



# Selected informations of NEK in the partner position and his part in the project NRGCOM

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**National Energy Cluster NEK**

Národní energetický klaster NEK

# National Energy Cluster NEK



**Dear partners – we are introducing:**

- The National Energetical Cluster NEK is an important cluster organization on the field of energy and ecology in Slovakia with a long - standing partnership of important state institutions such as the Ministry of Economy of the Slovak Republic, the Ministry of Investments, Regional Development and Informatization and the Slovak Innovation and Energy Agency.
- The cluster currently has more than 40 members from the ranks of the largest Slovak energetical industry, construction and engineering companies, research institutes and universities, but also dynamic small and medium enterpreneurs. Cluster organisation provides employment for more then 8 thousands people within its network and its gross product is valued at more then 350 milion euros.

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The main idea of the cluster is:

- Energy, ecology and economy, those 3 words are clearly describing cluster activities.

**3 x E** – program ENERGY-ECOLOGY-ECONOMY are today understood as connected containers, because without the production of modern energy sources, modern stable energies, it is not possible to ensure the successful and competitive operation of the economy, it is the lifeblood of national production and it must be the result of ecologically harmless (to a minimum extent) and the environmental environment of non-burdensome activity, while simultaneously increasing the economic efficiency of production and distribution of all energy sources.

*The NEK cluster is a founding and leading member and organizer of the newly formed National Platform of Energy and Environmental Clusters and Associations of Slovakia, founded in 2023 in Banská Bystrica with the signatories of eight industrial clusters and associations on this spectrum of scope, which forms strong regional players in the 3 x E policy and as well as builds in the regions of Slovakia's energy community and local Centers for the development of education and research.*

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- Over the past period, NEK as a leader or partner has implemented several serious and large-scale projects from EU and Slovak funds in the domestic and international environment with a focus on energy, human resources development and research and development in the field of renewable energy, building energetical communities, modern revitalization, reclamation and recirculation tools of industry and also networking of enterprises and institutions.
- NEK is the author of several important professional conferences with significant participation of the educated audience, such as Eco & Energy Innovation and the ENERGOFUTURA conference, NEK is also an organizer of workshops with partners in Hungary, Poland, the Czech Republic and Austria.



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- Current status and approach to the NRGCOM project:
- Slovakia is currently transitioning from central energy supply systems to modern local systems with an adequate share of renewable energy in the energy mix.
- *The concept of energy communities is to be built in a network of regional industrial energy environmental clusters and associations.*
- The goal is to create a connected system of energy communities with local disposition of RES while minimizing carbon footprint emissions.
- *Part of the effort is also taking on a new approach to the design and construction of buildings and technical infrastructure.*
- The problem is a significant need to change people's attitudes and knowledge about sustainability and reducing the energy intensity and consumption of industry, housing and transport systems.

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- NEK will actively participate in a wide range of activities within the project and contribute to the advancement of energy communities as well as to the development of sustainable energy practices in Slovakia by leveraging their connections and experience.
- *In addition, NEK will lead the evaluation of different business models of renewable energy communities (A 1.2) and will be in charge of delivering a catalog of the five best operating models of energy communities (D 1.2.1). This analysis will help identify viable strategies for effective implementation and operation of energy communities.*
- Through workshops, conferences and publication activities, NEK will plan and facilitate better implementation of RES. By connecting with target users, it will raise awareness and promote the adoption of sustainable energy practices and popularize the REC concept, as well as increase the motivation of stakeholders in the regions to join energy communities.

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- NEK will be responsible for delivering a software solution for RECs (D 3.3.1) and will provide guidance to PPs that can increase their effectiveness. This software will then be pilot tested as a technological solution in already functioning RECs in 4 countries. One of these pilot tests will take place with the contribution of NEK in Slovakia.
- In addition, they will also contribute to the development of a mentoring scheme for newly established ECs, to an evaluation of EC best practices, as well as to a summary document.

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**Ladies and gentlemen**  
**Thank you for Your attention and we look forward**  
**to cooperate with You**

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**In Bratislava, January 15, 2024**