

Invest in  
Ukraine Tech

# DeepTech and AI Ecosystem in Ukraine

## *Teaser*

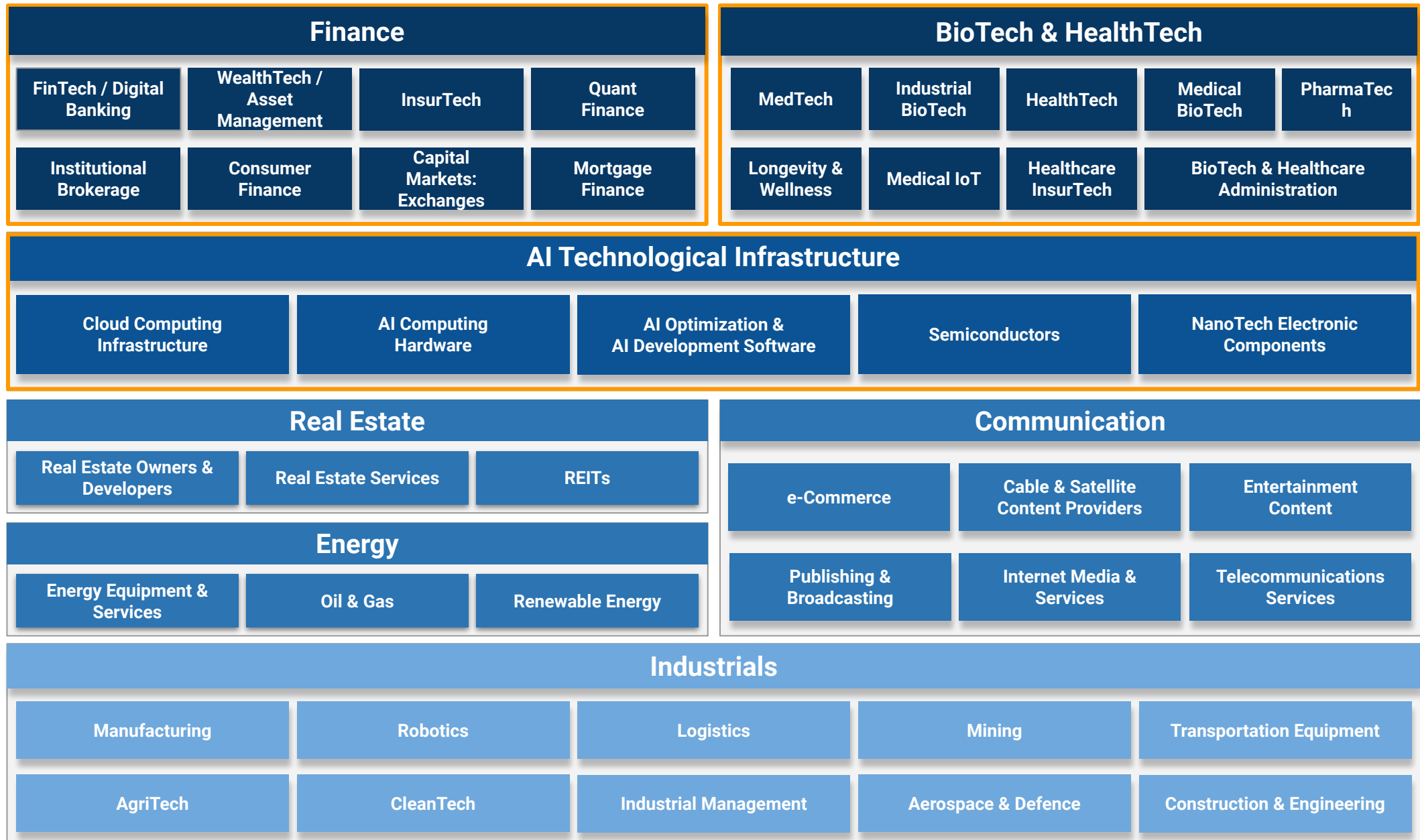
Q3 2023

[www.invest-in-ukraine.tech](http://www.invest-in-ukraine.tech)

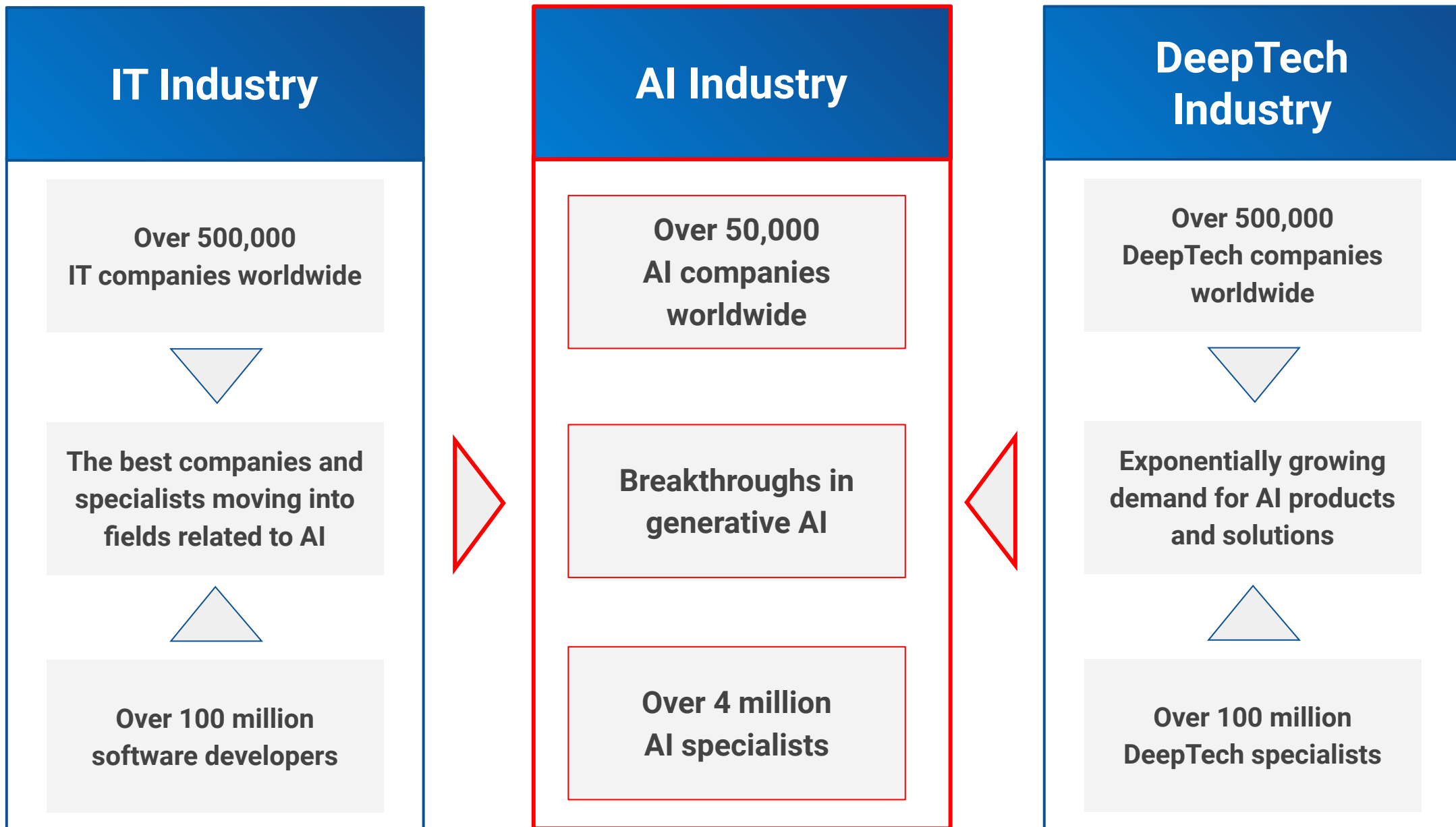
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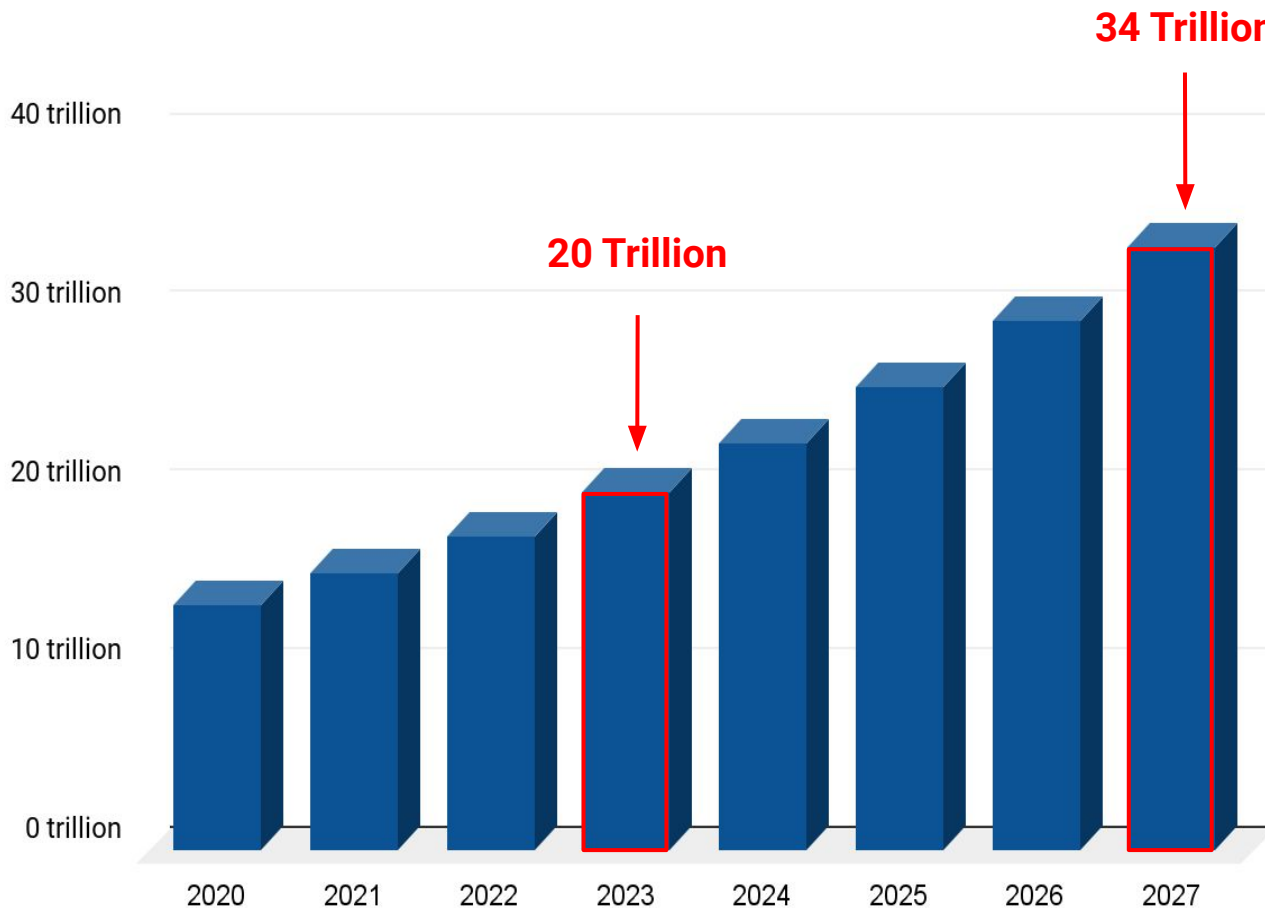
# AI Industry Framework



# Fusion of IT and DeepTech Industries with AI Industry



# Global AI Economy Size Projections (USD)



Note: Global AI Economy Size - estimated total value of global AI assets.

**\$20 Trillion AI Economy Size**

**50,000 AI Companies**

**5 Million Specialists**

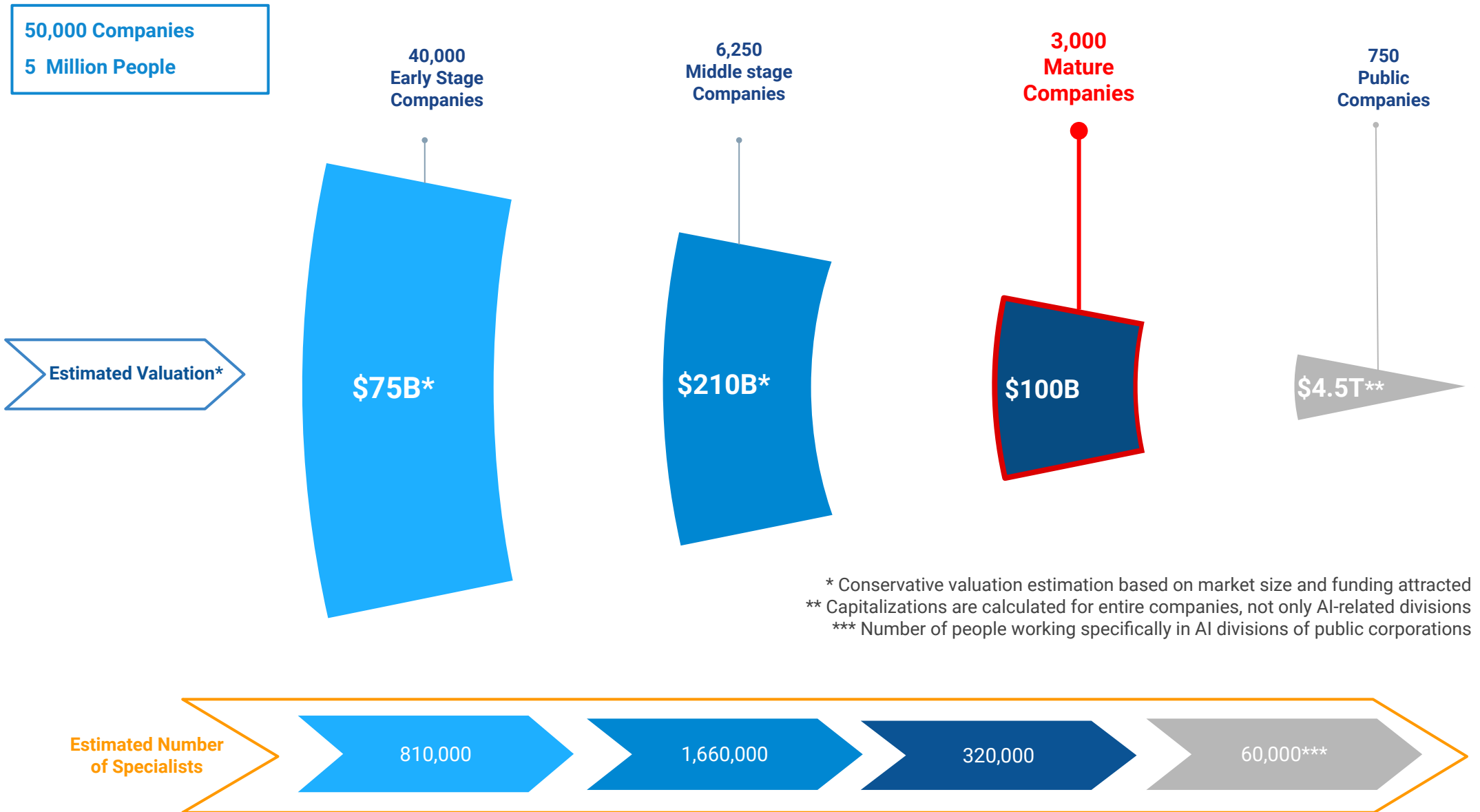
**AI Industry Analytics** defines the AI Economy as an ecosystem of entities whose activities are related to utilizing, developing or supplying AI technologies.

- **Publicly Traded AI corporations:**  
USD 16T / 1000 Corporations / 2M Specialists
- **Private AI companies:**  
USD 2.4T / 50,000 Companies / 2.7M Specialists
- **Government-funded projects:**  
USD 1.6T / 0.3M Specialists

Three key industries of the global AI economy are: BioTech & HealthTech, Finance, and AI Technological Infrastructure

By 2027, the global AI Economy size is projected to reach **USD 34 trillion**.





# AI Industry – Significant Business Opportunity and Market Capacity



# AI Economy Size Preliminary Assessment by Country

The **AI economy** has experienced remarkable growth in recent years, revolutionizing various sectors and transforming the way we live and work. Assessing the size of the AI economy on a country-by-country basis provides valuable insights into the global AI landscape. While this report does not focus on ranking, it serves as an illustrative snapshot of the AI market, showcasing the AI economy size preliminary assessment by country.

## By AI Economy Size, 2023

 US	USD 10 T
 UK	USD 1.7 T
 CANADA	USD 900 B
 SWITZERLAND	USD 650 B
 CHINA	USD 450 B
 GERMANY	USD 400 B
 FRANCE	USD 300 B
 ISRAEL	USD 170 B

## By Government Spending on AI

 US	USD 800 B
 UK	USD 140 B
 CANADA	USD 100 B
 CHINA	USD 66 B
 GERMANY	USD 60 B
 FRANCE	USD 55 B
 SWITZERLAND	USD 50 B
 ISRAEL	USD 40 B

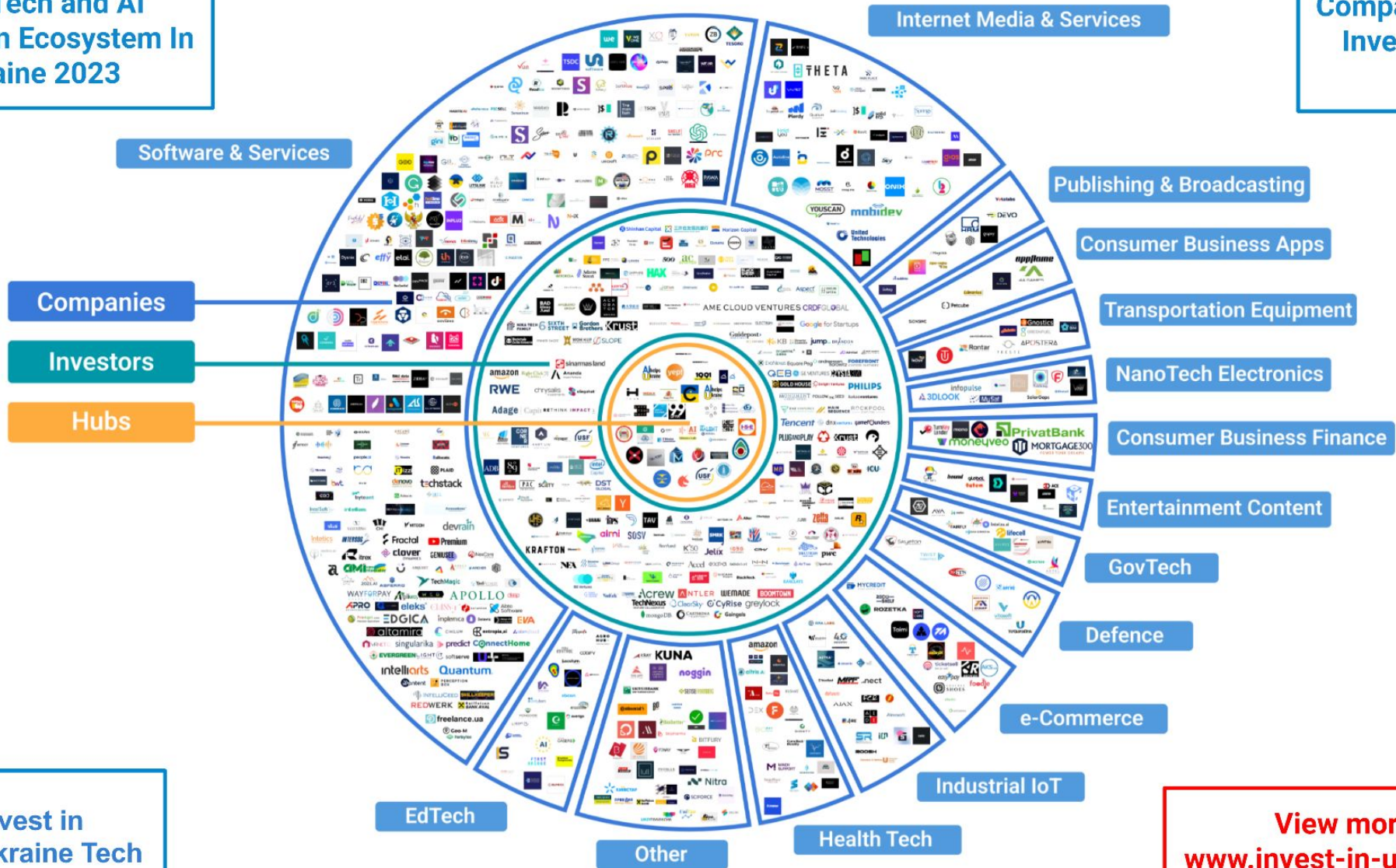
## By Number of AI Specialists

 US	2,600,000
 SWITZERLAND	780,000
 CANADA	550,000
 UK	450,000
 CHINA	350,000
 GERMANY	120,000
 FRANCE	100,000
 ISRAEL	25,000

# Invest in Ukraine Mindmap

DeepTech and AI  
Innovation Ecosystem In  
Ukraine 2023

Companies – 560  
Investors – 260  
Hubs – 40



View more at:  
[www.invest-in-ukraine.tech](http://www.invest-in-ukraine.tech)

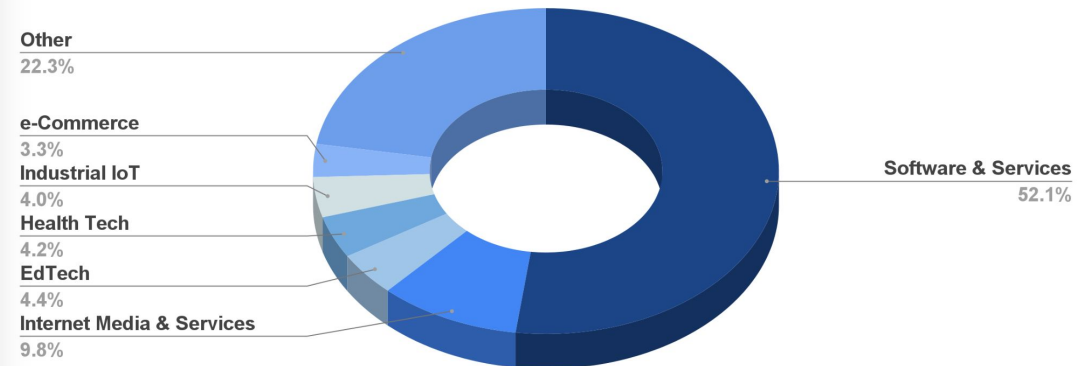


# Distribution of Industries on the Market of 560 AI Companies

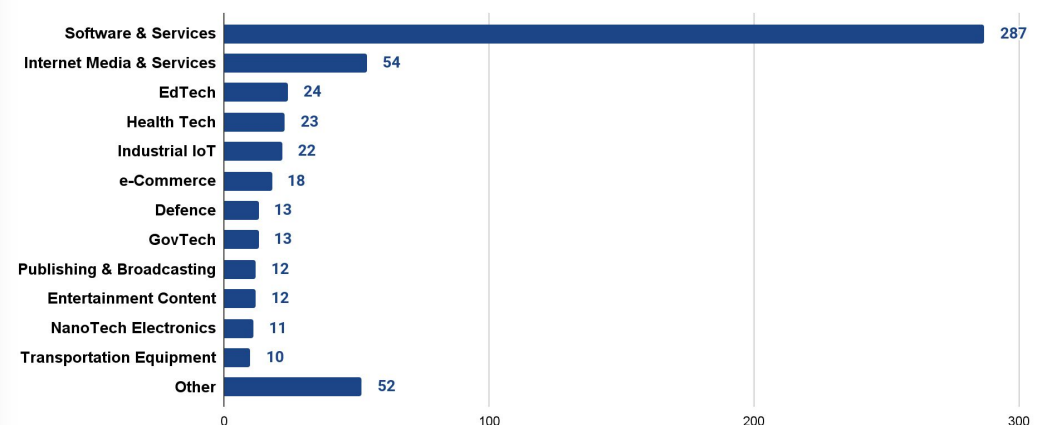
Industry market share shows the percentage of a certain industry among all industries in which AI-related companies operate. Thus, the more companies operate in a particular industry, the greater the share of this industry in the overall market is. Since companies may implement AI technology in an almost infinite number of cases, they participate not in a single industry solely but several at a time.

According to the graph, more than half of all companies (52%) are engaged in **Software & Services**, some for internal usage, and some sell their software as a service. It is followed by **Internet Media & Services** with the share of about 10%. Nearly **one-fifth** of companies work in **EdTech**, **HealthTech**, **Industrial IoT**, **E-Commerce**, **GovTech**, and **Defence**.

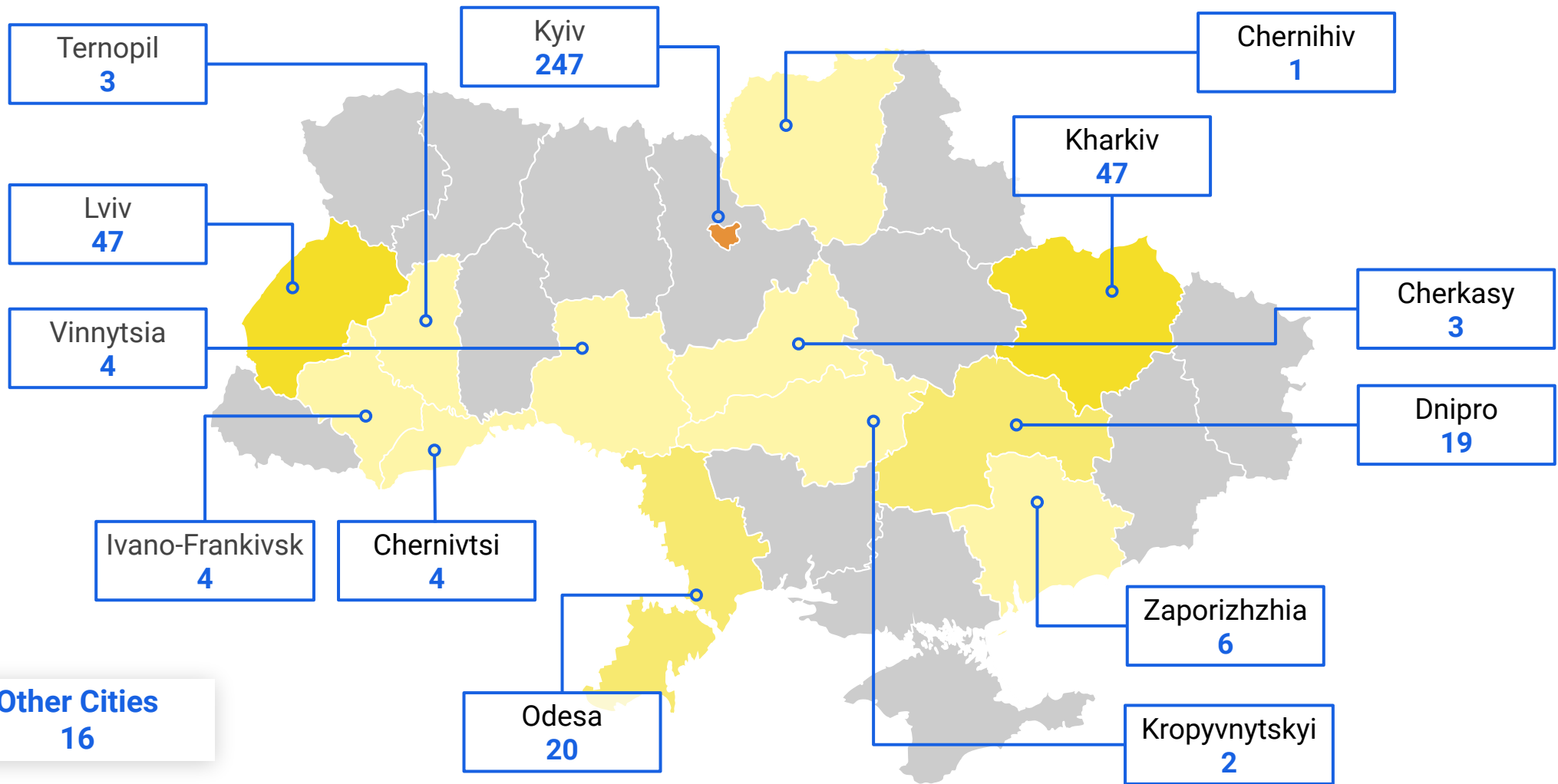
## Industry Market Share in Q3 2023



## Industry Vectors Among 560 Companies in Q3 2023



# Distribution of DeepTech Companies in Ukraine in Q3 2023



Most Ukrainian companies are located or registered in **Kyiv**. Also, a large number of companies are registered in large Ukrainian cities, such as **Kharkiv, Lviv, Odesa**, and **Dnipro**. Also, it can be noted the growth in the number of companies in cities such as **Zaporizhzhia, Ivano-Frankivsk, Chernivtsi** and **Vinnytsia**.

# Solutions

## Collaborative Platform

Invest in Ukraine Tech aims to find incentives to further development of AI and DeepTech in Ukraine. To this end, the specialized collaborative platform will allow to contribute to building the network of tech entrepreneurs

### Investors-to-companies smart matching

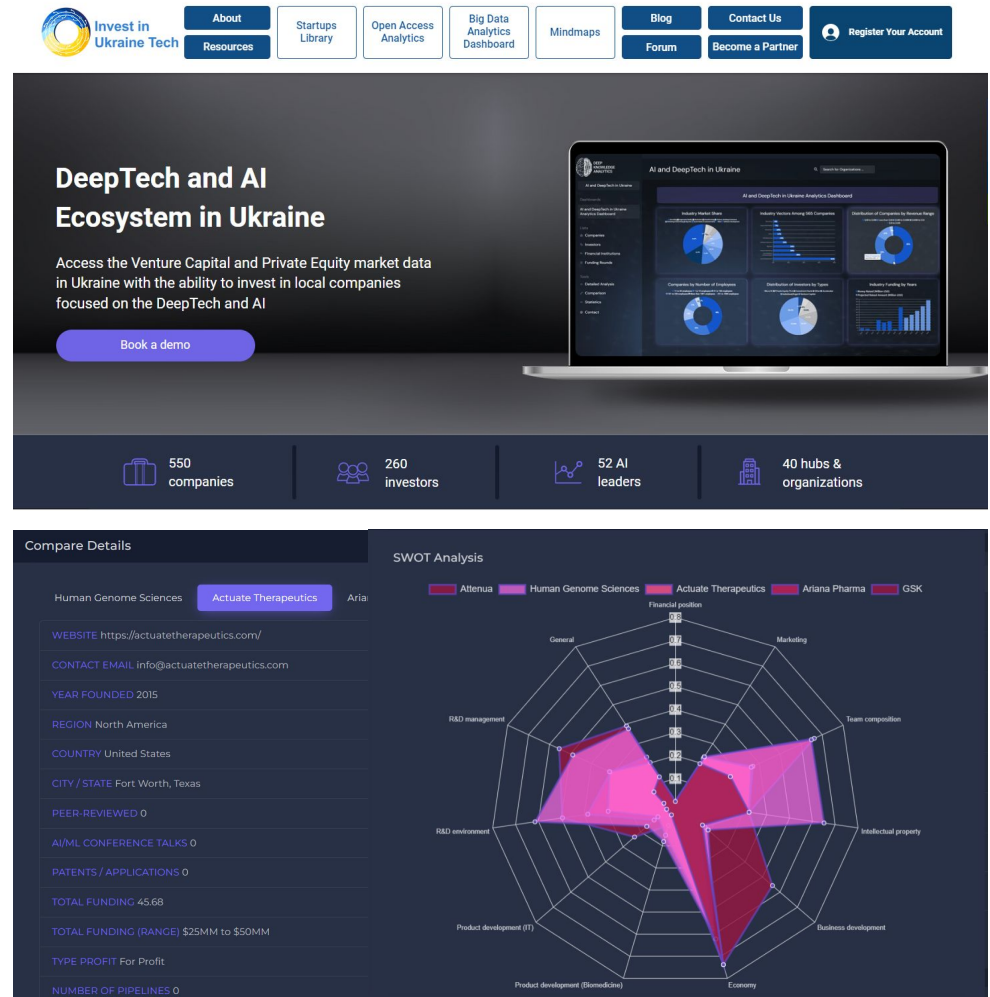
The analytical dashboard will ease the cooperation between companies and DeepTech investors. The algorithms embedded into the platform will provide the recommendations for both types of users on the mutually beneficial partnerships.

### Company-to-company smart matching

The tool is aimed to trace the interdependencies between companies and provide opportunities to back each other based on their industry fields.

### SWOT analysis

The tool will allow investors to receive quantifiable assessment of the companies and make a profound and specialized market intelligence.



# Solutions

## Advanced Market Intelligence

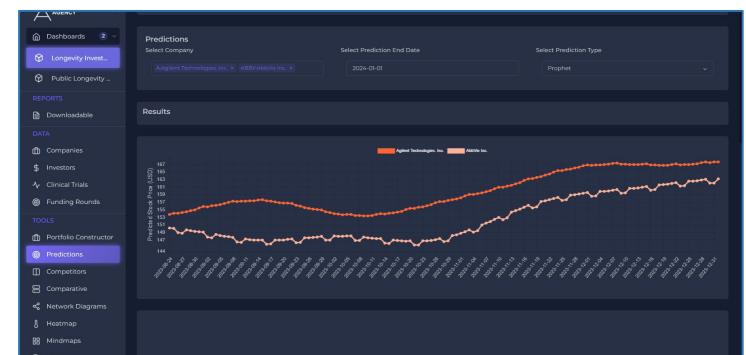
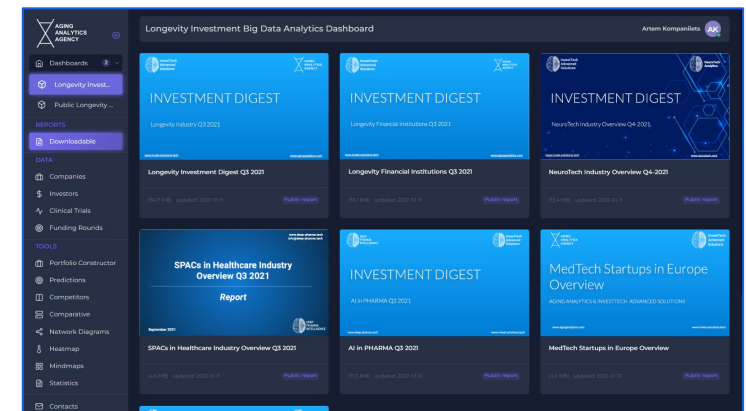
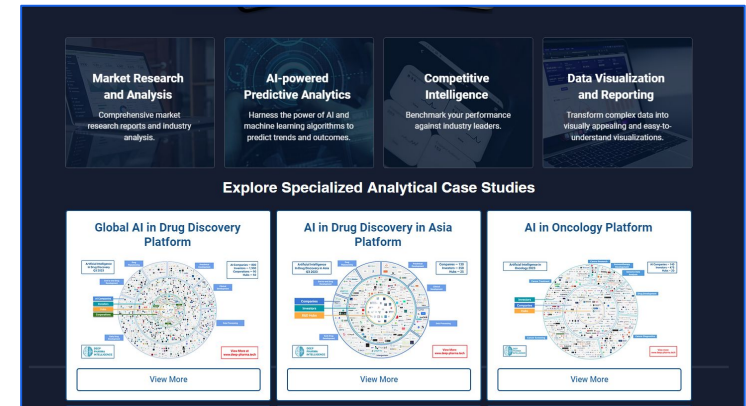
At Advanced Market Intelligence, we are passionate about revolutionizing the way businesses harness the power of AI. Our mission is to provide cutting-edge market intelligence solutions that empower decision-makers to make informed and strategic choices.

## Proprietary Analytics

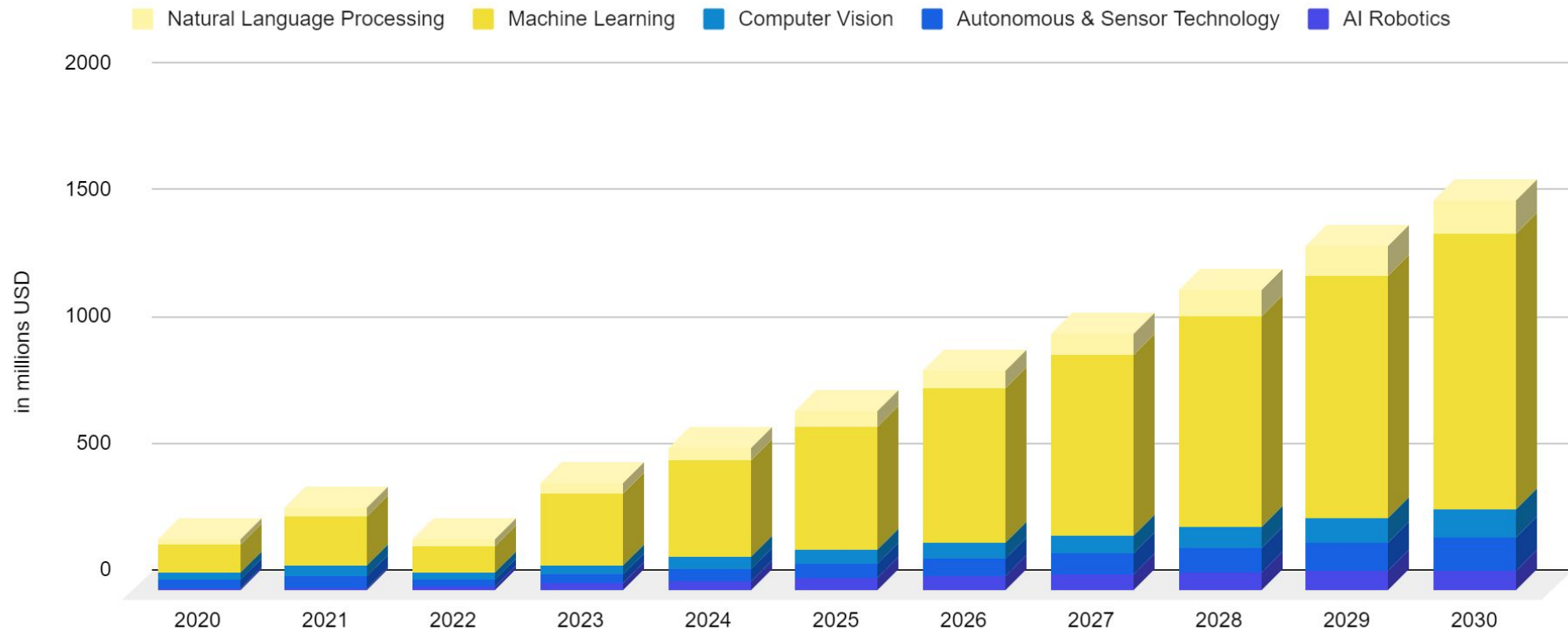
Our team of AI analytics experts and Data Science specialists use state-of-the-art technology and advanced analytics techniques to provide insights specific to your business needs. We provide Comprehensive due diligence, SWOT analysis, Industry profiling as well as monitoring of technology development status

## Forecasting and Predictions

With this tool you can leverage AI combined with human intelligence to predict stock prices. Predictions allow you to build forecasts on equity prices based on different approaches and compare them in real-time.

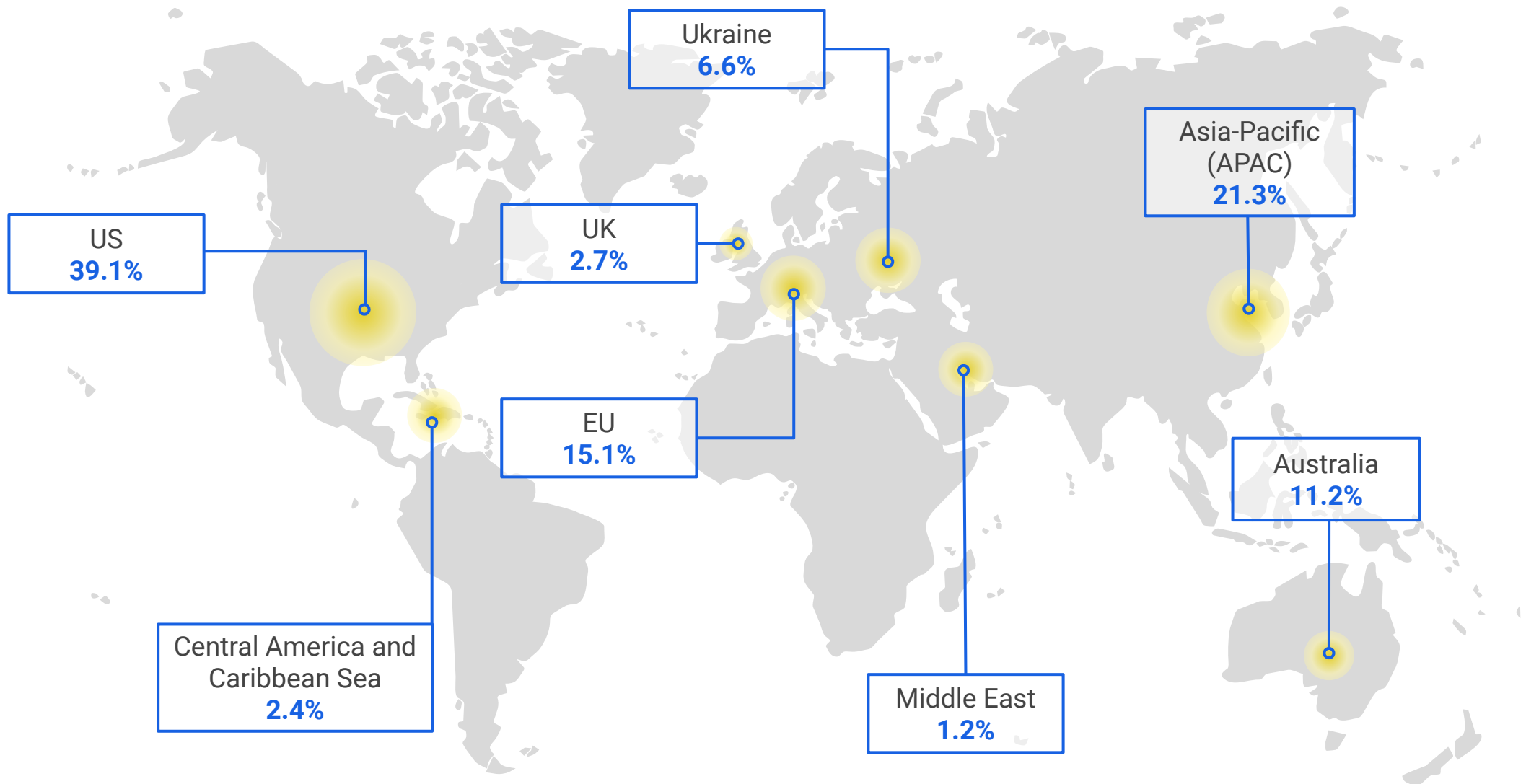


## Value in the Artificial Intelligence Market



**In 2023, the value of the artificial intelligence market in Ukraine is expected to reach USD 422.50 million. The annual value growth rate (CAGR 2023-2030) is expected to be 20.35%, leading to a market size of USD 1,545.00 million by 2030,** which is due to increased adoption of artificial intelligence technologies in industries, improvement of artificial intelligence algorithms and infrastructure, and increased investment in artificial intelligence research and development.

# Distribution of 260 Investors in Q3 2023

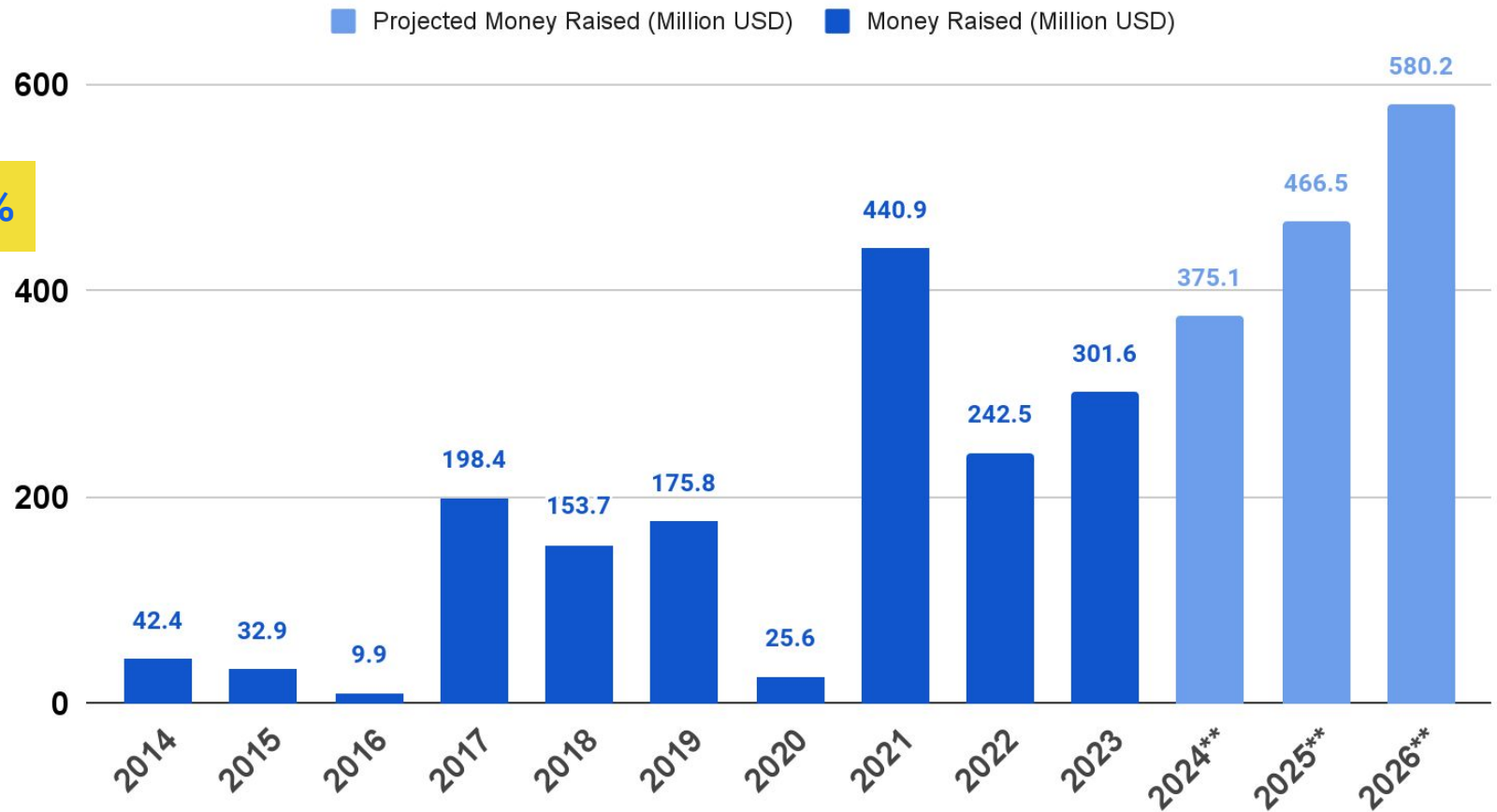


The **United States** takes the lead in the number of investors in AI/ML companies in Ukraine accounting for 39.1% of all investors. Such distribution occurs because the United States is among the top markets where Ukrainian AI companies operate. **Ukrainian** investors take only the 5th place accounting for 6.6% of all investors.

# Industry Funding by Years

**CAGR 2014-2023 = 24%**

\* Forecast taking into account the prediction of the World Bank about the possible fall of the Ukrainian GDP by 45% in 2022 due to the war  
\*\* CAGR-based forecast



Investments in Ukrainian innovative companies increased significantly over the last 10 years from **\$42.4 million in 2014 to \$301.6 million in 2023**, which shows the incredible growth of the Ukrainian economy and the attractiveness of Ukrainian companies to domestic and foreign investors. It is worth noting the sharp decline in investment in 2020 in connection with COVID-19, and in 2022 (**\$1.1 million in Q1 2022**) due to the invasion and war of Russia against Ukraine.

# 40 Tech Hubs in Ukraine



Data Science UA



Kharkiv AI Community



Kyiv AI Club



Ukrainian AI Community



Institute for Single Crystals



Science Park, KPI



Ukrainian Startup Fund



UNIT.City



LvivTech.City



UNIT.City Kharkiv



Promprylad.Renovation



E.O. Paton Electric Welding Institute



Science Park, KNU



AI House



ITalent



AI Helps Ukraine



n.cubator



Ukrainian Hub



Unicorn Nest



Innovation Center KAU



iHUB



Lift99



IT Ukraine Association



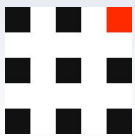
Ukrainian Berries Association



Startup Constructor



ideasLab by CfE



Sector X



YEP! STARTER



AI Ukraine



INDAX



Lviv IT Cluster



Radar Tech



Challenger Accelerator



Happy Farm



IoT Hub Accelerator



1991 Accelerator



eō Business Incubators



ISE Corporate Accelerator



Center for Innovations Development



Scythia Ventures Accelerator



# Top Hubs Profiling: Ukrainian Startup Fund



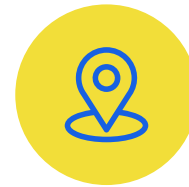
## Ukrainian Startup Fund

The Ukrainian Startup Fund (USF) is a state fund launched on the initiative of Cabinet of Ministers of Ukraine. The mission of the fund is to promote the creation and development of technological startups in the early stages (pre-seed and seed), in order to increase their global competitiveness. The process of selecting startups for grants takes place on a competitive basis.

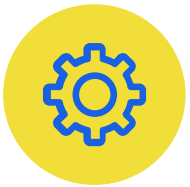
USF is expressly mandated to provide funding for early-stage startups. It has launched a pre-seed and seed-stage grant program, with awards of \$25,000 and \$50,000 for qualified businesses. USF plans to continue to grow this program as an important source of capital for early-stage businesses.



**Launched:**  
2018



**Location:**  
Kyiv



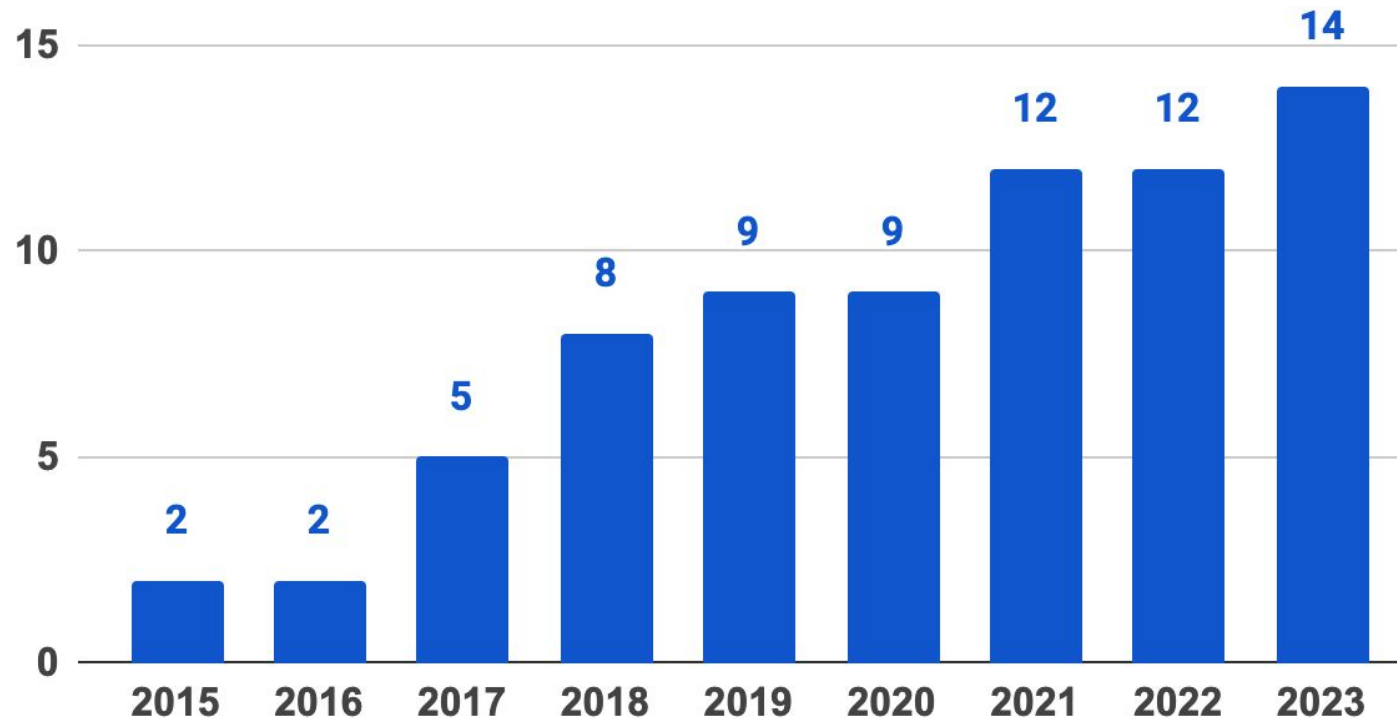
**Type:**  
Accelerator



**Ownership:**  
State

# AI- & ML-related Conferences in Ukraine

Amount of AI Conferences in Ukraine 2014-2023



Due to the dynamics of the graph, it can be concluded that the amount of AI conferences in Ukraine has been growing steadily since 2014. This indicates the popularization of this topic in Ukraine and the increase of companies that use AI technology in their activities. Most conferences in recent years have been held online due to the COVID-19 pandemic, but are transitioning back to in-person formats, even in spite of the war.

# Key Takeaways 1/2

## Software & Services Segment Leads the Market



The **Software & Services segment** takes the biggest market share – **52%** of companies. It is followed by **Internet Media & Services** with the share of about **10%**. Nearly **one-fifth** of companies work in **EdTech, HealthTech, Industrial IoT, E-Commerce, GovTech, and Defence**.

## Partially Diminished Investment Potential



The US takes the lead in the number of investors in AI companies in Ukraine accounting for almost **40%** of all investors. **Two-thirds** of companies have **seed** funding status whereas **VC firms and angel investors** make up **half of all investors** of Ukrainian AI companies. Investments in Ukrainian AI increased significantly over the last 7 years from **\$42 million in 2014 to \$301.6 million in 2023** with a **CAGR of 40%**. **Unfortunately**, due to the russian invasion of Ukraine **Q1 2022** brought only **\$1 million** and the **adjusted CAGR hit 24%**.

## Due to the War, 41% of Ukrainian Startups Lack Money but 72% Will Try Continue to Operate



Since the war started, **71%** of startups **haven't relocated** abroad, **39%** claim that they **will run out of money shortly** and **28%** decided to **stop the operational activity**. Obviously, the dynamics of the startup market in Ukraine roughly reflects the situation with Ukrainian AI companies.

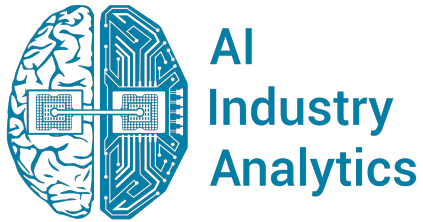
# 560 Companies 1/6

- 12Climb
- 20 Thousand Leagues
- 2021.AI
- 3D-Ace Studio
- 3DLOOK
- 42flows.tech
- 482.solutions
- 4HIRES
- 4IRE labs
- 4a Games
- 4comfortshoes
- 8allocate
- A-Gnostics
- A-listware
- A-team
- ABM Cloud
- ABRIS Design Group
- AESTAR
- AIBRO
- AIDI Solar
- AKS.UA
- AR Warriors
- ASMBRAIN
- AYA Software
- Abto Software
- Acrovations
- AdMarket
- Ademrius
- Adexin
- Adimen
- Adoriasoft
- Advertising Management Systems Group
- Advin
- AestheticCam
- Agiliway
- Agro BI by Horos.AI
- AgroHub
- Agrocontrol
- Ajax Systems
- Almexoft
- AltSolution
- Altamira.ai
- Altris.AI
- Am Integrator Group
- Amazinum
- Antagosoft
- Anthill WorldWide
- Apollo
- Apostera
- Appflame
- Appus Studio
- Arbrowser
- Arcane Future
- Archer Software
- Argus Affiliate
- Argus Soft
- Arina Software
- Arkhipova Advisory
- Arquest
- Artkai
- Asferro
- Astraoutsourcing
- Attic Lab
- Autoline
- Avenga
- Avocado AI
- Awesomic
- BIOsens Inc.
- BannerBoo
- Bau-Info
- Beatshapers
- BeforeCode.ai
- BetterMe
- Bicovery
- Big Brain
- Binaryx Exchange
- BioBetter
- Bionity
- Biopharma
- Bitfury Group
- Blitz SD
- Blockchain Association of Ukraine
- Botodata
- BotsBand
- BrainyBot chatGPT AI Companion
- BrandProtection.ai
- Brandays Designworks
- Brocoders
- Bruno Development
- Business Automatics JSC
- ByteAnt
- CCLoan
- CHI Software
- CITVY
- Captain Growth
- Caretech Human
- Casers
- Chatbot.Boutique
- Chatbots.Studio
- Checki

# 258 Investors 1/3

1. 500 Global
2. 5Y Capital
3. 8090 Partners
4. AAF Management Ltd.
5. AC Ventures
6. Accel
7. Acrew Capital
8. Acrobator Ventures | Acrobator.vc
9. Adage Capital Management
10. Adams Street Partners
11. Admitad
12. Advent International
13. AirTree Ventures
14. All Turtles
15. Allen & Buckeridge
16. Almi Invest
17. AlphaCoin Fund
18. Alter Global
19. Amazon
20. AME Cloud Ventures
21. Anacacia Capital
22. Ananda Impact Ventures
23. Andreessen Horowitz
24. Andy Liu
25. Angeleno Group
26. ANRI
27. Antler
28. Aquiline Capital Partners
29. Asian Development Bank
30. Aspect Ventures
31. AU21 Capital
32. Avalon Wealth Club
33. Aventures
34. B Capital Group
35. BADideas.fund
36. Barclays
37. Benchmark
38. Bessemer Venture Partners
39. Binance Labs
40. Black Sheep Capital
41. Blackbird Ventures
42. BlackRock
43. Blackshield Capital Management
44. Blockchain Cuties Universe
45. Bluepoint Partners
46. boldstart ventures
47. Boomtown Accelerators
48. Brandon Capital Partners
49. Carthona Capital
50. Celo Camp
51. Chinaccelerator
52. Chrysalis Investments
53. Cicada Innovations
54. ClearSky
55. Climate Innovation Vouchers
56. COCOCapital
57. Comcast Ventures
58. Comma Capital
59. Concorde Capital
60. Corner Ventures
61. CoVenture
62. CRDF Global
63. CrossWork.us
64. CRV
65. Curious Office Partners
66. CyRise
67. Czysa3.vc
68. Daesung Private Equity
69. Debiopharm Innovation Fund
70. Delta Blockchain Fund
71. Dentsu Ventures
72. Digital Currency Group
73. Digitata Capital
74. DNX Ventures
75. Dozen
76. Dreamers VC
77. DST Global
78. DT Capital Partners
79. Dunamu
80. DWS Holdings Inc.
81. EASME - EU Executive Agency for SMEs
82. Effective Investments
83. EFlaA
84. Electron Capital Partners
85. Elemental Excelsator
86. ELEVACAO Foundation
87. Enlight Ventures
88. EquityPitcher Ventures
89. European Bank for Reconstruction and Development
90. Everstake Capital
91. Evodia
92. EvoNexus
93. Expa
94. Export Finance Australia
95. FastVentures
96. Felicis
97. ff Venture Capital
98. Fidelity International Strategic Ventures
99. Finnfund
100. Flyer One Ventures

# About AI Industry Analytics



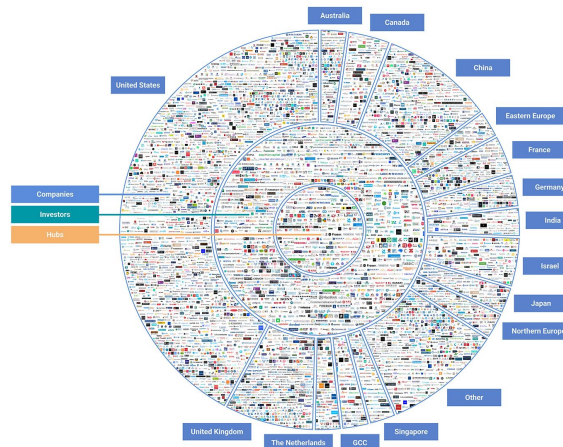
Over less than a month of its operation, **AI Industry Analytics** has released the IT Platform involving three major components relevant to analysis of AI Industry. The IT Platform is set to provide users the valuable information and tools for analysis of the entire Artificial Intelligence Industry.

## IT Platform of AI Industry Analytics

### AI Industry Big Data Analytics Dashboard



### AI Industry Mindmaps



### AI Industry Leaders Database



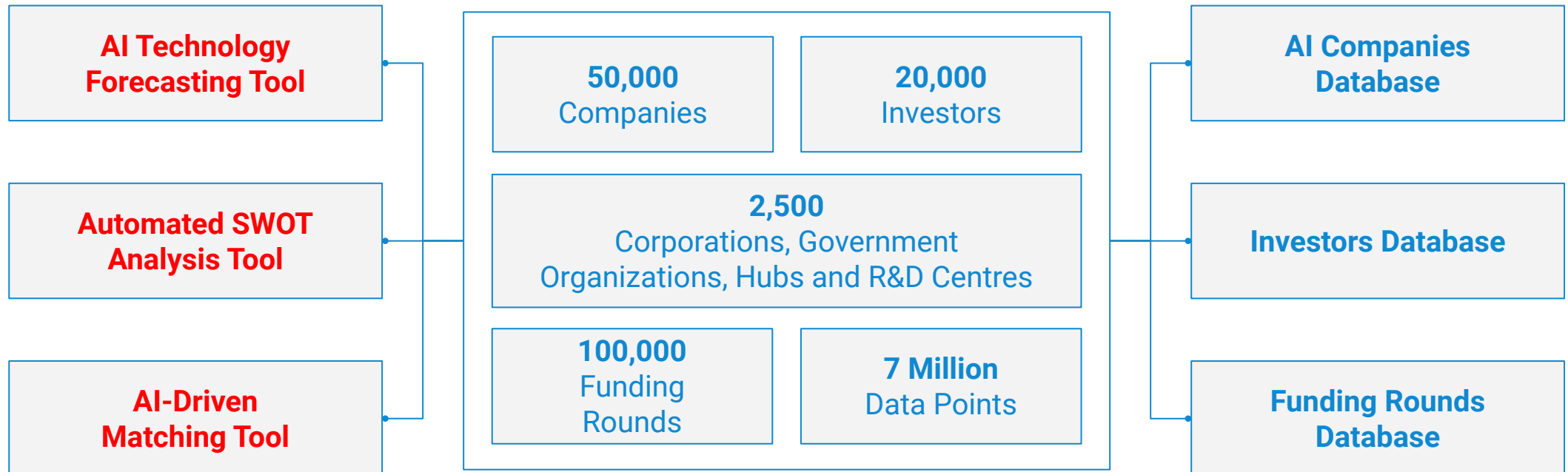
[www.aiia.tech](http://www.aiia.tech)

# AI Industry Big Data Analytics Dashboard

The Artificial Intelligence Industry Big Data Analytics System and Dashboard is the advanced tool allowing to access and analyze vast amount of AI industry data in one place. With advanced algorithms and cutting-edge technology, Dashboard provides a comprehensive view of market intelligence and investments data across AI industry.



## Major Components of AI Industry Big Data Analytics Dashboard



# About Philanthropy.International



**Philanthropy  
International**

Philanthropy.International aims to remove existing barriers in the philanthropy sector and to add value for all stakeholders with its Big Data Analytics System & Dashboard, an innovative system that analyses and benchmarks the global philanthropy, charity, and impact investment industry ecosystem using sophisticated, prevalidated Big Data, Machine Learning, and AI techniques. Its mission is to make the global philanthropy industry more efficient, transparent, accountable, and socially impactful.

## Charity, Philanthropy, and Social Impact Platform 2.0

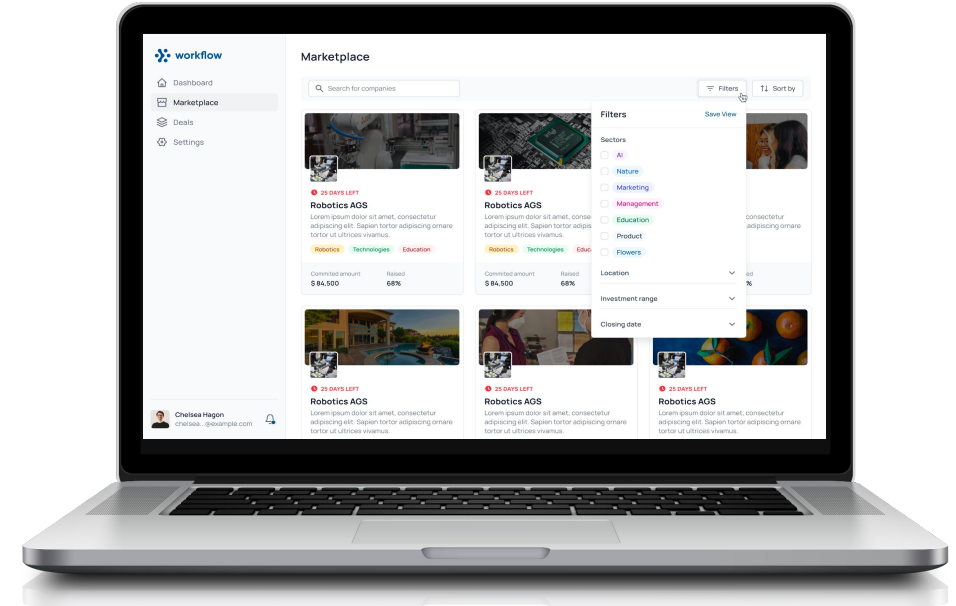
Modern approaches for venture philanthropy

Sophisticated donor-project matching algorithms

Collaborative solutions designed for charity projects

Robust transparency and accountability mechanism

**Charity, Philanthropy, and Social Impact Platform 2.0 provides the full-scope of tools for participation in charity-related projects**



[www.philanthropy.international](http://www.philanthropy.international)



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