

ReACT4UA and EU4Business – Programme elements



Improved resilience and competitiveness of Ukrainian SME in light of the EU accession

Institutional and regulatory framework for strengthening SME competitiveness:



The programme works for the benefit of SMEs:



< 249 employees

Striving to export to international markets, primarily in the EU

In focus:

- innovations
- women's entrepreneurship
- war needs

Total number of participants in 2020–2023:

20.000+

EU4Business supports Ukrainian clusters through



Capacity enhancement:

- trainings
- visits to enterprises



International expert exchange dialogues



Trade missions and exhibitions



Business matchmaking:

- sessions
- platforms



Procurement of equipment



Mini grants



Focus on Clusters

INTERMEDIARY SUPPORT:

Ukrainian Cluster Alliance

DIRECT SUPPORT:

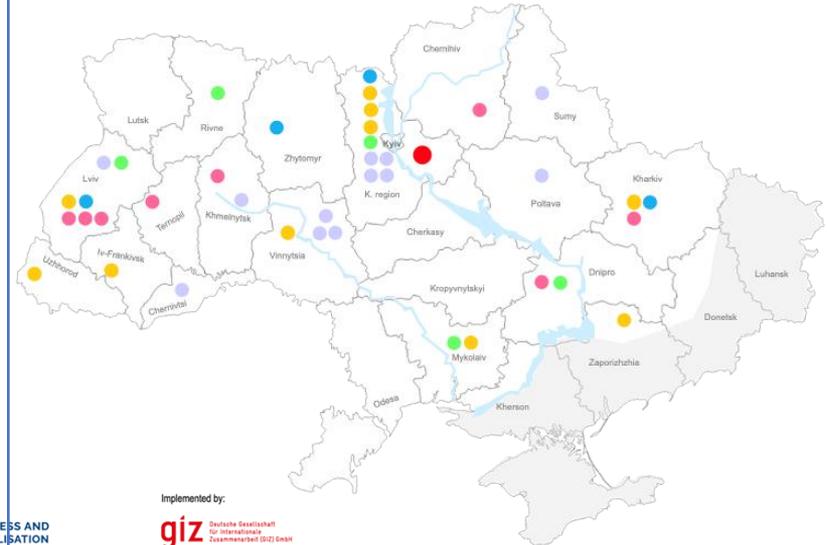
Innovation, science, technology

Industrial + Engineering–Automation–Machinery

Other: pottery, furniture, agri-food, tourism

Design, fashion, publishing, movies, light industry

Medicine





Overview and clusters presentation

RC1

ENGINEERING – AUTOMATION –
METALWORKING – MACHINERY (EAM)
+ AEROSPACE +IT

14 clusters

RC2

AGRI-FOOD

13 clusters

RC3

Medical

6 clusters

Cross-sectorial RC4 'Smart Regions / Smart Cities'

Committee of
Internationaliza
tion

Cross-sectorial RC5 'Dual-Use technologies'

Committee of
Innovation and
Cluster policies

Cross-sectorial Committee of twin transition ('Industry 4.0 – 5.0')

TEXTILE INDUSTRIES

7 clusters

CONSTRUCTION – WOOD -FURNITURE

3 clusters

OTHER INDUSTRIES

17 clusters

60 clusters

UCA clusters delegation in Iași

Typical projects of UCA in the development of industrial ecosystems

Ecosystem projects and programs

1. Development of the network of DIHs
2. Development of a network of independent, certified Experts (SIRI).
3. Industry roadmaps of digital transformation.
4. Technical support regulation: harmonization and promotion of ISO / IEC.
5. Eastern European network of developers and integrators, I4.0-5.0.
6. Center for Standardization and Industry Competence Centers...

Production projects

1. Contract manufacturing of composite / advanced materials, dual-use technologies
2. Battery production
3. Network of regional mini-plants in Milk industry
4. Public transport manufacturing
5. Manufacturing of endoprosthesis
6. IT: data space and mapping of construction facilities



<https://www.clusters.org.ua/en/future-projects/>

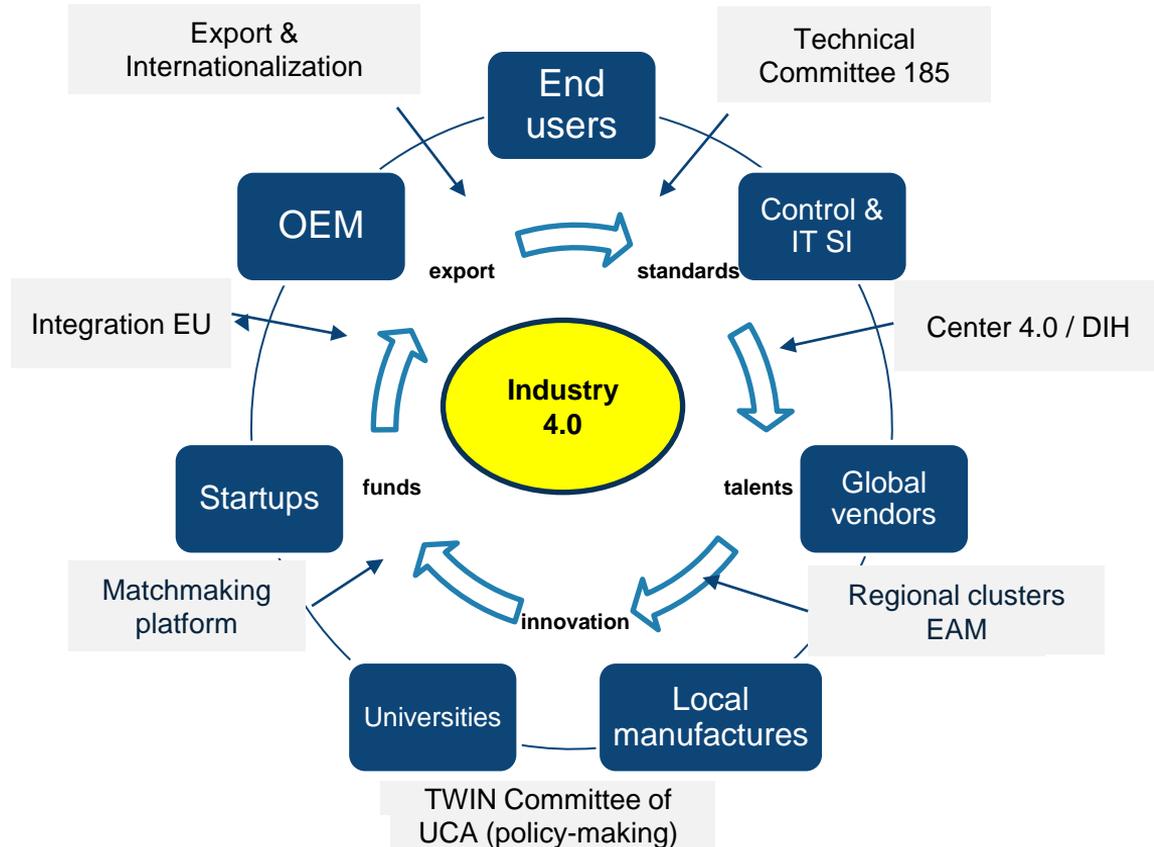
Association of Industrial Automation of Ukraine

300+ members in the national movement Industry 4.0 – 5.0

65 members

Key roles

- Ecosystem & collective assets building
- Coordination and orchestration
- Standards setup
- Internationalization



ESG Data Hub for SMEs and Clusters

Project idea- To develop a comprehensive suite of ESG tools and digital solutions, empowering industrial SMEs within clusters to implement ESG strategies and transition towards a low-carbon economy.

Project Goal. Provide SMEs with the necessary tools and knowledge to achieve ESG and net-zero targets, thus enhancing their sustainability profile, ESG rating, market value, and access to green finance.

Contribution to Recovery. Ukrainian companies and clusters can demonstrate their commitment to sustainability by embracing ESG principles and aligning with the EU Green Deal. This approach will enhance their competitiveness, attract investment, and ensure sustainable project implementation. This will also make it possible to build stable, mutually beneficial and transparent relations between Ukrainian and European companies.

Key Innovative technologies - Blockchain, Fiware (i4Trust building blocks for data space)

Alignment with TWIN transition - Our project aligns with the TWIN transition by providing a Web3 platform that facilitates the digitization and automation of ESG data management and reporting for industrial SMEs, clusters, and investors.

Participating sectors - Agri-Food, Machinery, and Equipment Manufacturing.



We are looking forward to the next steps of our collaboration:

- Joint projects in the field of European Green Deal and Sustainability;
- Collaboration in EU development grant programs (innovation, blockchain, digitalization, green transition, sustainable development, etc.);
- Joint innovation programs and commercial projects between EU and Ukraine clusters and companies.

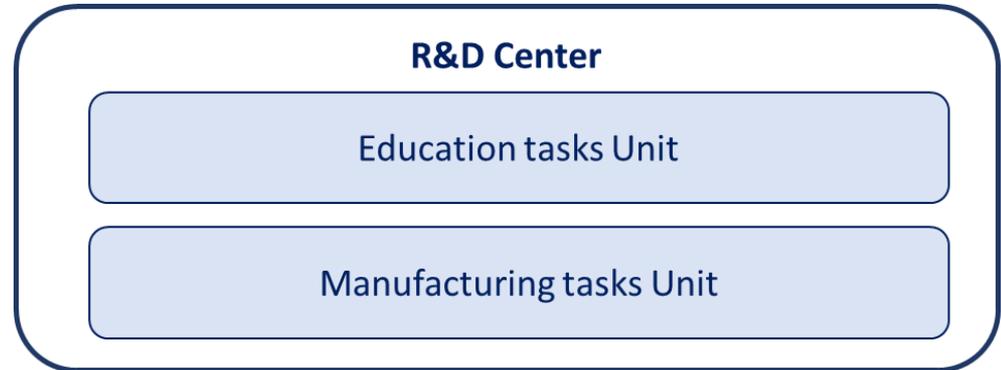
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Automation and Instrument Making Cluster of Vinnytsia

The main project of our cluster at the moment is the creation of an **R&D center**, for the implementation of which we are searching for new partners who will help us with this.

Objectives of the project:

- Human resource development / dissemination of knowledge about modern industrial technologies for different audiences;
- Creating a prototyping hub;
- Small-scale production;
- Testing and certification of products;
- Acceleration of the life cycle of innovative products.



"BLACK SEA" CLUSTER

Project "creation of wind hydrogen complexes within the framework of the cluster "BLACK SEA"

Ukraine has significant natural potential for energy production from renewable energy sources, which allows producing renewable hydrogen. The total potential of the average annual production of "green" hydrogen is about 505 billion cubic meters.

Large-scale production and use of hydrogen in Ukraine, combined with the strong development of renewable energy, will help decarbonize the energy sector, infrastructure sector, and industry.

The territory of the Prychornomorsky cluster can become a platform for the production of renewable hydrogen not only for its clean energy needs, but also for export to the EU market.

The Black Sea sub-region is expected to introduce the most environmentally friendly technologies so unlike the traditional concept of "green" ammonia, the project contains significant differences that increase its environmental attractiveness:

Ammonia production at all stages will use exclusively renewable energy sources: wind, solar and biomass energy.

The electrolyzers will use purified water from municipal wastewater to produce hydrogen in municipal wastewater.

The biomass contained in the sludge from the wastewater treatment plant will be utilized and used to produce additional hydrogen through thermal steam-oxygen conversion, which will also utilize excess oxygen from electrolysis processes will also be utilized.

The project concept includes three green stages instead of one in the traditional scheme and a waste-free closed-loop production of "triple green" ammonia.



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UCA Resource Center «Agri-Food»

«EXPORT AND LOGISTICS HUB» PROJECT

GOALS AND OBJECTIVES:

- Export sales;
- Logistics support

«VALUE-ADDED CHAINS» PROJECT

GOALS AND OBJECTIVES 2023-2024:

- New niches in the global agri-food space;
- New cluster system;
- New value-added chains.

«RAPID RESPONSE CENTERS (RRC)» PROJECT

GOALS AND OBJECTIVES:

- Active development of cluster capabilities
- Optimization within the framework of RRC;
- Operates independently.

«UKRAINIAN CRAFT» PROJECT

GOALS AND OBJECTIVES:

- The legalization of micro and small enterprises;
- Establishing system;
- Standard "Ukrainian Craft";
- Establishing a regulatory framework and transparent mechanisms.

Agro-tourism cluster “On the ways of the Tripolian ancient mother”

Goals and objectives:

- Creating a cluster development strategy;
- Development of small communities;
- Involvement of tourism organizations in Moldova and Romania.

Types of activities

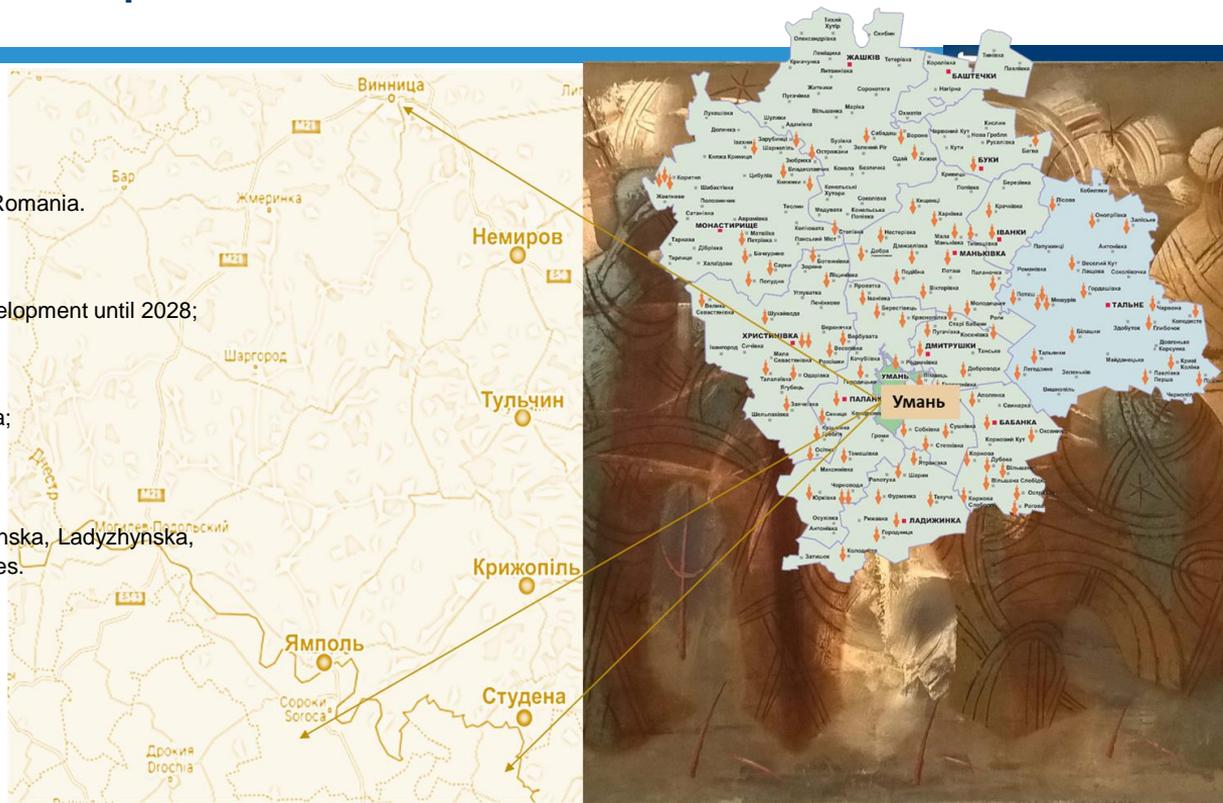
- Research of tourism, agricultural, and labor resources;
- Creation of a strategy and plan for local economic development until 2028;
- Branding and promotion.

Initial results

- System of routes, including with Romania and Moldova;
- 2500 jobs in at least 20 communities;
- 50 new tourist locations.

2022 y.: Talnivska, Khrystynivska, Butska, Monasteryshchenska, Ladyzhynska, Mankivska, Umanska, Yampil'ska, Studenianska communities.

2023 y.: + 12 communities.



Health check-ups. International iteration. Lviv cluster of medical business

Concept of the project: To ensure equal access to medical care and revitalization of medical tourism between Ukraine, Slovakia, Romania, Hungary, and Poland and in accordance with the concept of a safe and reliable Europe, we offer a joint cross-border cooperation project.

The main idea of the project: to establish cross-border cooperation between neighboring countries with the aim of improving access to medical care based on the Be Healthy medical checkup platform, which was created by the Lviv cluster of medical business. On the platform, private medical institutions of Lviv region with high standards of medical services offer an easy and affordable way to undergo the most important examinations in various areas of human health and, if necessary, to receive affordable medical care.

CHECK-UP LVIV Чекапи Медичні центри Медичний кластер Про Be Healthy Контакти Блог EN

ПІКЛУЙСЯ ПРО НАЙЦІННІШЕ ЗДОРОВ'Я СВОЄЇ СІМ'І
Система медичних чекапів для українців, яким важливо мати ясне та довге життя.

Чекап – це набір діагностичних процедур, які дозволяють виявити відхилення або й захворювання систем організму для подальшого раннього лікування.

8 РОКІВ різниця середньої тривалості життя людей в Україні та у Польщі
Як треба?
Процедури чекапів (діагностику) регулярно

Одна з причин:

50 medical centers
10 check-ups
5 countries



UCA Resource Center «MEDICAL CLUSTERS»

«REHABILITATION» Training of multidisciplinary teams»

GOALS AND OBJECTIVES:

- Implement the latest rehabilitation methods by training multidisciplinary teams

WHAT KIND OF ASSISTANCE DO WE LOOK FOR?

- exchanges of experience between doctors in different countries
- Contacts of experts who ready to train Ukrainian teams

«Innovative Ukrainian bionic hand prosthesis»

GOALS AND OBJECTIVES :

- To complete the creation of a bionic hand prosthesis, which is 7 times cheaper than analogues and the hand rotates in several planes

WHAT KIND OF ASSISTANCE DO WE LOOK FOR?

- Find investments or partnerships for joint final development of a bionic hand prosthesis

«Creation of a center for preparing for actions in the conditions of terrorist threats»

GOALS AND OBJECTIVES:

- Increase the ability of people in Ukraine to save their lives
- Create a center for the exchange of experience in education between Ukraine and neighboring countries

WHAT KIND OF ASSISTANCE DO WE LOOK FOR?

- Partners for the joint project of creating a training center
- Development of joint training programs taking into account the experience of wars in Ukraine and international training protocols

«Conversion of houses for rehabilitation to the needs of people with disabilities»

GOALS AND OBJECTIVES:

- Convert 40 houses into a hospital for veterans

WHAT KIND OF ASSISTANCE DO WE LOOK FOR?

- Partners, organizations that have experience in adapting to the needs of people with disabilities for joint grant projects

Proposals for collaboration

Proposals to collaboration

To build a **clear roadmap of collaborations** through the development of the Committee 'Romania – Ukraine' and its activities

To **build partnerships and start preparing projects** of Recovery regarding priorities already established by the Ukrainian Government (12 key segments)

Ukrainian Cluster Alliance can be considered as **an access channel and key partner**

- Organization and support of business missions Ukraine – Romania / access to key clusters and enterprises in Ukraine
- Organization of specific Cluster-2-Cluster and B2B meetings regarding target projects and programs
- Integration into [#Professionals4Ukraine 'ambassadors program'](#) which emphasizes and promotes Romanian professionals and activities focused on Ukrainian Resilience and Recovery.



Follow EU4Business news

We have a lot of interesting initiatives until 2025 for:

- SMEs
- city communities
- clusters
- business intermediary organizations

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#eu4business

#MovingForwardTogether

#gizSME



Thank you for attention!



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