



National Technical University of Ukraine  
"Igor Sikorsky Kyiv Polytechnic Institute"

# Igor Sikorsky Kyiv Polytechnic Institute: Leading the Way into the Future with Educational Innovations

**Olena AKIMOVA**  
Dean of Sociology and Law Faculty

"Studenci Zagraniczni w Polsce 2025" | January 30-31, 2025, Gdańsk





# IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE (KPI)

Kyiv, Ukraine

Founded in 1898

**21 500+**  
students

**17 500+**

undergraduate students

**4 000+**

post-graduate students

**500+**

PhD students

## Focus Areas

Engineering, technology, innovation, and research

## Mission

To foster advancements in technology and science  
with a commitment to sustainable development

**24**

faculties  
and institutes

**49**

specialties

**382**

educational programs

139 bachelor programs

195 master programs

48 PhD programs

**260+**

professors

**550+**

senior lecturers

**67**

scientific schools

**890+**

associate professors

**2 780+**

lecturers

**272**

scientific teams

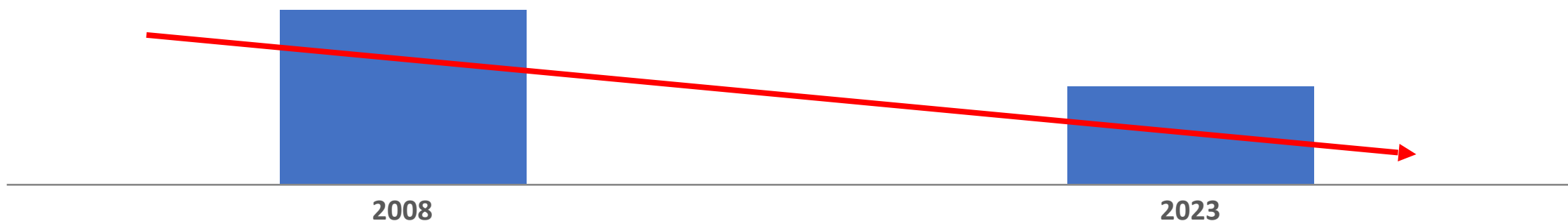
Igor Sikorsky Kyiv Polytechnic Institute  
is one of the oldest and largest universities in Ukraine



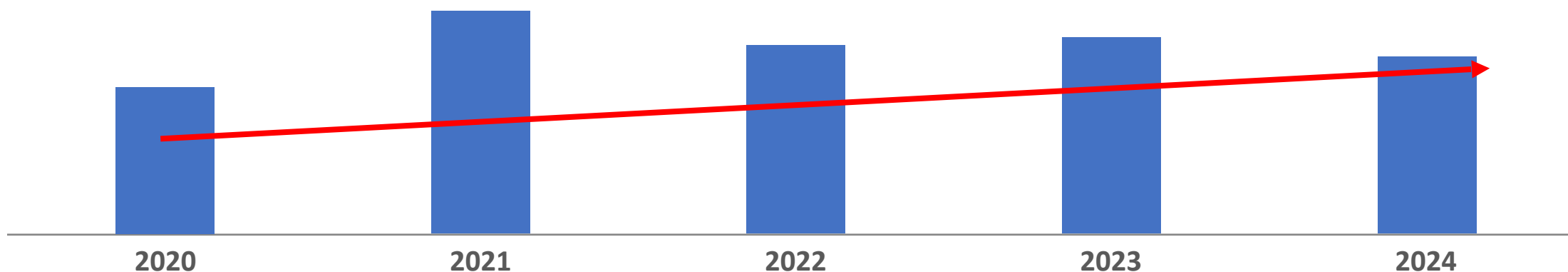


# KPI FACING DEMOGRAPHIC CHALLENGES

Dynamics of the number of school graduates in Ukraine



Number of first-year students enrolled at Igor Sikorsky Kyiv Polytechnic Institute

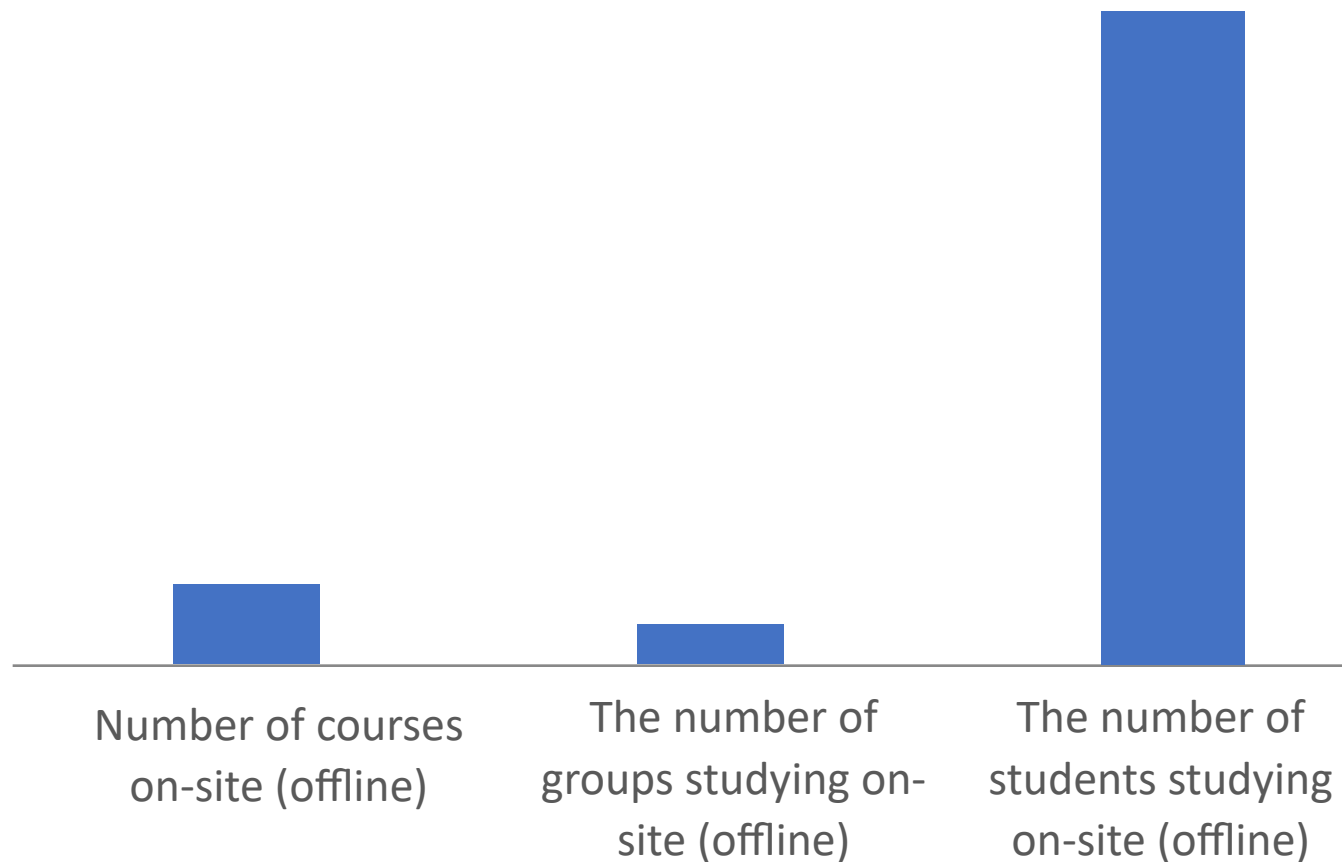




# FEATURES OF KPI'S OPERATION IN HYBRID MODE

Total number of full-time students - **17872**

February 2025





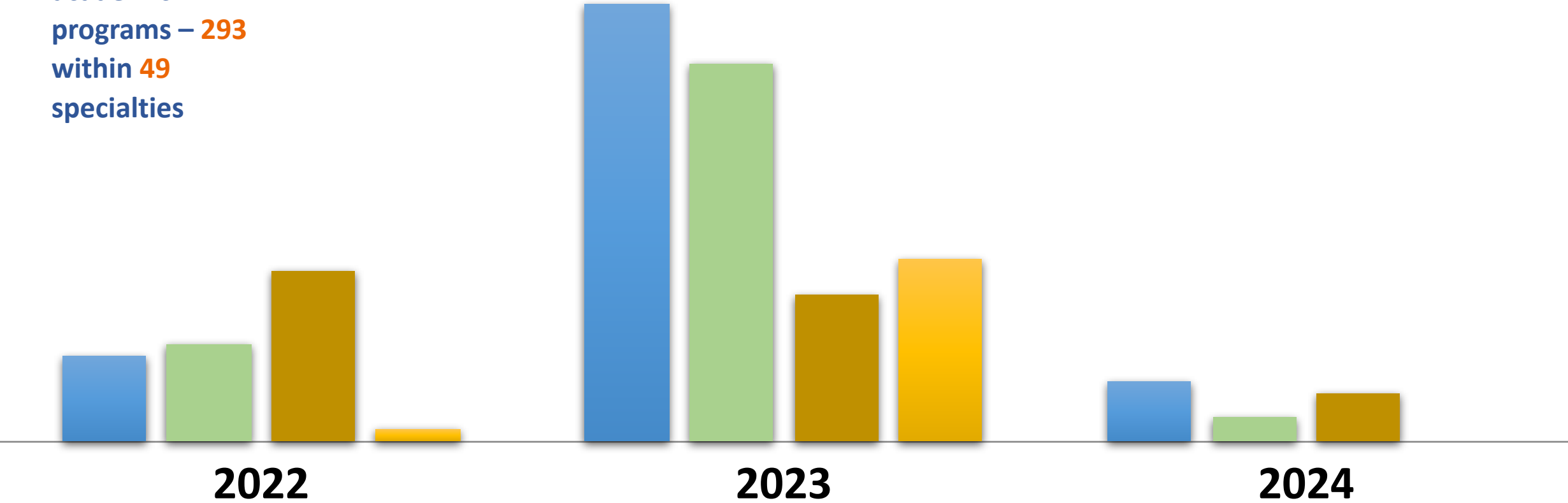


# NUMBER OF NEWLY IMPLEMENTED EDUCATIONAL PROGRAMS

2022-2024

Total number of  
academic  
programs – 293  
within 49  
specialties

- Bachelor
- Master's
- Master of Science
- PhD





# EDUCATIONAL INNOVATIONS IN RESPONSE TO THE CHALLENGES OF WAR

## NEWLY LAUNCHED ACADEMIC PROGRAMMES:

Specialty	Name of the Academic Programme
<i>First (bachelor's) level of higher education</i>	
172 Electronic communications and radio engineering	Electronic <b>warfare technologies</b>
183 Environmental protection technologies	Environmental protection technologies and <b>humanitarian demining</b>
134 Aviation and space technology	<b>Unmanned</b> and <b>Autonomous</b> Systems Engineering
<i>Second (master's) level of higher education</i>	
184 Environmental protection technologies	Eco-efficient post-war restoration of <b>contaminated areas</b>
163 Biomedical Engineering	Biosafety and Biosecurity Engineering





# SOCIAL INNOVATIONS FOR UNDERGOING WAR AFTERSHOCKS

**War psychology**  
upskilling trainings

**Adaptive Trainer-Instructor**  
upskilling trainings



Інклюзивний  
лекторій #1

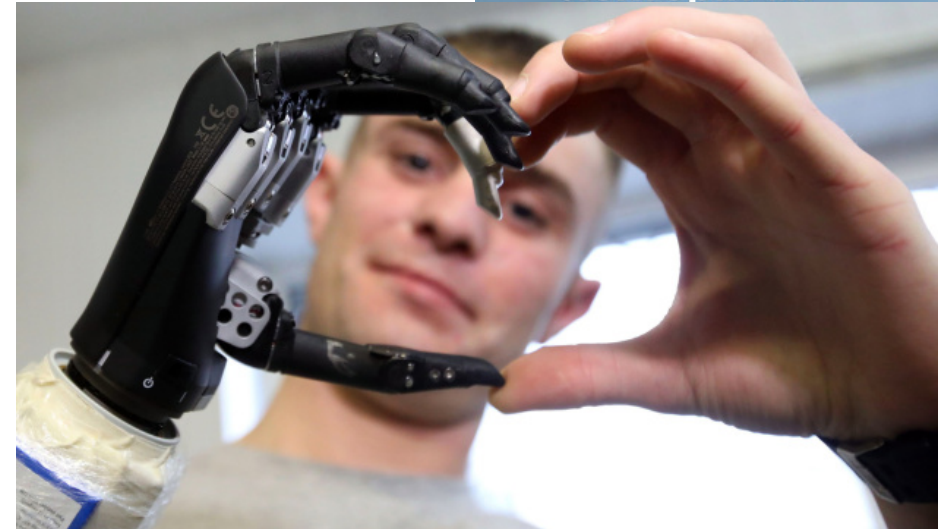


## Inclusive Lectorium

A space for experts, students, and teachers to discuss social challenges and help those affected by war.

## Legal Clinic for Veterans

- The **KPI Legal Clinic** provides free consultations for students, teachers, people with special needs, and war veterans.



## Veteran Development Center

Provides services for veterans, their families, and students who are children of war veterans, including:

- Psychological and social support.
- Physical rehabilitation.





# INTERNATIONAL RESEARCH PROJECTS

## “Incubating Freedom for Ukraine – building IT competence among Ukrainian war refugees residing in EU countries”

The project is successfully establishing educational pathways for Ukrainian refugees, equipping them with essential IT skills for integration into the European labor market.

2023–2025, Erasmus

Launched and delivered pilot courses, including:

- Social Media Marketing
- Java Core Programming
- Python for Data Analysis
- Digital Business Finance



in 2024 KPI hosted the International Scientific-Practical Conference “**DRIVING ECONOMIC RECOVERY: Scaling Digital Education Experiences in Higher Education Institutions**” (September 19-20, 2024, KPI).



Project website: [ifu.kpi.ua](http://ifu.kpi.ua)





# DRIVING ECONOMIC RECOVERY: SCALING DIGITAL EDUCATION EXPERIENCES IN HIGHER EDUCATION INSTITUTIONS



- **Participants:** Over 100 attendees, including representatives from government institutions, international organizations, and academia.

## Key Participants:

- **Government Authorities:**
  - National Agency of Ukraine for Civil Service
  - Ukrainian Parliament Members
  - Ministry of Digital Transformation of Ukraine
  - Ministry of Education and Science of Ukraine
- **International Organizations:**

UN Women Ukraine  
Erasmus+ Program coordinators



Perspektywy





# INTERNATIONAL COOPERATION

200+

International agreements

60+

Joint International Centers and Laboratories

Igor Sikorsky Kyiv Polytechnic Institute **cooperates with leading corporations and firms** such as Boeing, Haas, Motorola, Siemens, Festo, Samsung, Intel, Ajax etc.

170+

International partners



[More information on the International Cooperation Department website](#)

140+

International projects

10

HORIZON 2020 projects

100+

Academic mobility agreements





# ENFORCING HORIZON TEAMS

## AI-driven solutions: interdisciplinary research

### From Satellites and Drones to Democratic AI and Personalized Education AI solutions

**KATY** Knowledge At the Tip of Your fingers:  
clinical knowledge for humanity

2021–2024, Horizon 2020

Aimed at advancing clinical AI for personalized medicine, bridging the gap between AI data and medical application

**MASTERLY**

Nimble Artificial Intelligence driven robotic solutions for efficient and self determined handling and assembly operations

2023–2026, Horizon Europe

Aimed to develop flexible robotic solutions based on modular grippers and state of the art robotic technologies enhanced with AI driven advanced control and perception capabilities

**PANORAIMA**

2024–2028, Horizon Digital

Pan-European Network for Responsible Artificial Intelligence Multisector Masters' Program





**Dream.Do.KPI**

o.akimova@kpi.ua

**Be brave like  
Ukraine**



**Official  
website**  
kpi.ua



**International  
collaboration  
department**  
icd.kpi.ua

