



**National Technical University of Ukraine  
'Igor Sikorsky Kyiv Polytechnic Institute**



# **Igor Sikorsky Kyiv Polytechnic Institute's Innovative Ecosystem**

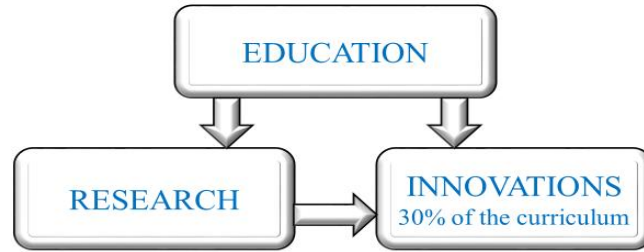
**Oksana Yurchyshyn**

**Department Research and  
Innovations Support**

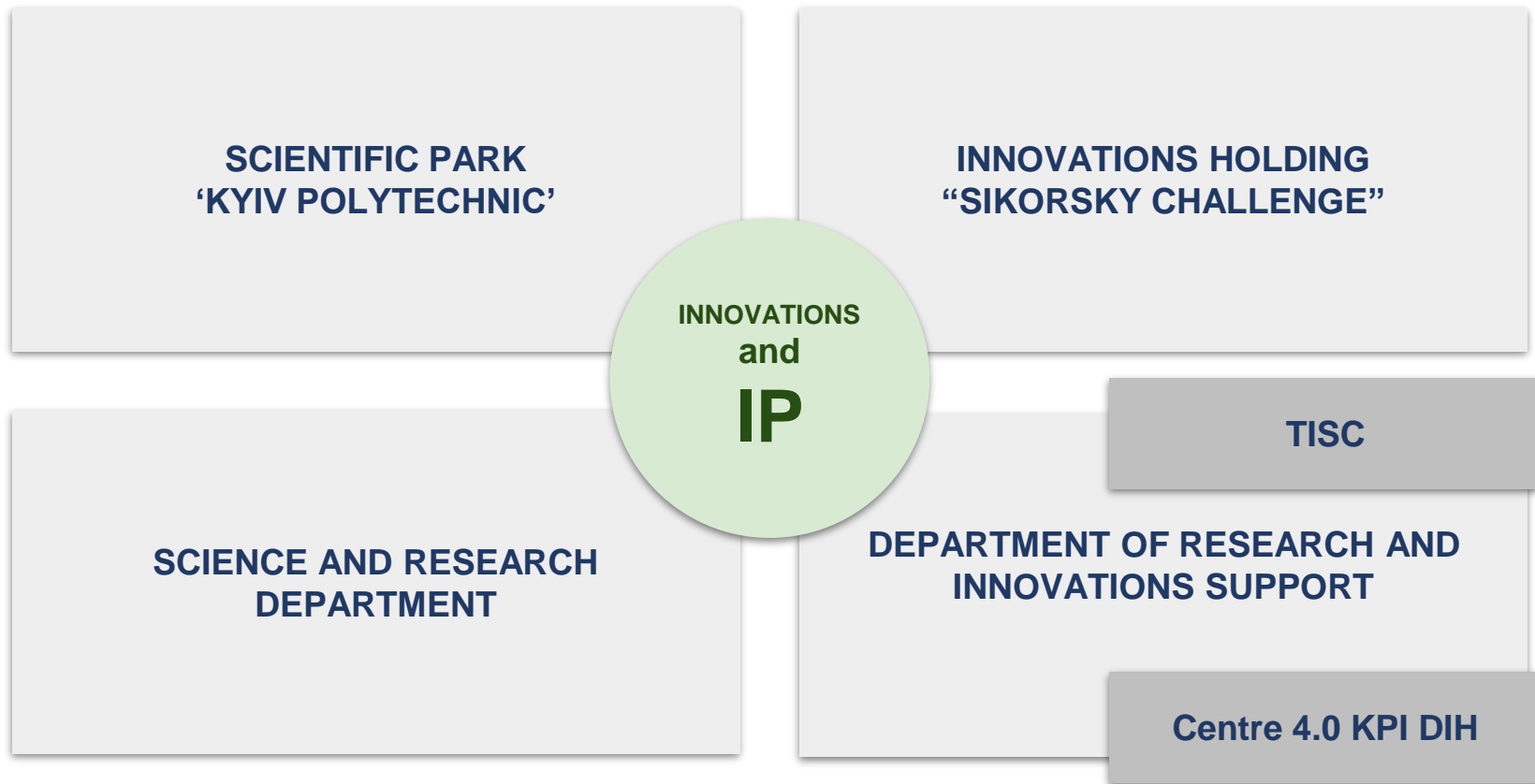
October 25, 2023



# KPI model as a research University



# ECOSYSTEM OF INNOVATION'S CREATION, PROTECTION AND COMMERCIALIZATION



# Igor Sikorsky KPI today

**1898**

year of  
foundation

**74**

scientific  
schools

**270**

scientific  
teams

**>25 000**

students

**≈ 150**

startups  
per year

**43**

BSc

**92**

MSc

**37**

PhD





# SIKORSKY CHALLENGE UKRAINE



# All-Ukrainian Innovation Ecosystem «Sikorsky Challenge Ukraine»

**VISION:** the Innovation Ecosystem "Sikorsky Challenge Ukraine" is a model and driver of high-tech Ukraine's economy

**MISSION:** to develop an environment where new ideas and innovations are born, startup companies are created that bring new high-tech products and services to local, national, and global markets

**National Partners**



Science Park  
"Kyivska Polytechnika"



Sikorsky Challenge  
"Sikorsky Challenge KPI"

Startup School



Igor Sikorsky Kyiv Polytechnic Institute

**Universities & Startup Schools**

**Inter-National Partners**

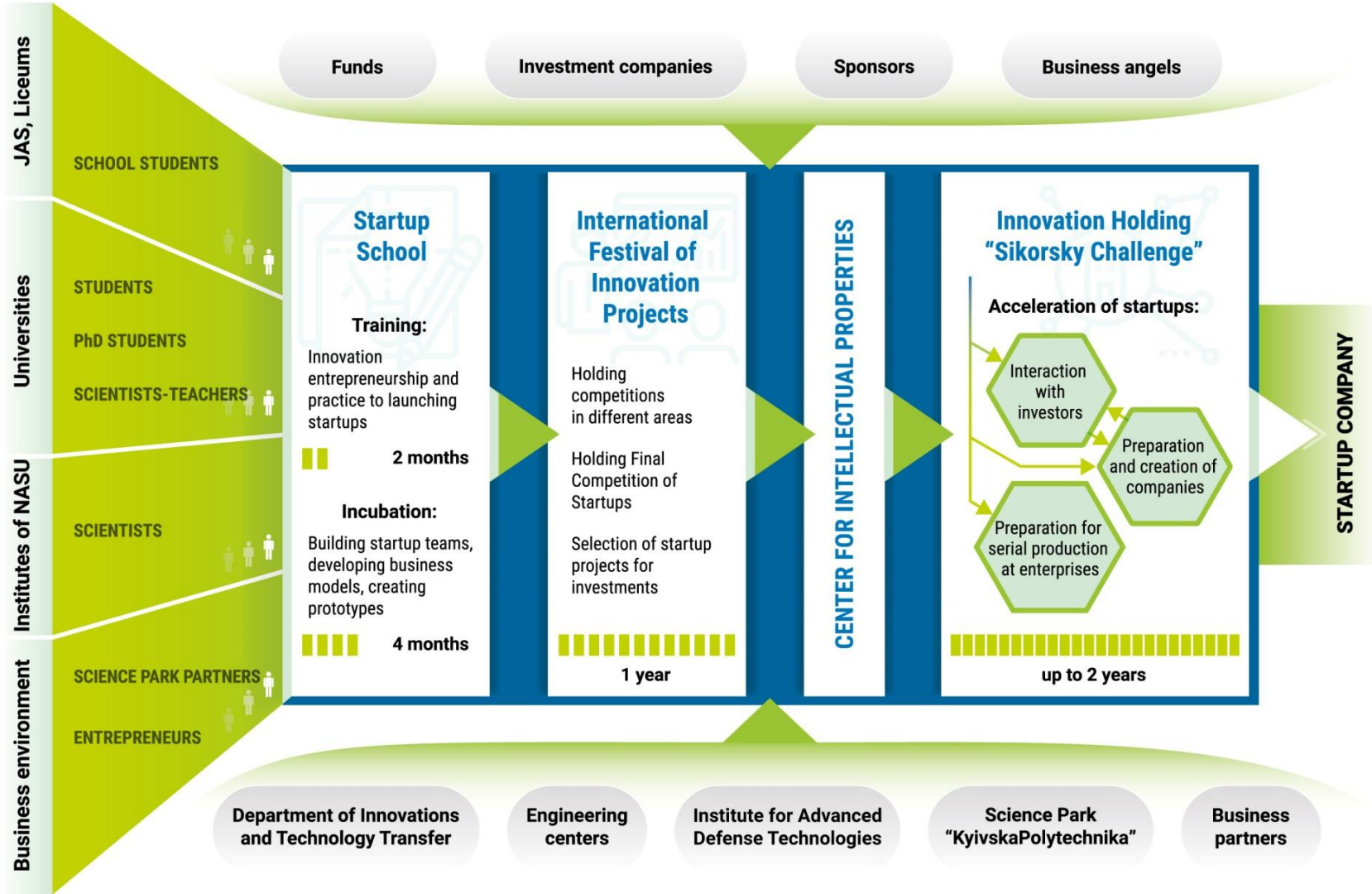


International Festival of Innovation Projects "Sikorsky Challenge"



Innovation Holding "Sikorsky Challenge"

Startup companies





**Universities and  
Research  
Institutions**

**Local Governments  
and Public  
Authorities**

**SCU it is an open innovation ecosystem that unites the  
country's institutions interested in the development  
of the Ukrainian innovation economy**

**Hi Tech  
Business Companies**

**Foundations and  
Public Organizations**



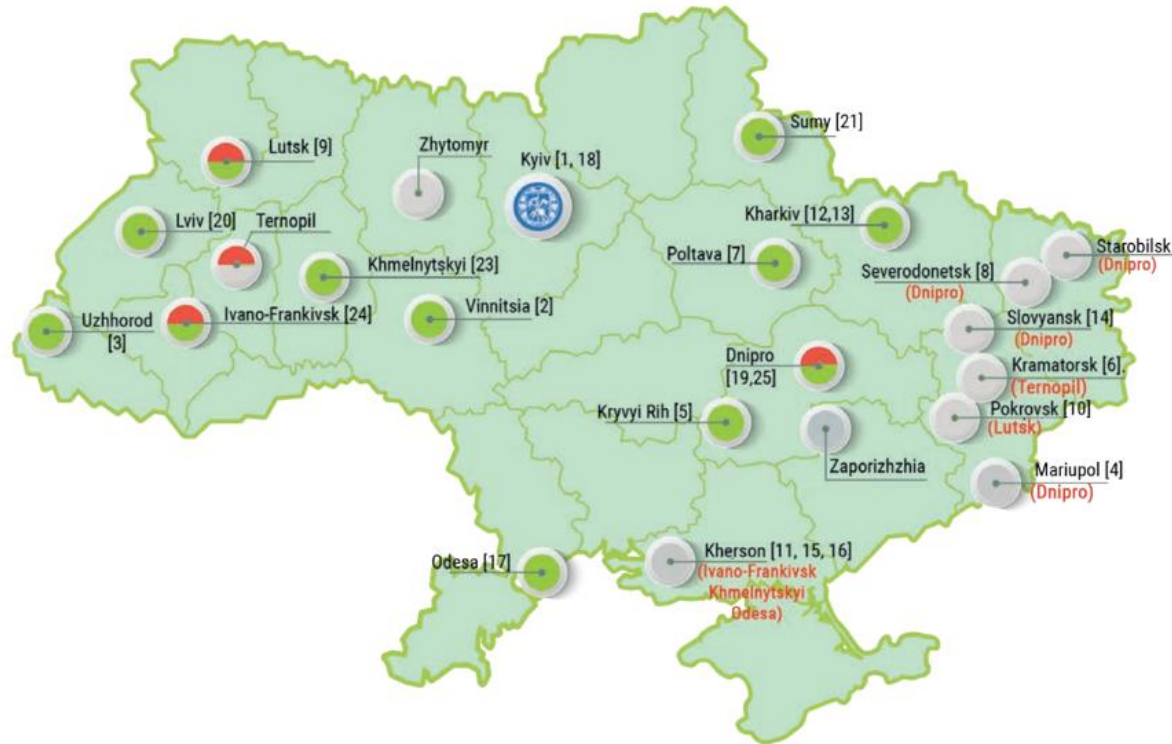


# Scaling and distributing of 'Sikorsky Challenge' project



**Structure of a City Innovation Cluster**

# Scaling and distributing of 'Sikorsky Challenge' project



Startup Schools of Sikorsky Challenge Ukraine

# Directions of SCU's innovative development







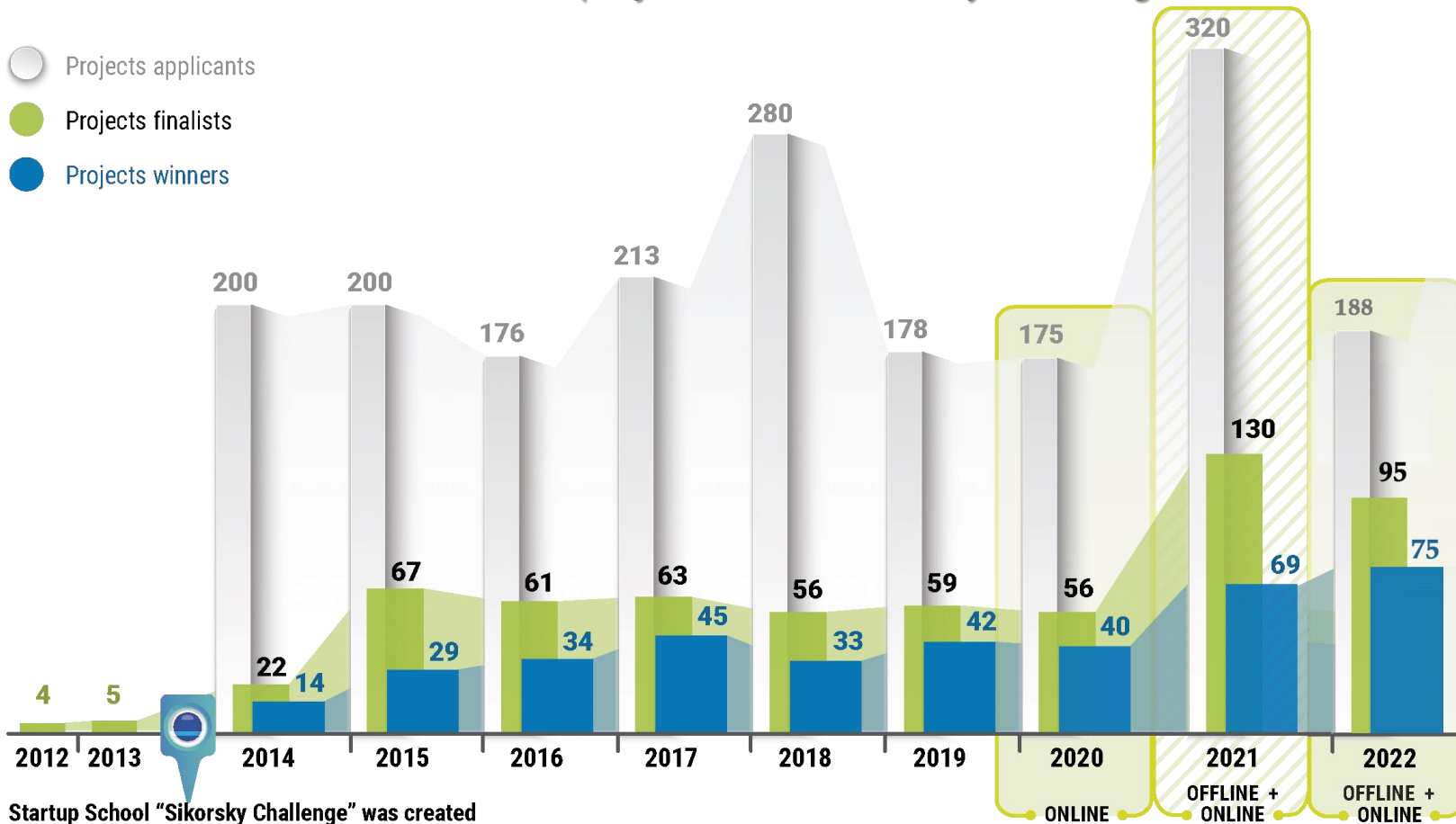
*Sikorsky*  
Challenge  
**Ukraine**

*Sikorsky*  
Challenge **2022**



# Festival of innovative projects of the Sikorsky Challenge Ukraine

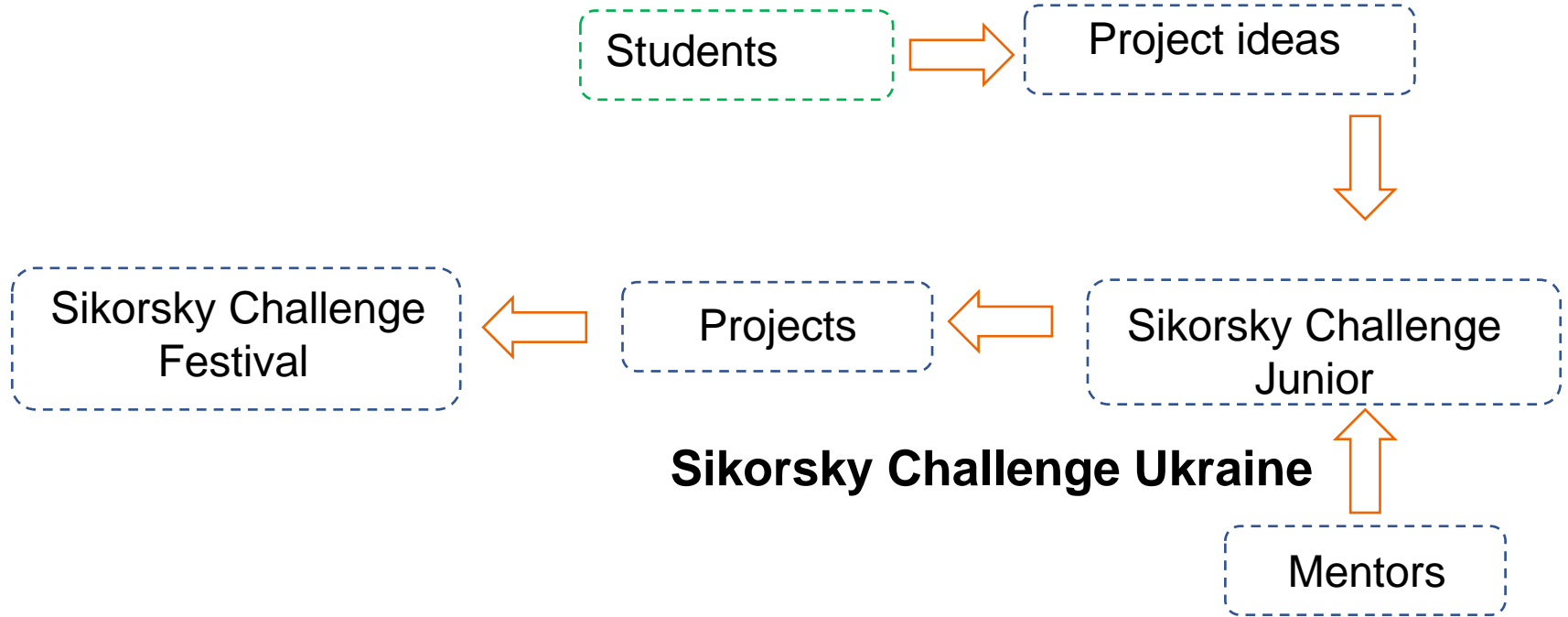
- Projects applicants
- Projects finalists
- Projects winners



Startup School "Sikorsky Challenge" was created

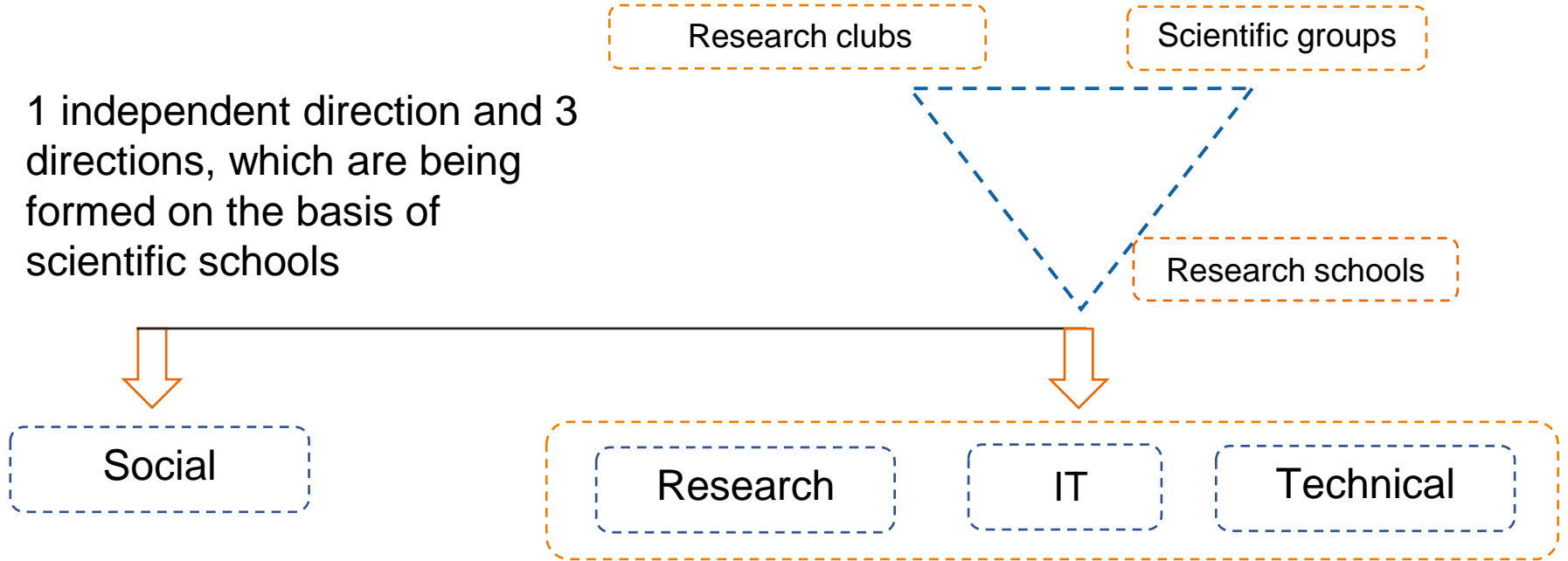
# SIKORSKY CHALLENGE JUNIOR

Department of Student Affairs



# PROJECTS' RESEARCH DIRECTIONS

1 independent direction and 3 directions, which are being formed on the basis of scientific schools



# Innovations in educational process

Education program  
Innovations management

Academic discipline  
“Intellectual property and  
patent science”

All-Ukrainian competition of  
students research papers

Section ‘startup project  
creation’ in master thesis



# KPI DIH – Centre 4.0

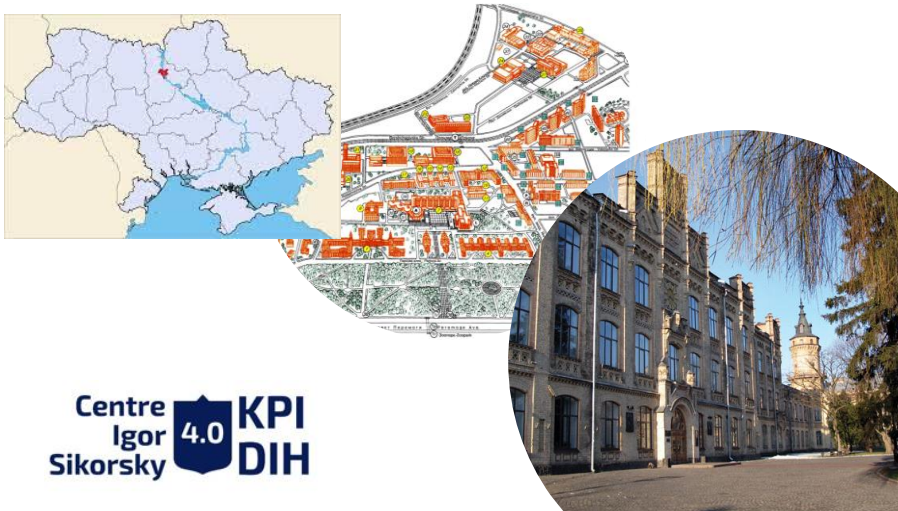
Location: Kyiv, the capital city of Ukraine

Date of est.: 2021 as a DIH,

*but for years worked as a  
department of Igor Sikorsky KPI.*

Staff: 5 people employed and over 10 situational  
personnel

DIH mostly supports actors in manufacturing and  
industrial applications



Centre  
Igor Sikorsky  
4.0 KPI  
DIH

## DIH is a part of the University

24 educational departments

13 science departments

200+ scientific groups

38 educational and scientific laboratories

### Partners

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National Technical University of Ukraine “Igor  
Sikorsky Kyiv Polytechnic Institute” - R&D, testbeds,  
networking

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Association of Industrial Automation of Ukraine  
(AIAU) - Engagement of SME, community  
management, product marketing, communication

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Innovation Holding Sikorsky Challenge -  
Commercialization of innovation projects,  
Acceleration projects

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AIAU: EAM cluster (Engineering - Automation -  
Machinery) - Networking, potential customers

# ON THE WAY TO DEVELOPING RESEARCH INFRASTRUCTURE OF IGOR SIKORSKY KPI

## VISION

Comfortable and user-friendly in a general sense, equipped with the advanced technological devices, where creative research and engineering community creates world-class innovative products.





THANK YOU FOR YOUR  
ATTENTION!