Renewed Energy for Ukraine

Shaping Ukraine's renewed energy system together

Netherlands

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Ukraine and the Netherlands: Accelerating Ukraine's clean energy future

Generations of innovation in complex energy and infrastructure systems are part of the foundation of the Netherlands' commitment to supporting Ukraine as it moves towards EU accession and develops a modern, resilient and low-carbon energy system. Ukraine is undergoing a significant transformation of its energy landscape: energy demand continues to rise, and the need for cleaner alternatives for transport, heating and industrial processes is rapidly increasing.

At the same time, Ukraine's strong engineering capabilities, digital leadership and extensive experience in large-scale power generation provide a solid base for accelerating this transition. The Netherlands enters this partnership with clear ambitions, deep expertise and a proven record of delivering future-proof renewable-energy solutions at home and abroad. Ukraine's Energy Strategy to 2050 sets a clear course: to secure sustainable economic growth through reliable, modern and resilient energy systems, and to move as close as possible to climate neutrality by mid-century. With its focus on clean, affordable and decentralised energy, and its alignment with EU and international commitments, this vision provides a strong basis for long-term cooperation under the programme 'Renewed Energy for Ukraine'.

Opportunities for Ukraine

Ukraine faces the triple challenge of repairing, and of rebuilding an energy system, while accelerating its integration with the European energy market. Thanks to its drive toward EU alignment, Ukraine is moving forward with reforms that favour renewable, decentralised, and resilient solutions. At the same time, Ukraine possesses an exceptional renewable energy potential, estimated to considerably exceed its current domestic energy demand.

Its rapidly expanding onshore wind sector continues to make progress despite wartime conditions. This momentum is reinforced by strong technical and IT expertise, a fast-growing market for decentralised energy hubs, and an increasing policy focus on resilience and affordability. The Ukrainian government's prioritisation of decentralised generation creates substantial opportunities for technologies that are cost-efficient, rapidly deployable and robust in both grid-connected and off-grid settings.

Dutch companies are well positioned to support this transition. As energy companies, local authorities, utilities, agricultural and industrial operators, IT clusters and critical infrastructure facilities expand their search for reliable and resilient power, opportunities for integrated solutions, wind paired with solar PV, battery storage and digital control systems, are widening.

In the longer term, Ukraine's ambition to develop offshore wind potential in the Black Sea aligns strongly with the Netherlands' global leadership in this domain. Early market engagement remains important, also in relation to the growing interest from other EU Member States. Their presence may also create positive multiplier effects by strengthening supply-chain opportunities for Dutch companies.

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Research, training, and technology

Close cooperation between Ukrainian and Dutch knowledge institutions, companies and public partners will be essential to accelerating Ukraine's clean-energy transition. Ukraine's highly skilled technical and IT workforce, together with its experience in operating large-scale energy systems, provides a strong foundation for collaboration. Its current reform momentum further creates fertile ground for joint innovation. The 'Renewed Energy for Ukraine'-programme can support collaborative research, feasibility studies, innovation pilots and technical exchanges across the renewable energy value chain, with a particular focus on onshore wind development, integrated wind-solar-BESS concepts, digitalised grid solutions and the safe, reliable deployment of refurbished wind turbines. These activities will build on Ukraine's growing expertise in decentralised energy hubs and modern grid management, while leveraging Dutch expertise leadership in engineering, infrastructure and system integration.

Why work with us?

This partnership builds on close collaboration with Ukrainian stakeholders and leverages the full capabilities of the Dutch renewable energy cluster. The Netherlands offers a flexible and pragmatic approach, combining industrial partners and a growing network of Dutch SMEs to deliver modular, locally integrated solutions across Ukraine's energy projects.
Through existing agreements, including the MoUs of NedZero with its sister organisation UWEA, and the Ukrainian Facility Platform, the cluster is connected to both local authorities and industry, ensuring timely input, effective matchmaking, and alignment with Ukraine's priorities. The programme balances quick wins, such as deploying refurbished turbines, solar installations, and off-grid solutions, with long-term objectives, including workforce development, sustainable local employment, and capacity building to support Ukraine's energy independence and resilience after the conflict.

By drawing on Dutch networks and expertise, the cluster can help position Ukraine as a future renewable energy hub, aligned with EU integration, and strengthen regional supply chains for maximum multiplier effect. Regular cluster meetings, coordinated through the Royal Netherlands Embassy in Kyiv and structured engagements, ensure strategic visibility, continuous alignment, and the long-term impact of this collaboration.

Towards a long-term partnership

By bringing together Dutch expertise and Ukraine's fast-advancing renewable-energy sector, we can support the strengthening of Ukraine's long-term sustainability while creating new opportunities for Dutch companies. It will deepen market understanding, support strategic positioning and provide the basis for coordinated follow-up activities.

As Ukraine advances towards EU integration and accelerates its renewable-energy transition, significant long-term investment will be required across the sector. This partnership will help ensure the Netherlands remains a valued and visible partner throughout this process. Together we can accelerate the deployment of renewable technologies, strengthen supply chains, and contribute to a more resilient, sustainable and competitive European energy future.

Coordinator

NedZero the Dutch Wind Energy Association, represents the full Dutch wind energy value chain, from developers and OEMs to contractors, ports, knowledge institutes and investors. Its mission is to accelerate the transition to a fully CO_2-free energy system, with offshore wind as a key pillar. NedZero supports innovation, collaboration and international market development.
https://nedzero.nl/en

Cluster members

Bird & Bird is an international law firm supporting organisations navigating the energy transition. Its expertise spans renewables, energy storage, grids, hydrogen and digital energy, advising on regulatory change, project development, construction, M&A and financing. With more than 1,600 lawyers across 34 offices worldwide, Bird & Bird supports energy projects across borders.
www.twobirds.com/en

Business in Wind specialises in the dismantling, refurbishment, relocation and installation of used wind turbines worldwide. By giving turbines a second life, the company contributes to a more circular wind industry. Business in Wind manages the complete process, from purchasing and decommissioning to refurbishment, grid compliance and commissioning.
https://businessinwind.com

Ecoways is a Dutch renewable energy company providing integrated wind, solar and battery storage solutions for farms and rural businesses. By combining renewable generation with smart energy storage, Ecoways helps customers increase energy independence, reduce grid dependency and lower energy costs, offering a complete service from design and permitting to installation and long-term support.
www.ecoways.com

Edelweiss Renewables Advisors contributes to a sustainable future through tailored, practical advisory services across the lifecycle of renewable energy projects. Its experience, knowledge and expertise span project development, financing and operations, with complementary expertise across different stages of renewable energy projects and

investments. Professionalism, integrity, trust and added value are central to its approach.
www.edelweiss-renewables.com

EWT Systems is a Dutch wind turbine manufacturer with more than 20 years of experience and over 700 installations worldwide. For Ukraine, EWT develops decentralised energy solutions combining wind, solar, storage and intelligent microgrids. Its technology helps communities, businesses and critical infrastructure improve energy security, reliability and independence.
https://ewtdirectwind.com

Folded Solar is a Dutch clean technology company developing compact, retractable solar systems for portable renewable energy. Designed for applications including hospitals, emergency response, festivals and remote or conflict-affected areas, its foldable solar solutions provide reliable off-grid electricity while supporting energy resilience and the transition to cleaner power generation.
www.foldedsolar.nl

Green Cat Renewables is a renewable energy consultancy providing engineering and development support across the project lifecycle. Its services cover feasibility, development, design, construction and commissioning for renewable energy projects of all scales. With access to more than 200 specialists across the wider Green Cat Group, it provides comprehensive technical expertise tailored to each project.
www.gcr-europe.com

HAPAM is an independent manufacturer of high-voltage disconnectors and earthing switches for indoor and outdoor substations up to 800 kV. The company has supplied more than 200,000 disconnectors to over 125 countries worldwide, with many still in operation after more than 50 years. HAPAM operates production facilities in the Netherlands, Poland, Vietnam and Canada.
www.hapam.com

Rebel Group is an independent, employee-owned advisory firm supporting governments, investors and private developers with complex energy and infrastructure projects. Its expertise spans feasibility studies, business cases, financial modelling, project finance, procurement and implementation. Founded in the Netherlands in 2002, Rebel has more than 350 professionals working across 12 international offices.
https://rebelgroup.com/en

RenergetiX is specialised in turn-key dismantling, refurbishment and (re)commissioning of wind turbines in Europe. The company sources used operational turbines, primarily from the Netherlands, Belgium, France and Germany, and prepares them for a second life at new locations. With experience across approximately 150 turbines, RenergetiX supports the circular use of wind energy assets.
www.renergetix.eu

SM Invest & Construction is a Netherlands-based renewable energy and development company specialising in solar and wind projects, alongside industrial and civil construction. Active in the Netherlands and Ukraine, the company manages projects from planning and land acquisition through to implementation, combining European expertise with sustainable energy and infrastructure development.
https://smicnl.com

Solarge International designs and manufactures lightweight, fully circular solar panels at its 10,000 m² facility in the Netherlands. Its modules have a low carbon footprint and are free from substances such as antimony and PFAS. With experience installing solar panels at hospitals and schools in Ukraine, Solarge also develops solutions for resilient energy systems and microgrids.
https://solarge.com/en

TouchWind is a Dutch renewable energy technology company developing floating and mobile wind turbines for offshore and remote applications. Its patented tilted single-blade rotor design reduces complexity and costs while supporting performance in deep water and extreme weather conditions. Based in Eindhoven, TouchWind works with industry partners to accelerate the deployment of scalable offshore wind energy.
https://touchwind.org

United Batteries is a Dutch energy technology company providing battery solutions for renewable energy, social housing and critical infrastructure. Its systems support solar and wind farms, energy trading, peak-shaving and back-up power, using components sourced from Dutch suppliers. The company also develops software for energy storage systems and can co-invest in projects.

VDL Groep is a Dutch industrial manufacturing group developing and producing technologies for the energy transition. Its solutions include battery and energy storage systems, charging infrastructure, hydrogen and e-fuel technologies, heat exchangers and electrification systems. By combining engineering expertise with large-scale manufacturing capabilities, VDL supports the integration of renewable energy and the development of resilient energy systems.
www.vdlgroep.com/en

We4Ce is an independent engineering company specialising in wind turbine rotor blades. For more than 20 years, it has supported OEMs, wind farm owners and service providers across the rotor blade lifecycle. Its expertise covers blade design, structural engineering, certification, repairs, upgrades, lifetime extension and technology transfer for turbines from 300 kW to more than 14 MW.
www.we4ce.eu

Collaboration partners

The Netherlands Water Partnership (NWP) brings together Dutch public and private organisations to advance integrated water solutions worldwide. As a neutral network, NWP connects organisations, facilitates knowledge exchange and promotes collaboration and innovation. By bringing together expertise across the water sector, NWP supports collective action towards greater global water resilience.
www.netherlandswaterpartnership.com

Oost NL is the regional development agency for Gelderland and Overijssel, supporting innovative businesses and accelerating technological development. Acting as a partner, connector and catalyst, Oost NL helps entrepreneurs grow, attract investment and develop international opportunities. Its work focuses on strengthening innovation and contributing to a more sustainable and liveable future.
https://oostnl.nl/en

VEI strengthens water operators through knowledge sharing, training, technical assistance and peer-to-peer collaboration. Working with local utilities, it supports more financially sustainable and climate-resilient water and sanitation

services, particularly in low-income areas. VEI aims to improve access to safe water and sanitation for hundreds of thousands of people each year, contributing to Sustainable Development Goal 6.
www.vei.nl

VNG International is the international cooperation agency of the Association of Netherlands Municipalities. For more than 30 years, it has supported local governments worldwide in areas including water and waste management, sustainable energy, local taxation and inclusive decision-making. By strengthening local institutions and cooperation, VNG International contributes to sustainable solutions and resilient communities.
www.vng-international.nl

Government of the Netherlands

The Netherlands Enterprise Agency (RVO) supports entrepreneurs, knowledge institutes, NGOs, and policymakers in developing innovative and sustainable projects. As part of the Dutch Ministry of Economic Affairs, RVO provides funding instruments, policy support and international networks to strengthen collaboration and accelerate the energy transition.
https://english.rvo.nl/

Let’s partner up!

By working together, we can contribute to the reshaping of the Ukrainian energy sector. Let’s share knowledge, expertise, and innovative solutions.

Coordinator

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