MINISTRY OF DIGITAL TECHNOLOGIES OF THE REPUBLIC OF UZBEKISTAN

PRIORITY AREAS FOR THE DEVELOPMENT OF ARTIFICIAL INTELLIGENCE TECHNOLOGIES IN UZBEKISTAN

STRATEGY FOR THE DEVELOPMENT OF ARTIFICIAL INTELLIGENCE

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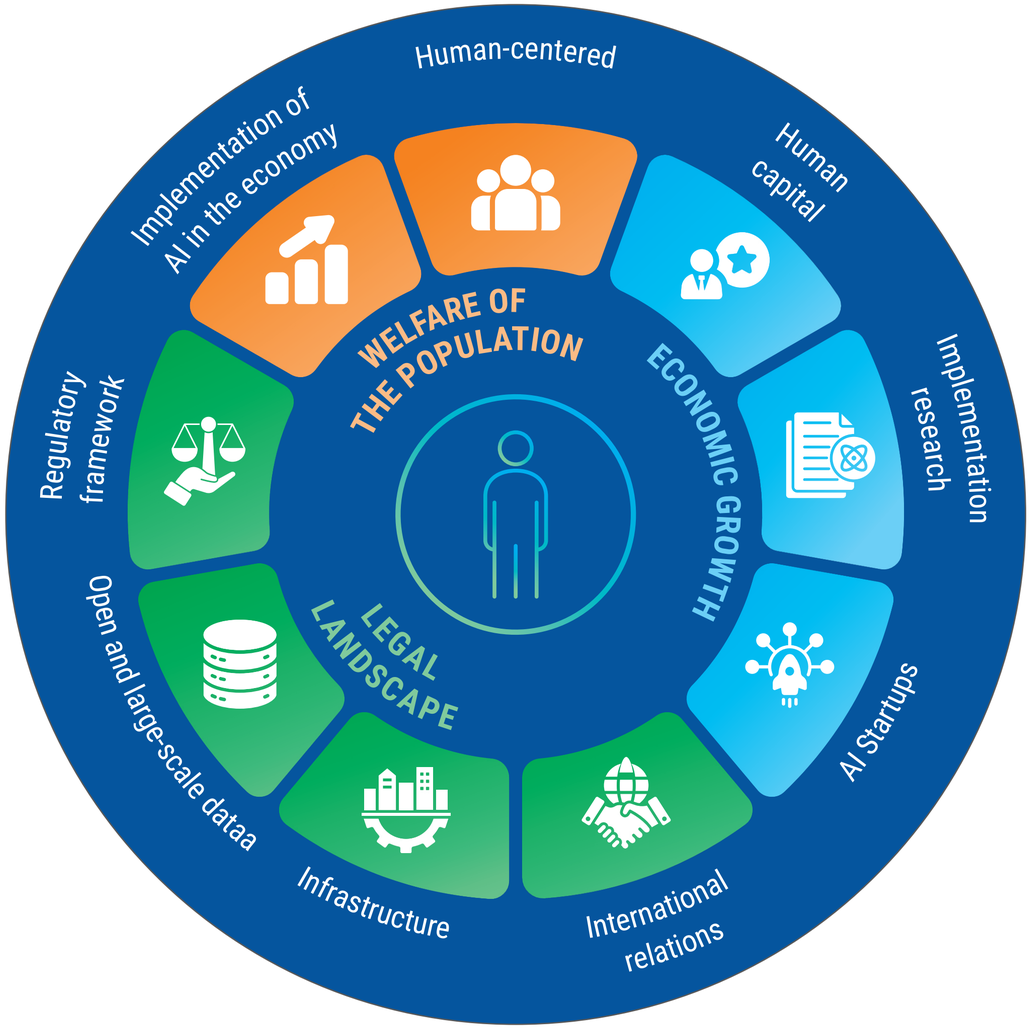
- Finance sector
- Healthcare
- Digital government
- Agriculture and water managment
- Transport sector
- Education



CENTER FOR THE DEVELOPMENT OF ARTIFICIAL INTELLIGENCE AND DIGITAL ECONOMY

- High computing power management
- Formation and management of data base

RESEARCH INSTITUTE FOR THE DEVELOPMENT OF DIGITAL TECHNOLOGIES AND ARTIFICIAL INTELLIGENCE

- Organizing studies in higher education institutions
- Conducting scientific research

DATA POOL

HIGH-EFFICIENCY CLUSTER

PLANNED PROJECTS

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About 100 projects will be implemented

Large language models

- Chatbots for government information systems
- Large Uzbek language model
- Electronic document formation system
- Uzbek-speaking Muxlisa system
- Yandex Alice who communicates in Uzbek

COMPUTER VISION

- Determination of the number of animals at a distance
- "UzFace" system
- Ensuring the safety of scooters
- Waste identification
- Early detection of arbitrary land acquisition and construction activities
- Palm payment system
- Fire and smoke detection system
- Identifying lost items
- Identifying defects on production lines
- HoReCa
- Forecasting agricultural crop yields
- Detection of tobacco consumption in prohibited places
- Determining tree cover

Analysis

- «Stockfish» software for grandmasters
- Forecasting of electricity consumption
- Examination of the conditions of barrier-free movement of the disabled with the help of robots
- Detecting natural gas leaks
- Determination of the condition of power lines

INFRASTRUCTURE AND SKILLS DEVELOPMENT

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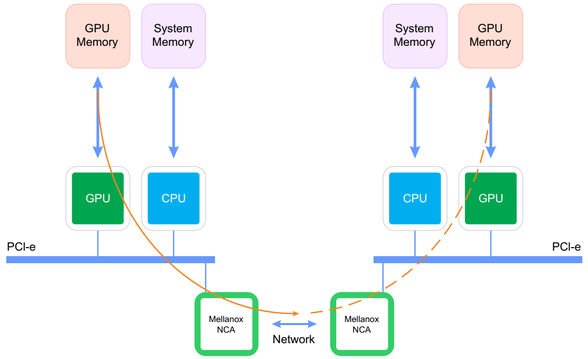
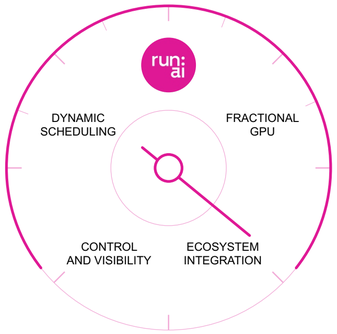
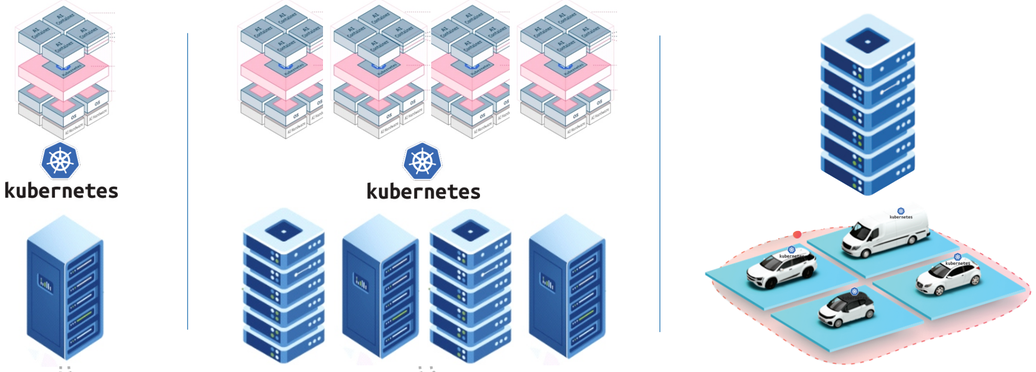
Direct access to memory via InfiniBand networks



Resource utilization through K8s orchestration tools and run: ai software product



Small Cluster | Large Cluster | Resource leasing



Integrated environment for hosting artificial intelligence applications

- Tender announcement January 2025
- Delivery april–may 2025
- Tender announcement July 2025
- Delivery December 2025

International relations

- ICT WEEK - 2025 23-26 September
- Conference in Samarkand 7-8 August 2025
- 15 + sessions software products are being tested
- 30+ sessions
- International ranking 70th place

- Strategy session
- “School 21” 5 300+ students
- “Yandex School of Programming” 1 240 students
- 700+ lessons
- About 60 organizations, 400 + leaders and courses for employees

TARGET INDICATORS

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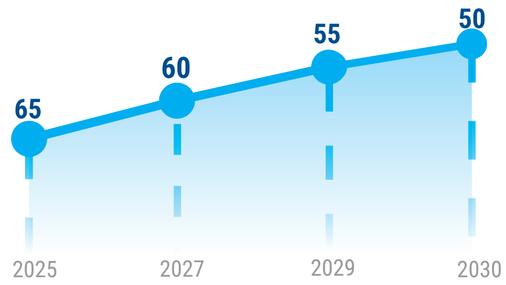
Government AI readiness index - 70th place



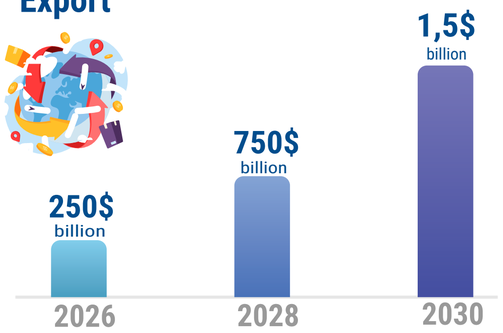
2025 year

Implementation of regulatory mechanisms (65th place)

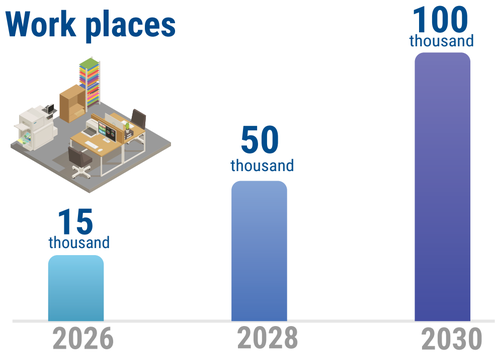
2027 year

Investments in infrastructure and priority strategic directions (60th place)

Export



Work places



PROJECTS

Reducing the shadow economy

Construction

- Labor resources
- Construction materials
- Permits

Taxation and customs

Taxation:
Identifying suspicious transactions and tax evasion schemes

Customs
Implementing AI tools in customs risk analysis, including at borders

HoReCa

- Analysis
- Computer vision
- Employment

Improving production and efficiency

Government agencies

- Enhancing decision-making
- Improving service quality
- Increasing transparency in work

Finance

- Risk management
- Scoring
- Public procurement

Agriculture

- Video analysis
- Forecasting
- Efficiency improvement

Transport infrastructure

- Geospatial analysis
- Efficiency improvement
- Optimization

Healthcare

- Increased diagnostic accuracy
- Longer life expectancy

Legislation

- Enhancing justice efficiency
- Raising awareness on legal matters

INFRASTRUCTURE

- Creation of over 30 data pipelines between data sources and development infrastructure across various sectors
- Training large language models
- More than 3 million users
- Cloud platform providing access to computing resources
- Preparation of verified datasets