

Neo-Eco Ukraine Newsletter

Spring 2024



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**REBUILDING A GREENER
AND MORE SUSTAINABLE
UKRAINE**

THE FIRST PILOT PROJECT IN HOSTOMEL

Neo-Eco Ukraine, being the first foreign company to start rebuilding Ukraine before the war ended, decided to introduce a closed-loop economy: recycling construction waste into new building materials that can then be used to reconstruct damaged buildings or build new ones.

Neo-Eco's pilot project was the rebuilding of a military town in Hostomel, located next to the airport, where the first fighting began on 24 February.

A memorandum of cooperation with the Kyiv Regional Military Administration, headed by its head Oleksiy Kuleba, was signed in autumn 2022 during a visit by French Foreign Minister Catherine Colonna.

In addition, we have independently demonstrated that after detailed analysis and testing, the materials recycled from the war debris in Hostomel, including sand, crushed stone and slag, are suitable for further use in reconstruction. This project alone has avoided the emission of thousands of tonnes of CO2 compared to traditional liner economy deconstruction and recycling techniques.

At the beginning of 2023, Neo-Eco Ukraine successfully demolished the buildings in record time, with a proven recyclability rate of 90% of the 50,000 tonnes of deconstructed rubble.

Moreover, the dismantling and sorting of waste created 20 additional jobs over three months compared to a traditional construction site and no waste was deposited in landfills, thus avoiding 7,150 m3 of uncontrolled dumping in nature and associated soil and groundwater pollution.



The project is finished

1
step

Classifying
damaged buildings

2
step

Generation of
height map

3
step

Volume of destroyed
buildings



70 RURAL SETTLEMENTS IN THE MYKOLAIV REGION

For a detailed report on the creation of an innovative system for assessing the destruction caused by the hostilities in Mykolaiv region, Neo-Eco Ukraine, together with its partner organisation Mission East and AI technologies and drones, digitised 70 settlements in Mykolaiv. The aim of this study was to provide the latest data on the destruction using artificial intelligence and circular economy practices. The work resulted in the creation of the most up-to-date reconstruction tools for calculating damages and pollution in the studied areas

The project is finished

MACROECONOMIC STUDY

Following the release of the damage assessment report in June 2023, Neo-Eco Ukraine conducted a comprehensive macroeconomic study of the Mykolaiv region. This study encompasses a thorough examination of the region's geography, demographics, and industrial landscape, along with an exploration of potential circular economy projects.

Moreover, our analysis delves into the intricacies of industrial waste flows, providing insights into materials and their characteristics through a pre-feasibility study.

With this wealth of information at our disposal, in collaboration with Mission East, we are poised to spearhead circular economy projects that will facilitate the efficient and sustainable reconstruction of the Mykolaiv region.

Our territorial study will serve as a blueprint for initiatives targeting the construction and public sectors, addressing economic, environmental, and social challenges. By enhancing the region's attractiveness and sustainability, we aim to foster long-term prosperity and resilience in the Mykolaiv community.

The project is finished





DESIGN OF A DUAL-USE SHELTER CREATED BY CHILDREN

Thanks to the support of Crown Agents International Development (CAID) and UBS Optimus Foundation in partnership with Crown Agents in Ukraine, the Neo-Eco Ukraine started working on the “Design of a dual-use shelter created by children” project in September 2023. The project aimed to create a decent, sustainable and safe future for children by creating a shelter design involving children from the Zeleny Hai community in Shevchenkova. Through creative workshops, psychological support and engagement with architects, the children had the opportunity to implement their ideas on how they imagined a safe and comfortable shelter. The project was aimed not only at involving children in the design process, but also at assisting them to (re)socialise, receive psychological support, and spend time with old and new friends. During the project, the children gained a basic knowledge of architecture and design, as well as developing their creativity and cooperation. They learned to work in and as a team, express their thoughts and ideas, and consider other project participants' needs and opinions.

The project is finished



**READ OUR
PLAYBOOK
TO FIND OUT
MORE:**

READ

PILOT “RUBBLE CLEANING BY VETERANS” PROGRAMME

Neo-Eco Ukraine, in cooperation with Mission East, has launched the “Rubble Cleaning by Veterans” pilot programme in Mykolaiv region adding a social dimension to circular economy projects.

The project aims to create decent working conditions and psychological support for veterans in Ukraine, one of the most vulnerable groups in need of help and adaptation.

Ongoing project



"We are war veterans

who have been disabled in combat.

We want to help and be useful to society. We offer our strength and skills to rebuild destroyed towns and villages. We are grateful to international companies that support veterans and allow us to earn money and be needed. The main thing for us is not only reconstruction but also adaptation to post-war life and communication with like-minded people", - says Volodymyr Vinokurov, one of the veterans participating in the project.

WHITE PAPER ON GENERAL GUIDELINES FOR THE MANAGEMENT OF ASBESTOS- CONTAINING MATERIALS

**YOU CAN ACCESS
THE WHITE PAPER
BY FOLLOWING THIS LINK:
READ**



Neo-Eco Ukraine present a white paper on common recommendations for the management of asbestos-containing materials (ACM), in association with fellow experts from CES clean energy solutions and iC Ukraine.

This white paper on asbestos-containing material management methodology has been prepared for all relevant stakeholders, including designers, supervisors, construction and transport companies, landfills, operators, financial institutions, NGOs, and local and state authorities working to rebuild Ukraine.

The white paper, prepared on a voluntary basis, aims to comprehensively address the entire cycle of ACM management, from verification and identification to treatment and disposal.

Neo-Eco Ukraine hopes that these recommendations will help improve the process of organising work with asbestos-containing materials in hashtag#Ukraine and comply with international best practices.

The project is finished

ODESA

Neo-Eco and Neo-Eco Ukraine have launched a new project in the Odesa region, funded by the Region South - Provence-Alpes-Côte d'Azur.

This new initiative will focus on the remediation of river and marine sediments, building on our previous experience in Sedimateriaux (HautsdeFrance), SNCF ECOCIR (railway ballast value assessment) and strategic studies carried out in the South Region - Provence-Alpes-Côte d'Azur (Euroméditerranée, EDF Hydromed, LOGIREM...). The project will aim to identify strategic dredging operations to support the capacity of the Port of Odesa, assess the volume and qualification of sediments and start the process of on-site costing. This project has the potential to improve the economic viability of the ports and help Ukraine to move closer to EU standards in sediment and waste management

Ongoing project.



KRYVYI RIH



Neo-Eco Ukraine has signed a Memorandum of Understanding with the city of Kryvyi Rih, Ukraine. Neo-Eco Ukraine, an expert in the circular economy, will support and work with the city to develop waste management strategies and sustainable urban development projects.

"I know how much work we need to do, but we are technically and organisationally ready. We are following the approved strategy and introducing new practices of industrial waste management and its use for the production of new materials," says Yevhen Udod, First Deputy Mayor of Kryvyi Rih.

Ongoing project



News and events of spring

Conference in Japan



Neo-Eco Ukraine was honoured to be invited as a participant and panellist at the hashtag#Japan-hashtag#Ukraine Conference for Promotion of Economic Growth and Reconstruction in Tokyo. We were delighted to sign a Memorandum of Understanding with 株式会社 PADECO and Nippon Basic to collaborate on a waste platform using Urban Rig's superheated steam for waste treatment expertise.

https://www.linkedin.com/posts/neo-eco-ukraine_japan-ukraine-neoecoukraine-activity-7165272042492178432-9LpB/?utm_source=share&utm_medium=member_desktop

Neo-Eco Ukraine speak at online workshop 'Exploring the environmental data ecosystem for citizen science in Ukraine'

GROMADA

European universities supporting legal and community capacities for Ukraine's environmental recovery.

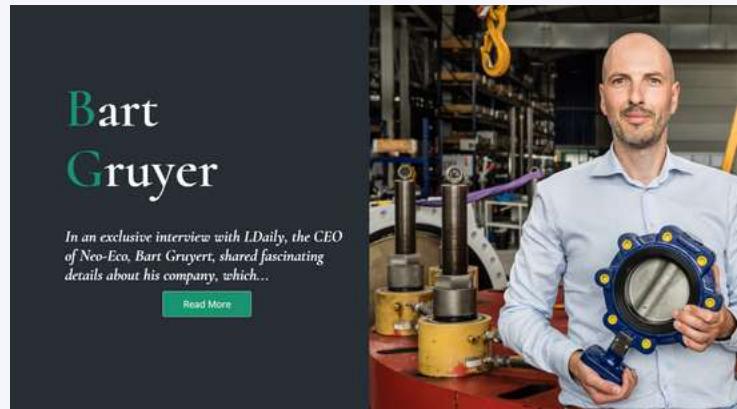


Co-funded by the European Union

The Neo-Eco team had the honour to deliver a speech on the application of the circular economy for the reconstruction of Ukraine in the next 5 years at the GROMADA Online workshop 'Exploring the environmental data ecosystem for citizen science in Ukraine'

<https://gromada-erasmus.eu/online-workshop-exploring-the-environmental-data-ecosystem-for-citizen-science-in-ukraine/>

Interview with the CEO of Neo-Eco Ukraine



Bart Gruyert

In an exclusive interview with LDaily, the CEO of Neo-Eco, Bart Gruyert, shared fascinating details about his company, which..

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In an exclusive interview with LDaily, the CEO of Neo-Eco, Bart Gruyert, shared fascinating details about his company, which is a leader in innovation in the field of circular economy. Neo-Eco aims to create a sustainable future through the reuse of waste, benefiting both the economy and the environment. Bart Gruyert also discussed the company's activities in Ukraine, described current projects, and shared Neo-Eco's plans and intentions regarding investments in the Ukrainian market.

<https://ldaily.ua/en/interviews/announcement-of-significant-investments-in-ukraine-is-already-on-the-horizon/>

Neo-Eco Ukraine was delighted to participate at the World Circular Economy Forum WCEF



Neo-Eco Ukraine was delighted to participate at the World Circular Economy Forum WCEF Accelerator session on hashtag#Ukraine's Circular Reconstruction with the support of UNIDO and DG NEAR. We were honoured by the presence Nadiya Bigun, Deputy Minister of Economy and share about the hashtag#circulareconomy with Kateryna Savchuk, Tetiana Dehodia and Philip Crampton, President of FIEC EU .

https://www.linkedin.com/posts/neo-eco-ukraine_ukraine-circulareconomy-neoecoukraine-activity-7186444975394496514-lqcK?utm_source=share&utm_medium=member_desktop

Neo-Eco Ukraine is honoured to speak at The RSA

Global environmental challenges: lessons from Ukraine

28 Mar 2024 | 06:30 PM - 07:45 PM | GMT Standard Time
RSA House and Online



Neo-Eco Ukraine, represented by Bart Gruyaert, is honoured to speak at The RSA (The royal society for arts, manufactures and commerce) for arts, manufactures and commerce) important event "Global environmental challenges: Lessons from Ukraine" on Thursday 28th March in collaboration with the Ukrainian Institute London.

https://www.linkedin.com/posts/neo-eco-ukraine_courage-justice-environment-activity-7177951969548853249-dOrF/?utm_source=share&utm_medium=member_desktop

Neo-Eco Ukraine was delighted to participate at the Ukraine Green Recovery Conference in Vilnius



Neo-Eco Ukraine was delighted to participate at the Ukraine Green Recovery Conference in Vilnius, where Kate Le Moignic presented with Martin Bjerregaard, and EVERT SCHUT during Day 3, dedicated to the circulareconomy, moderated by William Neale. Neo-Eco Ukraine's presentation underscored the transformative impact of digital technology, particularly AI, in efficiently assessing damages, optimizing resource allocation, and fostering transparency in post-war recovery efforts.

https://www.linkedin.com/posts/neo-eco-ukraine_ukrainegreenrecovery-vilnius-circulareconomy-activity-7136268995086692352-RtpC/?utm_source=share&utm_medium=member_desktop

Neo-Eco Ukraine is delighted to collaborate with Mission East and Danida



Neo-Eco Ukraine is delighted to collaborate with Mission East and Danida on this exciting low-carbon cement project in hashtag#Mykolaiv.

https://www.linkedin.com/posts/neo-eco-ukraine_ukraine-climateaction-recycledmaterials-activity-7133374012042133504-7IQc/?utm_source=share&utm_medium=member_desktop

Neo-Eco has started collaborating with the Future for Ukraine



Neo-Eco has started collaborating with the Future for Ukraine. As part of this cooperation, it is planned to build a WCC (Women and Children's Centre) in the hashtag#Mykolaiv region that will care for the needs of women and children experiencing the consequences of war, witnessing horrible events, or being victims of human rights violations. Our goal is to create a centre that will provide psychological support to women and children, helping them find healing for new starts and providing specialized services aimed at meeting their cultural, psychological, medical, and social needs.

https://www.linkedin.com/posts/neo-eco-ukraine_ukraineresilience-circulareconomy-mykolaiv-activity-7150415471526232064-FI7/?utm_source=share&utm_medium=member_desktop

NEW

Neo-Eco Ukraine offers training:

- **Training on the application of circular economy methods in the repair, restoration and modernisation of social infrastructure in Ukraine**
- **Circular Economy Training for Bomb Shelters in Ukraine**
- **Circular economy methodology for schools Neo-Eco Ukraine**
- **Training on handling asbestos-containing materials**

We also offer consultancy on waste management



To learn more about our projects and offers, please contact us:



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