutions for the Green Transition**  
is now open

<https://www.nordicenergy.org/article/first-call-nordic-grand-solutions-programme/>



## The aim: To provide solutions for the major energy challenges towards carbon neutrality

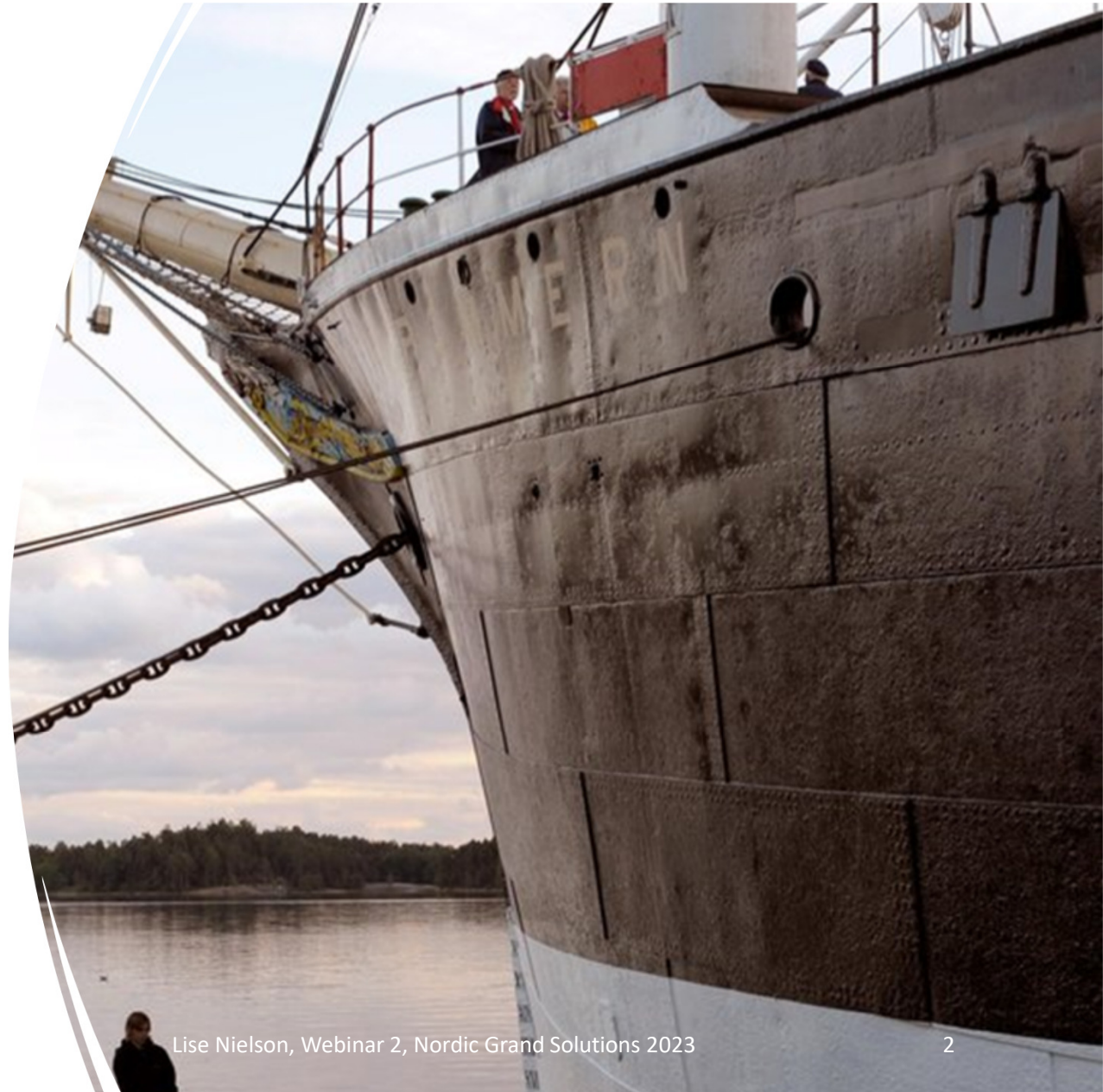
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- Knowledge foundation identifying the best solutions in the green transition
- Knowledge-creation supporting energy and climate decision making in the Nordics

10. maj 2023

Lise Nielson, Webinar 2, Nordic Grand Solutions 2023

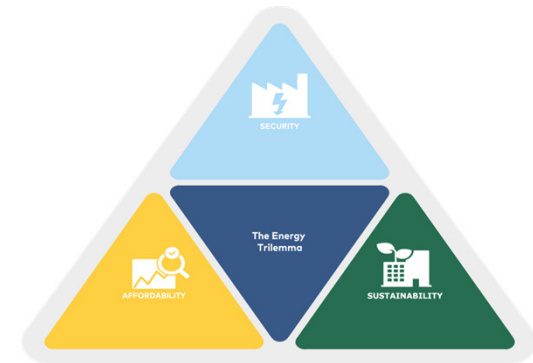
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# Nordic energy challenges in focus

The results should point towards the most promising energy solutions that will allow the Nordic region to lead the green transition from the front.

- The energy trilemma
- Tomorrow's energy solutions
- A nature inclusive green transition
- Sustainable remote energy systems





# These angles are the themes for Nordic cooperation:



Smart energy systems –  
Several functions optimized  
simultaneously in the overall  
system of energy flow



Sustainable energy –  
Sustainable use of resources  
and climate responsible energy



Green transport – Green  
transition of the transport  
sector value chain, from  
energy resources to energy  
storage, -transport and -use



Energy markets – Design and  
development of future energy  
markets for efficient utilization  
of resources, across Nordic  
borders and energy systems



Energy and society – Social  
sustainability, public  
acceptance and fair  
distribution in the green  
transition



# How to identify a project



Does your research team have a clean energy solution under development, and a vision for the green transition to go with it?



Do you know your stakeholders, and you want to have an involved dialogue with them, with the aim of accelerating the solution to become a part of the net zero CO2 energy system?

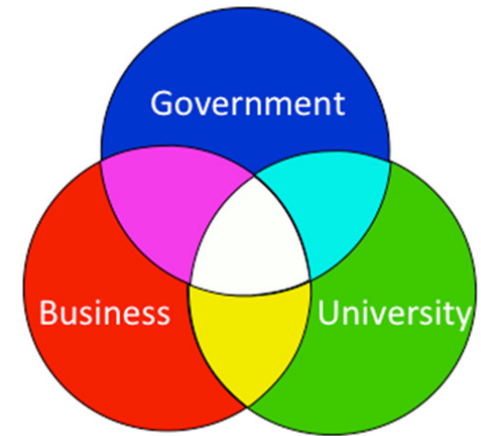


Is your team part of a Nordic partnership, and looking for research and development funding to bring the vision forward?



# How to build a consortium - possible partners and stakeholders

- Your project
  - Core solution with an idea for research and development
  - Researchers and technicians
  - Project leader must be an RPO
  - Demonstration site and availability of balance of system
  - Infrastructure probably needs to be developed and installed
  - ISOs, TSOs and DSOs; need input for new solutions
  - Regulations: Market, safety etc. often needs development
  - Investors need solid evidence for investment decisions
  - Neighbours and future employees could be very important for the future success
  - Media, general public – they probably have opinions and need transparency



# How to build a consortium - the sports analogy

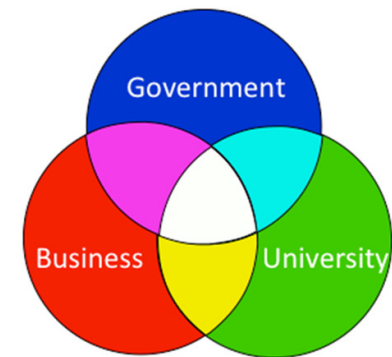
- Your project
  - Researchers and technicians
  - Project leader
  - Universities and organizations
  - People with competing ideas
  - ISOs, TSOs and DSOs
  - Infrastructure
  - Regulations: Market, safety etc.
  - Neighbours and future employees
  - Investors
  - Support functions, early movers
  - Media, general public
  - The weather
  - The core technology





# How to build a winning consortium - the Olympics

- Your project
  - Place the core technology in its intended environment
  - Draw up the value chain
  - Identify your stakeholders
  - Select your team
    - Some are partners
    - Some are observers
    - Some are end-users
  - Connect to decision-makers
  - Decide on a dissemination and communication plan





# Matchmaking

[Matchmaking form](#) available now

- Name
- Organization or company
- Email
- Nationality of organization or company
- Short description of organization or company
- Short description of research interests in this call
- Short description on what types of competencies you are seeking from potential partners



# Nordic added value

NordForsk recently published a report:

[Nordic added value in Nordic research co-operation | NordForsk](#)



**Sometimes an issue is best dealt with together:**

Passport union, NordPool and energy market rules.

**Some topics are more individual:**

Labor market regulations, green transition policy and financing – **but better together**; the availability of renewable energy resources is complementary in its distribution



# Design the best possible project for your vision

- You don't have to define a TRL if that doesn't fit your proposal. The suggestion is to then argue why not. If a TRL makes sense, then please use a starting and ending TRL, and argue the levels.
- We are looking for the most interesting, visionary, doable and well-argued proposals, to meet the green transition targets. They will come at different cost scales.
- The budget should include all necessary costs. The activities and associated budget need to be well argued to be funded.



# The Nordic Grand Solutions programme

- A combination of a technology neutral call and a series of open workshops
- To foster a co-creation atmosphere amongst the funded family of projects and the research teams
- To build a strong interest in a Nordic stakeholder audience ahead of the recommendations and results of the projects





# Eligibility criteria

<https://funding.nordforsk.org/portal/#call/2985/details>

- At least 3 Nordic countries
- Minimum of 10 % in-kind contribution of total budget
- Meet State-aid restrictions
- Stated starting and final TRL within the range of 2 to 8
- Maximum duration of 3 years
- Minimum funded budget of 8 million NOK
- Maximum funded budget of 25 million NOK

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