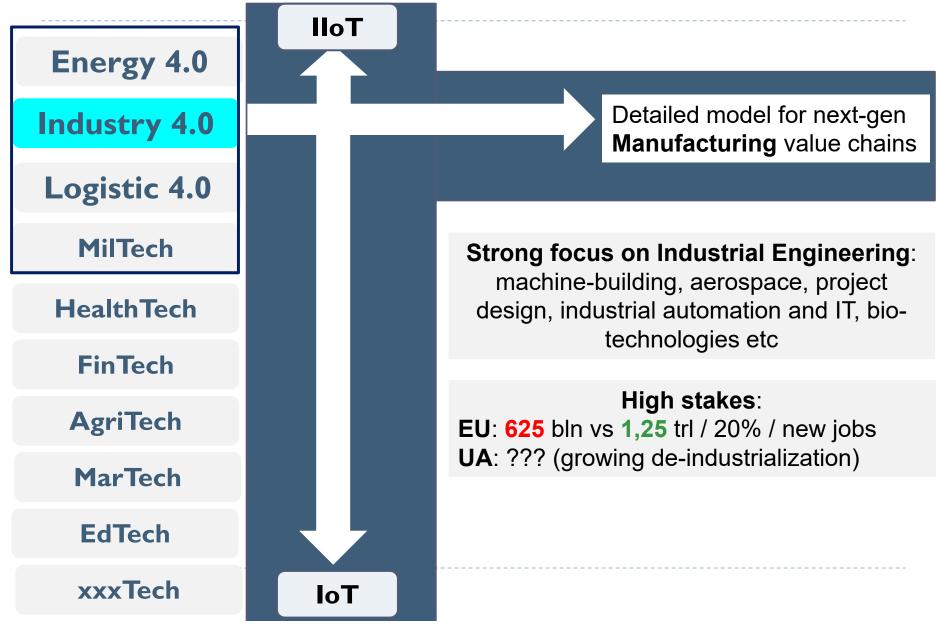
Industry 4.0 in Ukraine



'it's all about twinning'

16 of October, Belgrad

Industry 4.0 It is about smart manufacturing



Starting twinning & integration in EU: first lessons from 2017-18

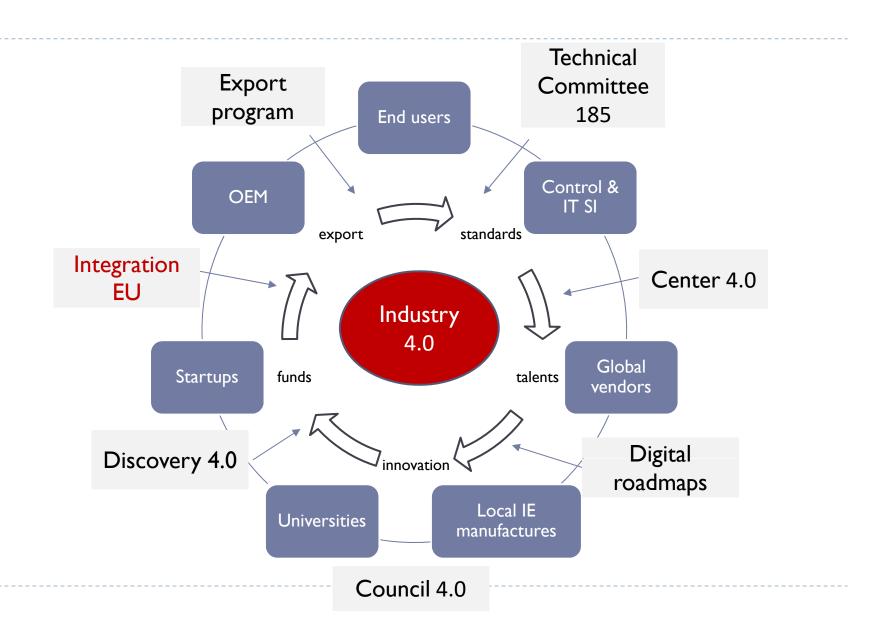




Building IoT cluster collaboration program Poland-Ukraine

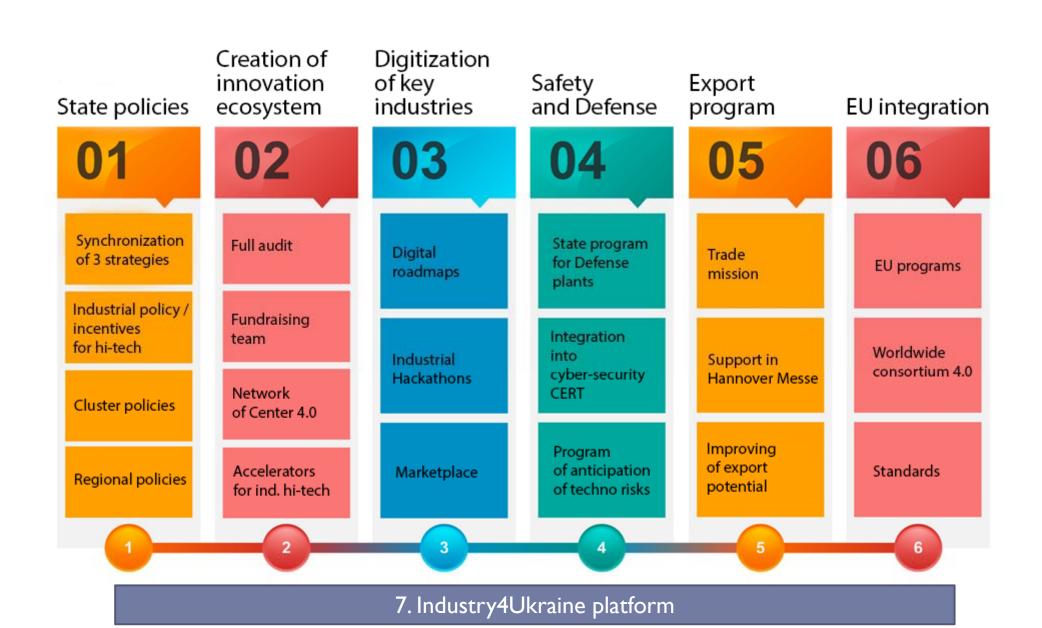
EaP / H2020

Building collective and connective assets



New strategy INDUSTRY 4.0

Industry 4.0: projects 2019-2021



5 basic factors

- 1. Basic growth
- 2. Focus on Industrial Engineering
- 3. Inclusiveness & coordination





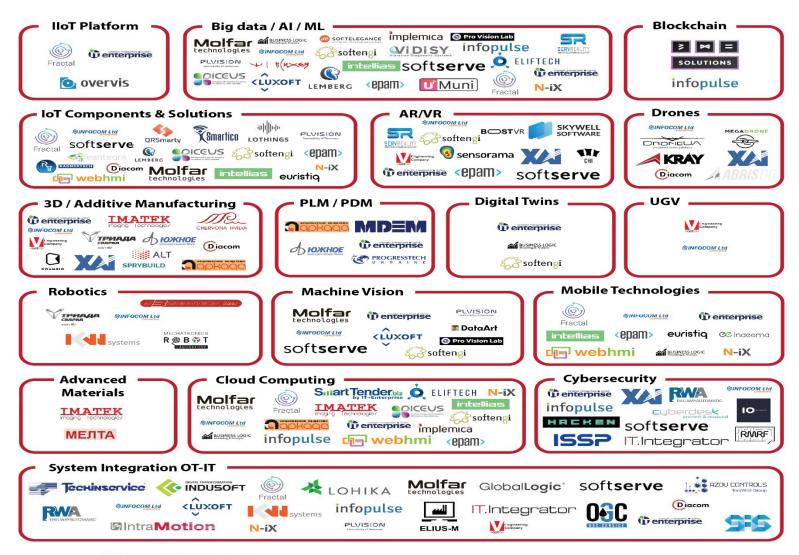
- 4. Fast digitization of basic industries
- 5. Development of innovative ecosystems



UKRAINIAN LANDSCAPE INDUSTRY 4.0 TECHNOLOGIES

76

ВЕРСІЯ 2.0



ISRAELI INNOVATION: INDUSTRY 4.0

THERE ARE OVER 150 INNOVATIVE INDUSTRY 4.0 START-UP COMPANIES IN ISRAEL















Grow ventures is an early-stage than, soused on meeting in cutting odys does bromology stratups. We expoor beast storage throughout their inception and growth by previoling our cut hant strategorates, with the capital superfiles and network research in through and that discounted in their and that discounted in their and that discounted in their countries.











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Digitization of Basic industries



AUSTRALIA'S MINING AND METS SECTOR



400 operating mines

\$133.2 billion in direct Gross Value Added (GVA) in 2015–16 \$10 to \$40 billion

GVA for the METS sector*

Source: Deloitte Access Economics (2017),10 METS Ignited (2016),11 Austmine (2017).12

* METS sector GVA based on a combination of published and existing estimates.

Australia's METS Sector



Employed 386,000 highly skilled workers in FY12



\$90 billion revenue in FY12



\$15 billion of exports



METS organisations accounted for the majority (~76%) of patents filed in the Australian mining sector between

1994 and 2011



80% of METS businesses are Australian owned

METS businesses in 2013

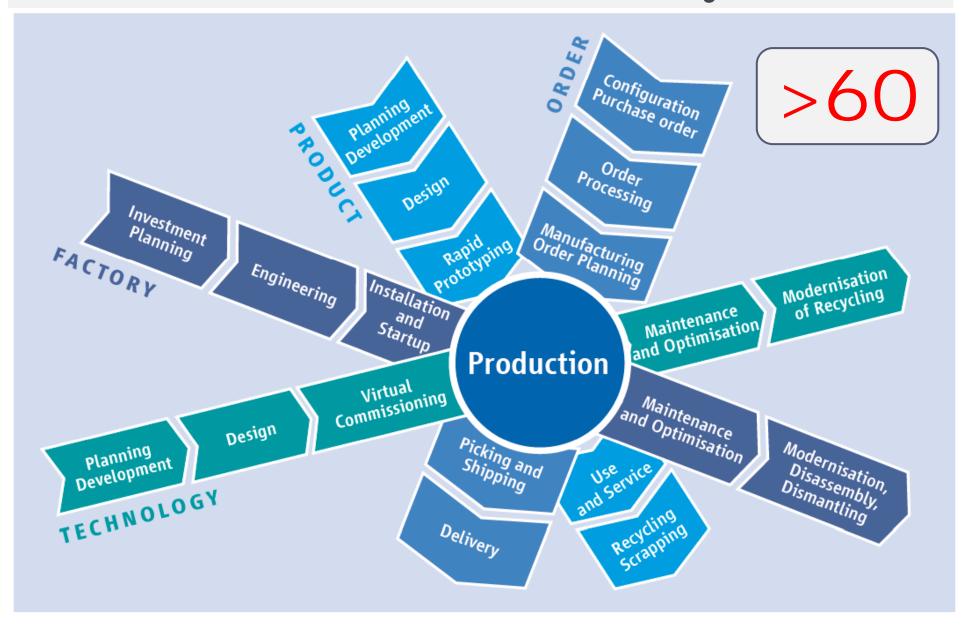
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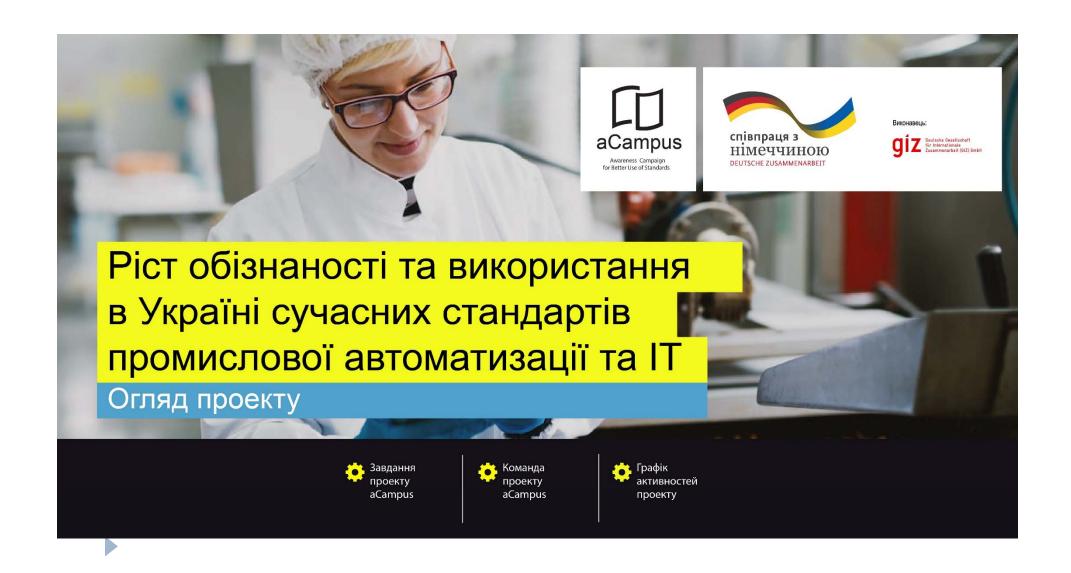
\$1.18 billion expenditure on research and development in FY14

Source: METS Ignited (2016),11 Department of Industry, Innovation and Science (2016),13 Austmine (2013, 2015, 2017),14 15 16 IP Australia (2015),17

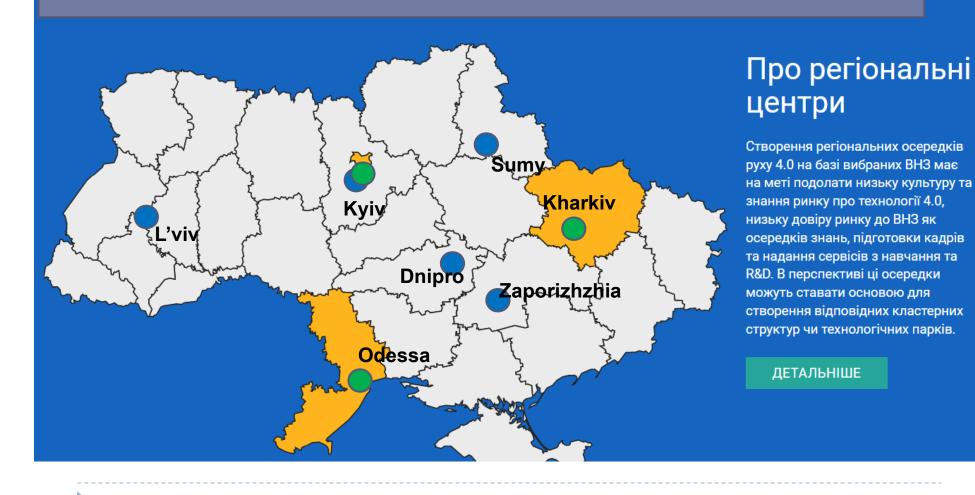
Technical standards in Industry 4.0



Awareness CAMPaign for better Use of Standards



The network of Center 4.0 through Ukraine



I4MS: Digital Innovation Hubs



Roles and functions

- Digital expertise
- Testbeds and Labs
- Access to best expertise and solutions base
- Support in commercialization
- Development of innovative ecosystem
- Technologies brokerage
- Access to funds
- Accumulation of market expertise
- Training and education
- Incubation & mentoring

EAM clusters

Engineering, Automation, Machinery

Smart Product

- Technologies4.0
- Service models
- High level of integration (inside & outside)

Weak competitiveness

Smart Organization

- Collective vs individual possibilities
- Focus on capabilities development
- Common 'fight for talents'

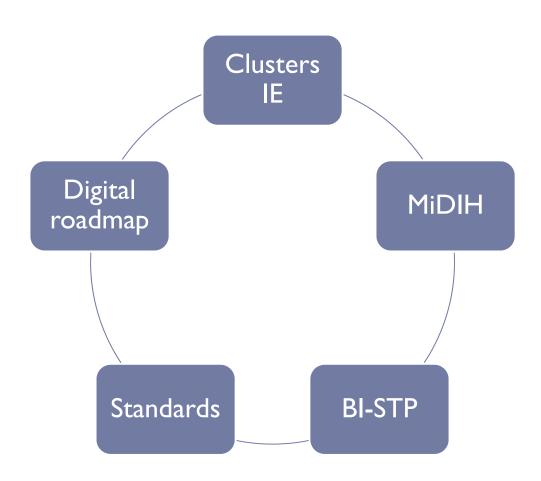
Broken value chains

Smart Export

- Global values chain
- EU integration
- Better use of local service providers (as EPO, APPAU etc)

Difficulties of international trade

All directions for twinning

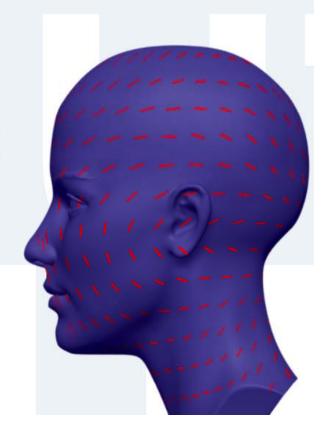


For each mentioned initiative we need EU partner and we're ready to cooperate **Exhibition Center**

TRANSAMATION

Trans4mation is a forum for business owners, CEOs and department managers.

Our goal is to show how Industry 4.0 technologies have a positive effect on businesses. We will show you real cases of digital transformation in Ukraine and in the world.



22 of November, Kyiv, Ukraine