#StandWithUkraine





CLUSTER SMART INDUSTRY

Association of Industrial Automation of Ukraine











Ukrainian Ecosystem of Industry 4.0

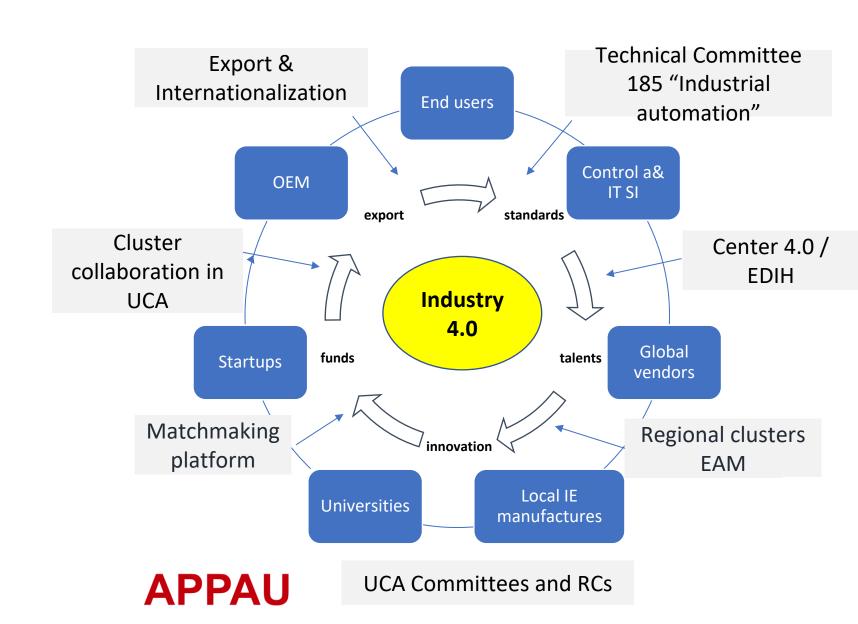
9 Clusters

500+ members in Industry 4.0

2 Committees and 4 Resource Centres (UCA)

Key roles of UCA / APPAU

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



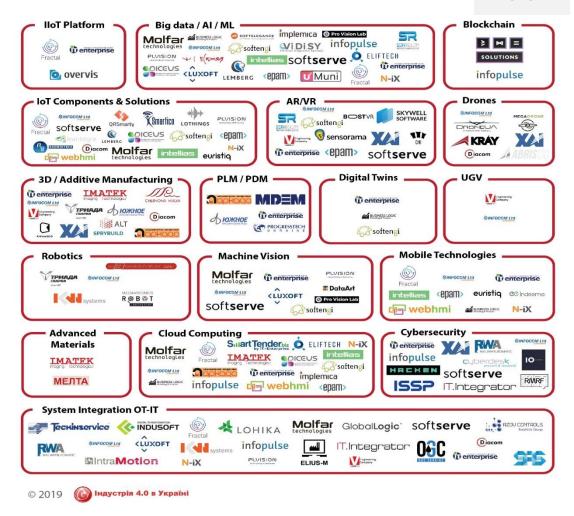
Key activities

- Strategic development of the national Industry 4.0-5.0
- Market education
- Accounting and promoting local innovators 4.0-5.0
- 4. Standardization (ISO / IEC)
- 5. International cooperation (EDIH, EU4Digital, ECCP etc)
- 6. Regional cluster development and smart-specialization
- 7. Sustainable and circular manufacturing

UKRAINIAN LANDSCAPE INDUSTRY 4.0 TECHNOLOGIES

ВЕРСІЯ 2.0

100+



https://land4developers.com/



Resilience and Victory



Recovery

- 1. The course to governance 5.0.
- 2.Integration and cooperation with the defense industry
- 3.Strengthening the resilience of value chains and ecosystems.
- 4.Decentralization and adaptability for less vulnerability, resilience, and stability.

- 5. Restoring and growing human capital
- 6. Inclusive, proactive, and innovative SMEs
- 7. Focus on Deep Tech innovations
- 8. Transition to a circular economy.
- 9. Digitalization is not only for profit but also for people and the planet.
- 10. Transition to ESG principles and standards.

Manifesto regarding transition of Ukraine to Industry 5.0

UCA Project portfolio 2024

Cluster4Defense

Program level

Industries oriented programs & projects

Developed by Resource Centers

Agri-food

Smart Cities

Healthcare

Dual-use

Advanced Manufacturing

Energy

Developing new **Value Chains**

Ukrainian Craft

SMEs internationalization and Regions

Smart regions (Burshtyn+)

Modernizing municipal transport

Building new residences in destroyed regions Rehabilitationinnovation products

Smart Hospital

Innovation medical training

Cluster4Defense

Demining program

Production Scale-Up

Plants 5.0

Digital Metrology

Maritime Competence Center 4.0

Clusters4Energy

Meta-cluster Energy network

Optimizing microgrid





Projects to support innovation ecosystems and cluster development



Twin transition / Innovation support

ESG Cluster HUB

Prototyping center

Circular economy RS

Marketplace Innovators 4.0

Industry accelerators

Inno-fundraising platform

Industry 5.0 strategy

Digital roadmap

Green roadmap / waste management

Internationalization

Professionals4 Ukraine

Harmonization of Tech standards

Business missions & study tours

Reskilling-Upskilling

Industry Reskilling /Upskilling schools

> Training online platforms

New EdTech

Cluster development

Academy of Leadership

Cluster management school

Project management school National cluster accreditation

Regional cluster policies

Analytic Center



Proposals to collaboration

- To be based on <u>Clusters Partnership 4 UA MoU</u>, signed in Kosice (Alliance CEE-Ukraine clusters association) – regular meeting and building common long-term agenda sector by sector
- To intensify bi-multilateral collaboration with regard to Twin transition of SMEs by programs (e.g. DanublA) by
 - Common EU projects
 - Projects funded by States and intl organizations
- To build partnerships and start preparing projects of Recovery, see the <u>overview</u>







THANK YOU!



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APPAU