

HELPING MYKOLAIV BUILD BACK BETTER

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ONWORKS:



**“AS THE INDUSTRIAL HEART OF UKRAINE,
WE NEED OUR CITY TO REACH ITS FULLEST
POTENTIAL DURING RECONSTRUCTION”**

PRESIDENT OF MYKOLAIV CITY COUNCIL, DMYTRO FALKO

RECONSTRUCTION STARTS HERE

The war in Ukraine has already caused, and continues to cause, the destruction of entire urban areas and critical water and energy infrastructure. A condition that is having a domino effect of other basic services for people including water management and public transportation.

Despite the uncertainty of events unfolding across Ukraine, the Ministry for Development of Communities and Territories of the Ukrainian Republic developed draft recommendations to guide the reconstruction of cities and infrastructures compromised by the ongoing conflict seen across the country.

Based on a long-term cooperation, the Ukrainian Government asked for the support of the UNECE (United Nations Economic Commission for Europe) to implement these recommendations. In response, UNECE established a dedicated Task force composed

of sixteen UN agencies working in a coordinated manner to support the efforts of the Ukrainian Government in developing innovative approaches to the reconstruction of selected cities. For instance, the task force includes representatives from the following:

- UN Resident Coordinator in Ukraine,
- UN Office for Project Services (UNOPS),
- UN Development Programme (UNDP) Ukraine,
- UN Environment Programme (UNEP),
- UN Office for Disaster Risk Reduction (UNDRR),
- World Health Organization (WHO),
- International Organization for Migration (IOM),
- UN Coordination of Humanitarian Affairs (OCHA),
- UN High Commissioner for Human Rights (OHCHR),
- UN Human Settlement Programme (UN-Habitat),
- and UNICEF Ukraine.

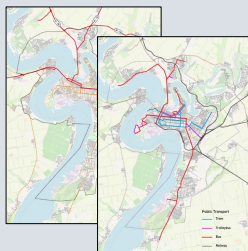
A VISION FOR THE PEOPLE

As a partner of the UNECE Center of Excellence of LIUC University – Sustainable Finance for Cities and Infrastructure, One Works has been invited to support the reconstruction of buildings, infrastructures and places to help one of Ukraine's largest cities build back better.

Recognising the need to involve the international community and the highest level of professional skills, and building on the experience of working with the Norman Foster Foundation for the Karkhiv Masterplan (#UN4Kharkiv), a second #UN4 initiative was launched together with One Works for "The Development of the Future Masterplan for the City of Mykolaiv".

Working in close collaboration with the Mykolaiv City Council, local experts, the local community, and an international task force of industry professionals, six key principles/pillars have been defined to guide the masterplan design, as shown overleaf.

To initiate the successful implementation of the Mykolaiv masterplan, **five Benchmark Projects will be identified**, each in line with the six design principles. The selection of these projects will largely be the result of an online **community engagement campaign**, whereby, using a virtual platform integrated with real time data, local people and businesses can select areas of interest on a map and express their opinions on needs and possible solutions.



MASTERPLAN DESIGN AND CITY WIDE STRATEGIES

Sustainable Mobility, Transport Networks, Utility Networks, Services, Urban Spaces, etc.



5 X BENCHMARK PILOT PROJECTS

Five individual projects within the city will act as benchmark developments for the city.

MYKOLAIV'S VISION



INDUSTRY + INNOVATION

Review latest economic situation and consider the introduction of new industries.

Sustainably integrate business park networks to boost local economy.

Create incentives to attract new businesses.

Guarantee economic balance by attracting new MLE businesses.



AFFORDABLE HOUSING

Promote safe and affordable housing as a pillar for sustainable development.

Establish networks of new and existing neighbourhoods.

Undertake a reform of regulations.

Balance offer and demand.

Use the latest in innovative materials for refurbishing existing buildings.



SUSTAINABLE MOBILITY

Increase accessibility to the city.

Reduce dependency on private transport in favour of sustainable choices.

Upgrade road networks in favour of soft mobility and public transport.

Utilise transport systems to promote sustainable development.

Reduce carbon emissions and greenhouse gases.



GOVERNANCE

Build capacity through public and private stakeholder collaboration.

Create a sustainable, long-term vision shared by all government agencies.

Strengthen cooperation between city departments.

Develop greater insights through investment in data.

Introduce policies to promote innovation and community interaction.



GREEN NETWORKS

Preserve the existing natural ecosystem.

Promote landscape as green infrastructure through soft modes of transport

Encourage harmonious urban landscape with new green belts and corridors.

Create network connecting landscapes and water.

Design green spaces for both recreation and production.



COMMUNITY ENGAGEMENT

Support the city's strategic goals through community engagement

Mainstream community engagement practices in planning framework.

Guide communities and stakeholders in an incremental participatory process, from consultation to empowerment.

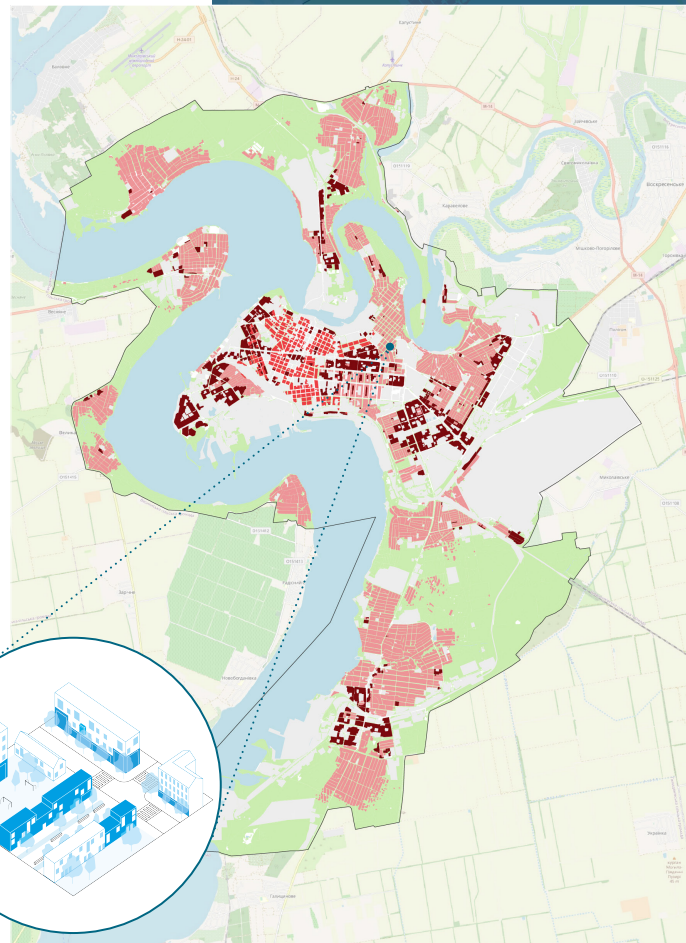
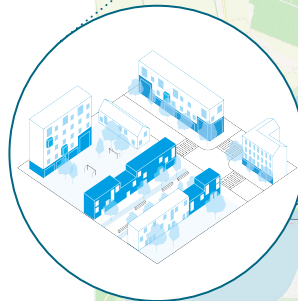
Champion sustainable design solutions.

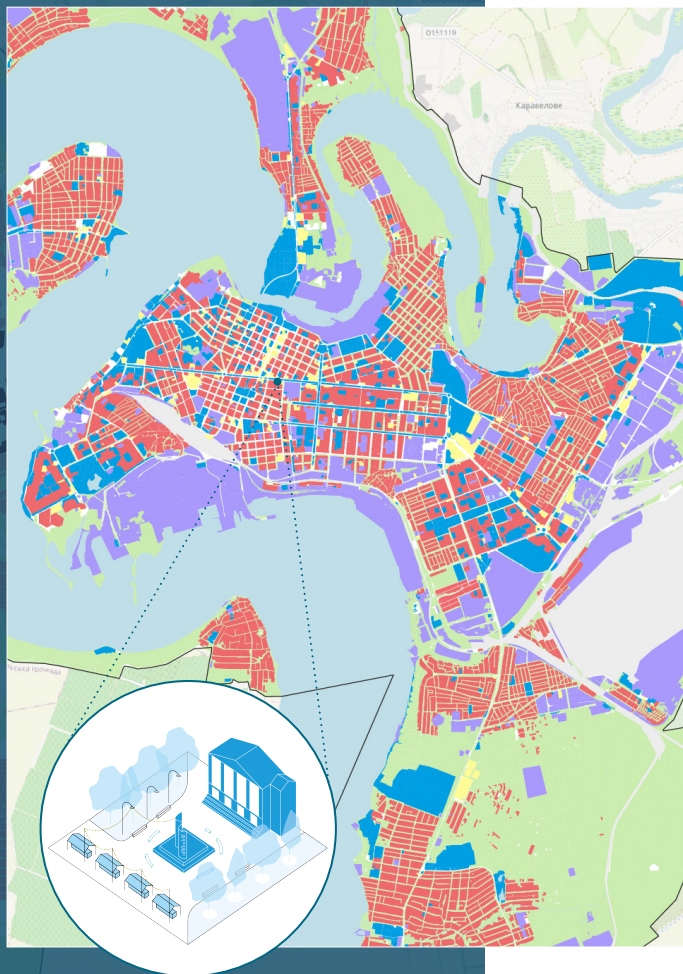
BENCHMARK PROJECT 1

HOUSING MICRO-DISTRICT

As the reconstruction of Mykolaiv begins, one of the most critical long-standing obstacles to overcome will be to provide affordable and permanent housing for both the existing population and generations to come.

Benchmark Project 1 will explore the redevelopment of a residential site within the city boundary. The project will include the refurbishment and retrofitting of existing residential building, as well as the introduction of new housing elements to the scheme.





BENCHMARK PROJECT 2

CULTURE AND HERITAGE

Focused on the reconstruction of Mykolaiv's city center, Benchmark Project 2 aims to return to the city an area, or a building, that is particularly significant from a historical and cultural point of view, and that can become a symbol of hope and rebirth for the city.

As a project of cultural significance to the people of Ukraine, it will be the community to decide whether this project will be an iconic Ukrainian building, a piece of public art work or the regeneration of a public square.

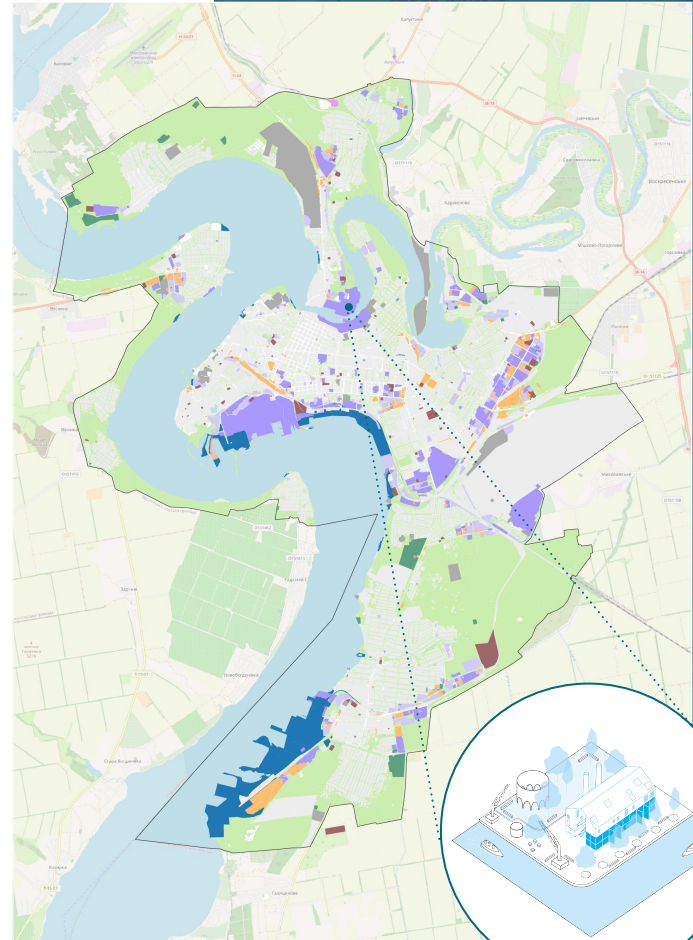


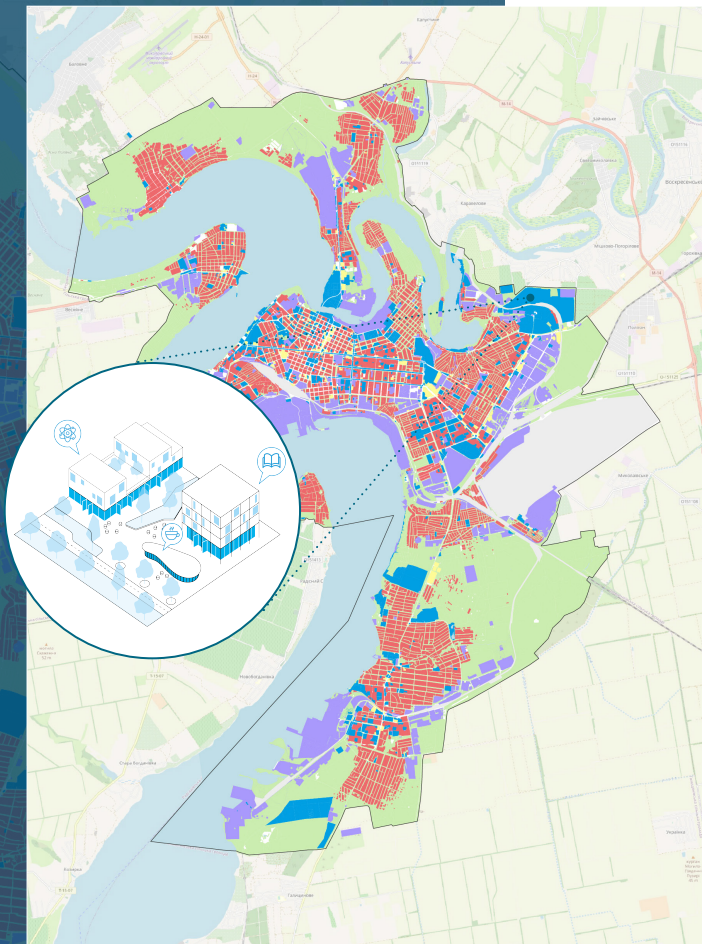
BENCHMARK PROJECT 3

INDUSTRY AND TRADE

Located in a strategic area halfway between the cities of Chersonesus and Odesa, Mykolaiv is a central hub for national and international industry and trade.

To strengthen this position and support economic recovery and medium-long term growth policies, Benchmark Project 3 will explore the regeneration of two industrial sites in the waterfront area. The selected sites will host several functions and uses, as well as host new public spaces, amenities, parks or other mixed uses.





BENCHMARK PROJECT 4

INNOVATION AND ENTERPRISE

Benchmark Project 4 will explore the creation of a new mixed-use neighbourhood focused around science and innovation.

The new urban district will host a range of offices, research centers and light industries, as well as a new science park designed to foster international cooperation and partnerships by hosting new companies looking to settle in Mykolaiv. The strategic location of the site will guarantee sustainable accessibility to a large number of workers and residents along with new public spaces.

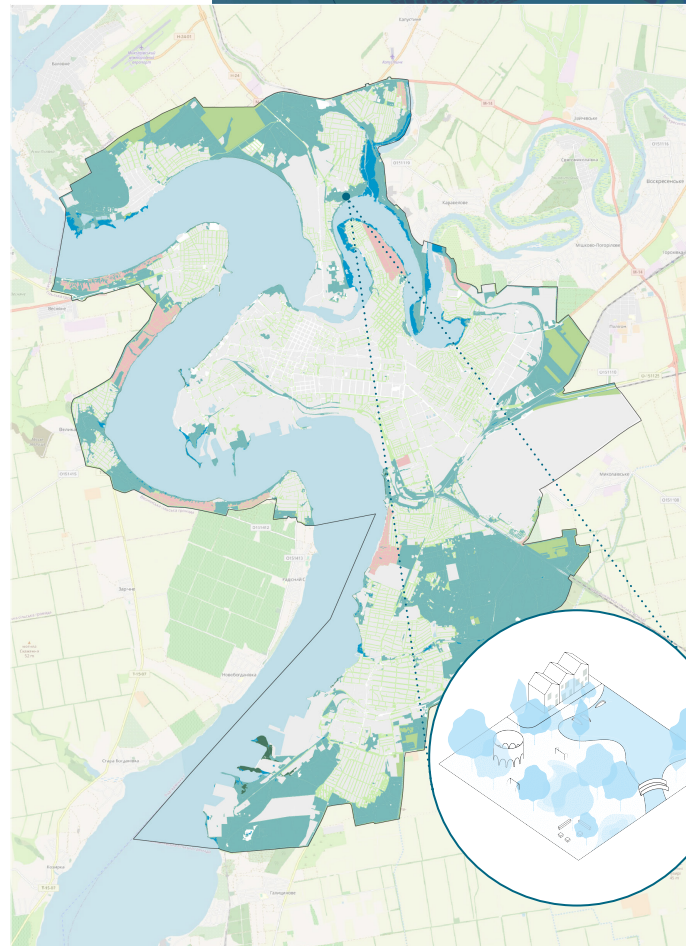


BENCHMARK PROJECT 5

GREEN AND PUBLIC SPACES

Celebrating and enhancing the high-quality public spaces across the city, Benchmark Project 5 will explore the redevelopment of four riverside locations.

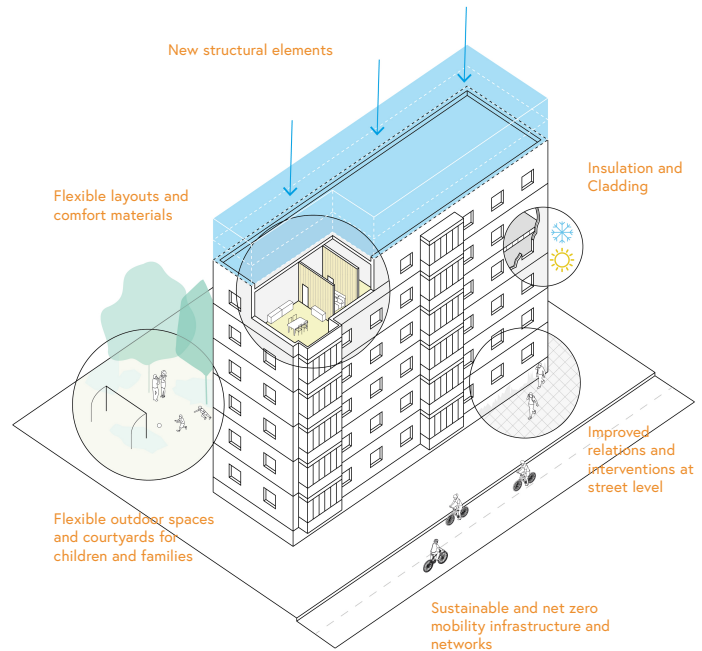
Each selected site will be redesigned with the introduction of new public parks to help support a network of green spaces on both sides of the Bug, providing local residents and visitors with increased accessibility to the Ingul River and a range of new public areas. These green public spaces will offer a variety of health benefits, both physical and mental, and will encourage people to be more active.



INNOVATIVE SOLUTIONS

As a damage assessment of the city continues, it is clear that, in addition to innovative solutions for restoring, enhancing and managing service networks, efforts will also be required for the extensive refurbishment of existing buildings and spaces using innovative and sustainable materials, as well as new elements using the latest in prefab and MMC strategies.

- **Circular city strategies:** develop, use, and reuse buildings, areas, and infrastructure without depleting natural resources.
- **Net-Zero targets:** infrastructure and networks to achieve zero emission mobility and buildings (photovoltaics, ground source heating, etc.).
- **Smart services:** mobility, public services, and safety suppliers promoting sustainability.
- **Integrated water management:** resilient and sustainable systems.
- **Façade refurbishment:** enhanced insulation, windows, cladding materials and systems, etc.
- **Agile spaces:** offers flexibility on land use functions, density changes, etc.



HOW TO HELP

The success of this project to help one of Ukraine's most industrious cities build back better will largely rely on the support of the international community.

If you would like to support the initiative in anyway, we would love discuss this with you. Please contact Project Team Leader, Ana Paez at a.paez@one-works.com