



AG TECH

ON A WAVE OF NEW
OPPORTUNITIES

COMPREHENSIVE TURNKEY DIGITALIZATION AND
AUTOMATION SOLUTIONS FOR BUSINESSES

INNOVATION | TRANSPARENCY | EFFICIENCY



www.ag-tech.kz



FOUNDER AND CEO



ALEXANDER PODVALOV



Co-author of the DMMS production management system



PhD in Geography



Master's degree from the Institute of Diplomacy



Chairman of the Board of Directors
JSC "National Center for Professional Development 'Orleu'"



Chairman of the Regional and Sectoral IT Councils of the "Atameken" Chamber of
Entrepreneurs in Astana



Recipient of the departmental award "Үздік Цифрландырушы" from the Ministry of Digital
Development, Innovations and Aerospace Industry of the Republic of Kazakhstan for significant
contribution to the country's digital transformation

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MORE INFORMATION





COMPANY INFORMATION



Founded in 2008, AG TECH is a Kazakhstani company and a qualified provider of industrial automation systems, innovative IT software and hardware solutions, IT infrastructure support services, business analytics and design, and an advanced supplier of radionavigation equipment

KEY AREAS OF ACTIVITY



DMMS SYSTEM

AG TECH's flagship product is the Digital Monitoring and Management System (DMMS) – a powerful tool for control, analytics, and management of industrial production cycles, ensuring productivity and workplace safety



SOFTWARE DEVELOPMENT

Development of software using modern information technologies and advanced tools to improve productivity and grow businesses. Creation and implementation of solutions on open platforms using open-source software



HARDWARE SOLUTIONS

Supply and implementation of advanced IT hardware and software solutions: servers, networking equipment, computers, and peripherals. Cutting-edge solutions for designing and building data centers, as well as establishing infrastructure to ensure their efficient operation



IT INFRASTRUCTURE MANAGEMENT

A full range of services for supporting and maintaining IT systems to improve performance and ensure stable operation of all IT infrastructure components, including setup, monitoring, updates, and maintenance of hardware and software



ANALYTICS AND DESIGN

Comprehensive analytics and design solutions using modern tools and advanced technologies to optimize business processes, visualize data and develop interfaces, design architectural and engineering solutions, and create impactful marketing materials



NAVIGATION SYSTEMS

A wide range of radionavigation equipment and solutions for building air traffic control systems. Full-cycle services include design, supply and installation, testing and trials, technical maintenance, repair, and equipment upgrades



COMPANY OFFICE

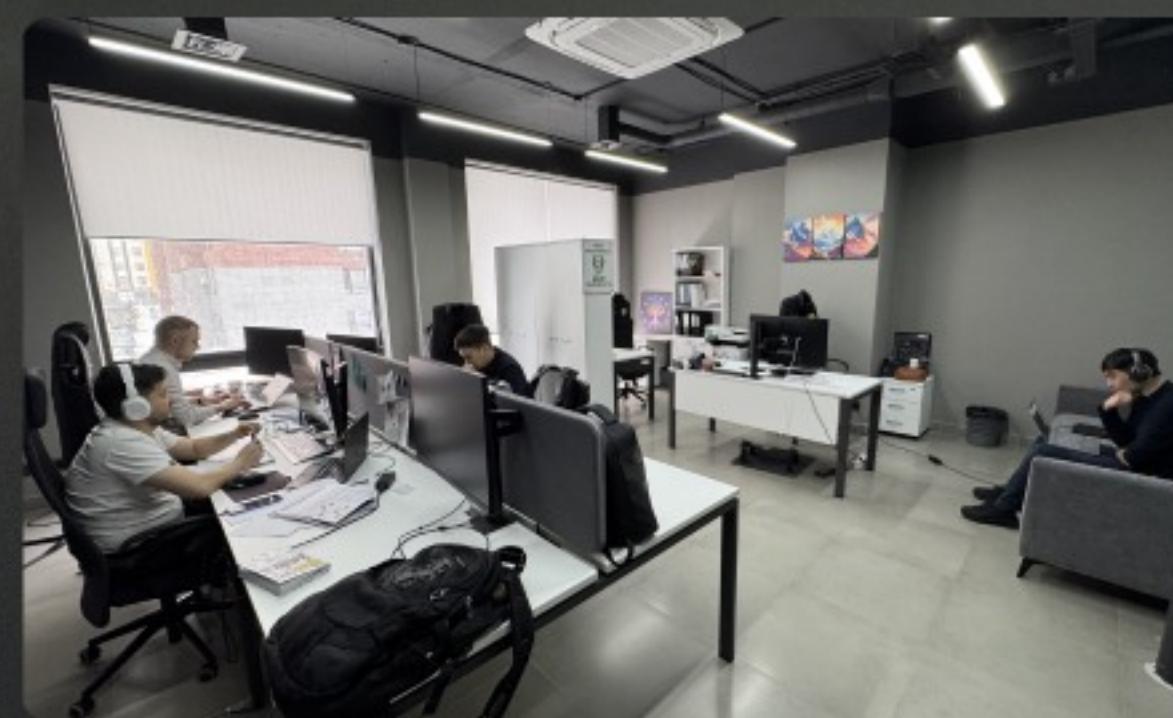


AG TECH's headquarters is located in its own modern office building in Astana.

It is more than just a workplace – it is an environment where ideas are born, projects are implemented, and a culture of innovation is fostered

The building is fully equipped for efficient work: spacious open space areas, comfortable meeting rooms, relaxation zones, and coworking spaces provide the conditions for productive teamwork

Having our own office is an investment in stability, independence, and the development of a strong professional team



REGIONAL OFFICES

- Astana
- Almaty
- Atyrau

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COMPANY CERTIFICATES



AG TECH



INDUSTRIAL CERTIFICATE

confirms that AG TECH is a domestic producer of goods, works, and services



ACCREDITATION CERTIFICATE

certifies AG TECH as an entity engaged in scientific and scientific-technical activity



REGISTRATION CERTIFICATE

certifies AG TECH as a participant in a Special Economic Zone



CERTIFICATE OF CONFORMITY ST RK ISO 9001-2016

confirms that AG TECH complies with international quality management standards



CERTIFICATE OF CONFORMITY ST RK ISO/IEC 15408-3-2017

confirms that the DMMS system meets international security evaluation criteria



CERTIFICATE OF CONFORMITY ST RK ISO/IEC 27001-2015

Confirms that the AG TECH's information security management system meets international requirements



ACHIEVEMENTS AND AWARDS



Recognized as a domestic producer of goods, works, and services



Company processes comply with the criteria and requirements of international ISO standards



Accredited as an entity engaged in scientific and scientific-technical activity



One of the largest taxpayers in the IT sector of Kazakhstan

ACF PIT

Since January 2022, AG TECH has been a resident of the Autonomous Cluster Fund "Park of Innovative Technologies"



Digital Almaty 2024
Innovative Industrial Solution Award



Daktronics CY 2024
Outstanding Achievement of Custom Sales over \$1,000,000



Mining & Metals 2023
Best Product Presentation



Daktronics CY 2022
Outstanding Achievement of Custom Sales over \$1,000,000



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THE DMMS SYSTEM



DMMS (Digital Monitoring and Management System) is the flagship product of AG TECH.

A unique production management system with no global equivalents, aligned with Industry 4.0 principles. It is a 100% Kazakhstani-developed powerful tool for operational and safety control, reliable analytics, and effective management of all industrial production cycles. Implemented system solutions elevate business process efficiency and ensure transparency in enterprise resource management.



THE MISSION BEHIND DMMS

Ensuring productivity, discipline, and workplace safety

 **60 000** USERS



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MORE INFORMATION



THE DMMS SYSTEM MASCOT – STEVE KNOCKER



IMPLEMENTED PROJECTS



THE DMMS SYSTEM AND ITS COMPONENTS HAVE BEEN DEPLOYED AT THE SITES OF LEADING INDUSTRIAL ENTERPRISES IN KAZAKHSTAN AND ABROAD

COMPLETED PROJECTS



LLP "KAZZINC"

"Dolinniy" Mine, Mining and Processing Plant

Implementation of an integrated Mining Production Management System (MPMS)



LLP "KAZAKHMYS CORPORATION"

Mine No. 67, "Zapadny" Deposit

Implementation of an integrated Mining Production Management System (MPMS)



JSC "QARMET"

Iron Ore Department, "Zapadny Karazhal" Mine

Implementation of an explosives inventory and tracking system



LLP "KAZAKHMYS CORPORATION"

Rollout of the personnel positioning and emergency notification system across 13 mines



COMPANY "KAZ MINERALS"

"Bozymchak" Deposit, Kyrgyz Republic

Implementation of personnel and equipment positioning system, emergency notification, and traffic light signaling system inside the mine



LLP "KAZAKHMYS CORPORATION"

Balkhash Concentrator

Implementation of a worker monitoring system for the Quality Control Department

ONGOING PROJECTS



COMPANY "SOLIDCORE RESOURCES"

LLP "Bakyrchik Mining Enterprise"

Implementation of a precise, zonal, and satellite-based personnel positioning system at the plant



JSC "SHALKIYAZINC LTD"

"Shalkiya" Mine

Implementation of personnel and vehicle positioning, emergency alerting, and post-collapse miner location system



COMPANY "ERG" / LLP "BUSINESS & TECHNOLOGY SERVICES"

JSC "Kazakhstan Electrolysis Plant"

Implementation of a local indoor and global satellite-based outdoor personnel positioning system



JSC "QARMET"

Coal Department

Implementation of industrial safety system modules at five mines and two concentrator plants

ENSURING COMPLIANCE WITH INDUSTRIAL SAFETY REGULATIONS
OPTIMIZATION OF PRODUCTION PROCESSES AND RESOURCES
3% INCREASE IN PRODUCTION EFFICIENCY

KEY RESULTS OF THE SYSTEM
IMPLEMENTATION



DISPATCH AND ANALYTICS

TURNKEY COMMAND CENTER

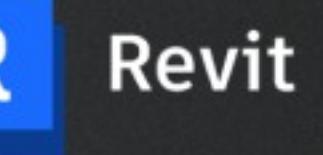
Development and implementation of modern integrated dispatching systems flexibly adapted to the needs of each project

PROJECT IMPLEMENTATION SCOPE

- Business process analysis, preparation of technical specifications, design concept, and cost estimate documentation
- Renovation of premises, installation of engineering networks, furniture production, and equipment installation including servers and video walls
- Development of an automated digital system based on DMMS and its integration with the customer's existing systems
- Testing, commissioning, author supervision, and comprehensive warranty support



AG TECH



In our projects, we use BIM technologies – advanced computer-aided design systems based on Building Information Modeling for facilities and spaces

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COMPLETED PROJECTS



PROJECT OBJECTIVE

To ensure centralized real-time monitoring, control, coordination, and analysis of oil and petroleum product extraction, transportation, processing, and distribution across the country

DMMS OIL & GAS SYSTEM MODULES

- Oil and gas condensate extraction and handover
- Raw material transportation
- Refining of raw materials at oil refineries
- Petroleum product inventory
- Price indicators for crude oil and petroleum products
- Petroleum product balance forecast

DEVELOPMENT OF A DISPATCH AND ANALYTICS CENTER FOR JSC NC "KAZMUNAYGAS" BASED ON THE DMMS OIL & GAS SYSTEM



Kazakhstan, Astana



Implementation period: May – October 2022

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COMPLETED PROJECTS



DEVELOPMENT OF A DISPATCH AND ANALYTICS CENTER FOR THE COAL DEPARTMENT OF JSC "QARMET" BASED ON THE DMMS SYSTEM

PROJECT OBJECTIVE

To provide centralized real-time monitoring, control, coordination, and analysis of production processes at five mines and two concentrator plants of the Coal Department

DMMS SYSTEM MODULES

- Dispatching
- Underground personnel and equipment positioning system
- Surface and railway transport positioning system
- Underground digital video and radio communication
- Surface and underground video surveillance
- Emergency group alerts and individual staff paging
- Personnel search in emergency situations
- Air and gas monitoring
- Main ventilation fan monitoring



Kazakhstan, Karaganda



Implementation period: May – August 2024

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MAINTENANCE AND SUPPORT



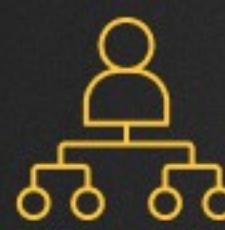
**AG TECH IS A CONTRACTOR FOR THE OIL COMPANY “TENGIZCHEVROIL”
PROVIDING COMPREHENSIVE IT INFRASTRUCTURE SUPPORT**



Management, technical support, and refinement of access control and permit system applications for personnel and equipment across all production and administrative facilities of the company



Technical support and enhancement of various company applications



Management and technical maintenance of the company's on-site infrastructure – including equipment and applications software



Development and advancement of the automated information system "Service Center 2.0" designed to automate the delivery of public services to the population

SYSTEM FUNCTIONALITY

- Storage and management of vehicle data
- Vehicle registration, re-registration, and deregistration
- Temporary vehicle registration
- Initial registration of vehicles imported from EAEU member states
- Legalization of foreign vehicles
- Registration and release of liens on vehicles
- Imposition and removal of seizures on vehicles
- Driver's license replacement
- Replacement and issuance of a duplicate driver's license
- Auto-ordering, duplicate issuance, and recovery of license plates



85 BILLION TENGE



- Over 7 million applications for various vehicle-related public services processed
- Over 500,000 new vehicles registered annually
- More than 5.5 million vehicles registered in the system
- The majority of public services are delivered through the system – 95% of vehicle services and 100% of driver license services

IMPLEMENTED INTEGRATIONS

GOVERNMENT AND DEPARTMENTAL SYSTEMS



FINTECH COMPANIES



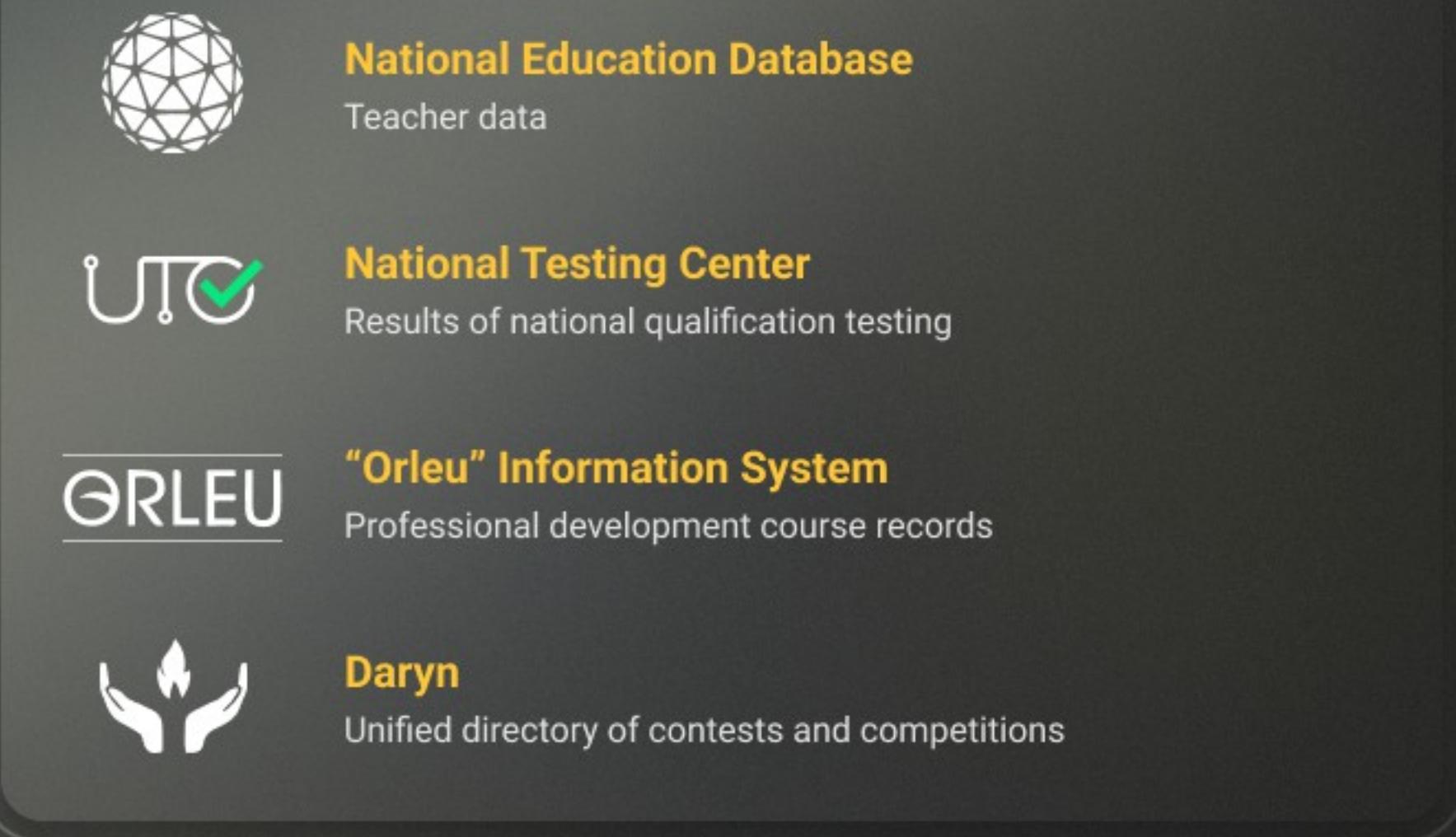
Development and advancement of the national platform for continuous professional development of teachers "Ustaz," designed to automate the teacher certification process

SYSTEM FUNCTIONALITY

- Teacher's personal account
- Automated data collection for teacher certification through integration with various data sources
- Tools for teacher certification with minimal time and labor costs
- Tools for observing lessons, classes, and other educational activities
- Differentiated teacher evaluation system that accounts for the specifics of their professional roles
- Monitoring and analysis of statistical data on education quality, personal achievements, and student performance



IMPLEMENTED INTEGRATIONS



THE PLATFORM COVERS 5 LEVELS OF EDUCATION

PRESCHOOL, SECONDARY, SPECIAL, SUPPLEMENTARY, TECHNICAL AND VOCATIONAL



AG TECH IS A PARTNER OF RSE "KAZAERONAVIGATSIA" FOR THE SUPPLY OF RADIONAVIGATION EQUIPMENT AND SOLUTIONS FOR BUILDING AIR TRAFFIC MANAGEMENT SYSTEMS



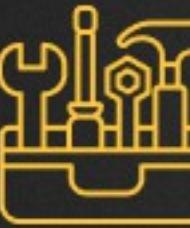
Planning and design



Equipment supply and installation

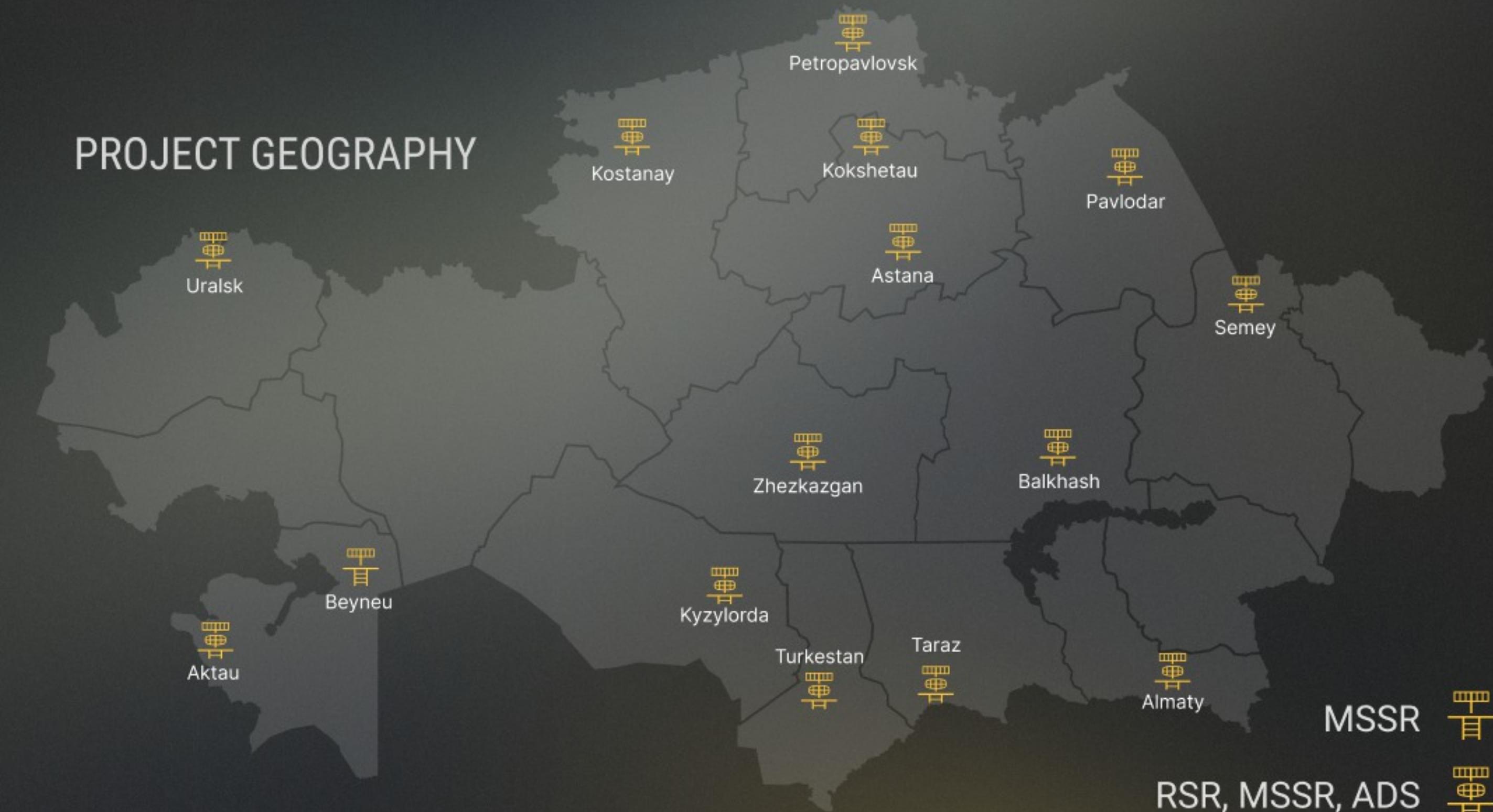


Testing and trial operations



Technical maintenance, repair, and modernization

PROJECT GEOGRAPHY





KEY PARTNERS



AG TECH builds strong and lasting partnerships with global industry leaders across various sectors.
We combine expertise and innovation to create reliable high-tech solutions and deliver competitive advantages

Honeywell

aruba
NETWORKS

DAKTRONICS

SIEMENS

**Hewlett Packard
Enterprise**

MRS
Underground Intelligence

ZEBRA

DELL EMC

CISCO

OTN Systems

Lenovo

vmware

**Schneider
Electric**

easat
RADAR SYSTEMS

ORACLE

PBE



INTERNATIONAL RECOGNITION



AG TECH

PRESENTATION OF THE DMMS SYSTEM TO THE PRESIDENTS OF KAZAKHSTAN AND KYRGYZSTAN AT THE 35TH PLENARY MEETING OF THE FOREIGN INVESTORS COUNCIL, 2023





INTERNATIONAL RECOGNITION



PRESENTATION OF COMPANY SOLUTIONS TO THE HEADS OF GOVERNMENT OF THE EAEU COUNTRIES AT THE DIGITAL ALMATY 2025 FORUM

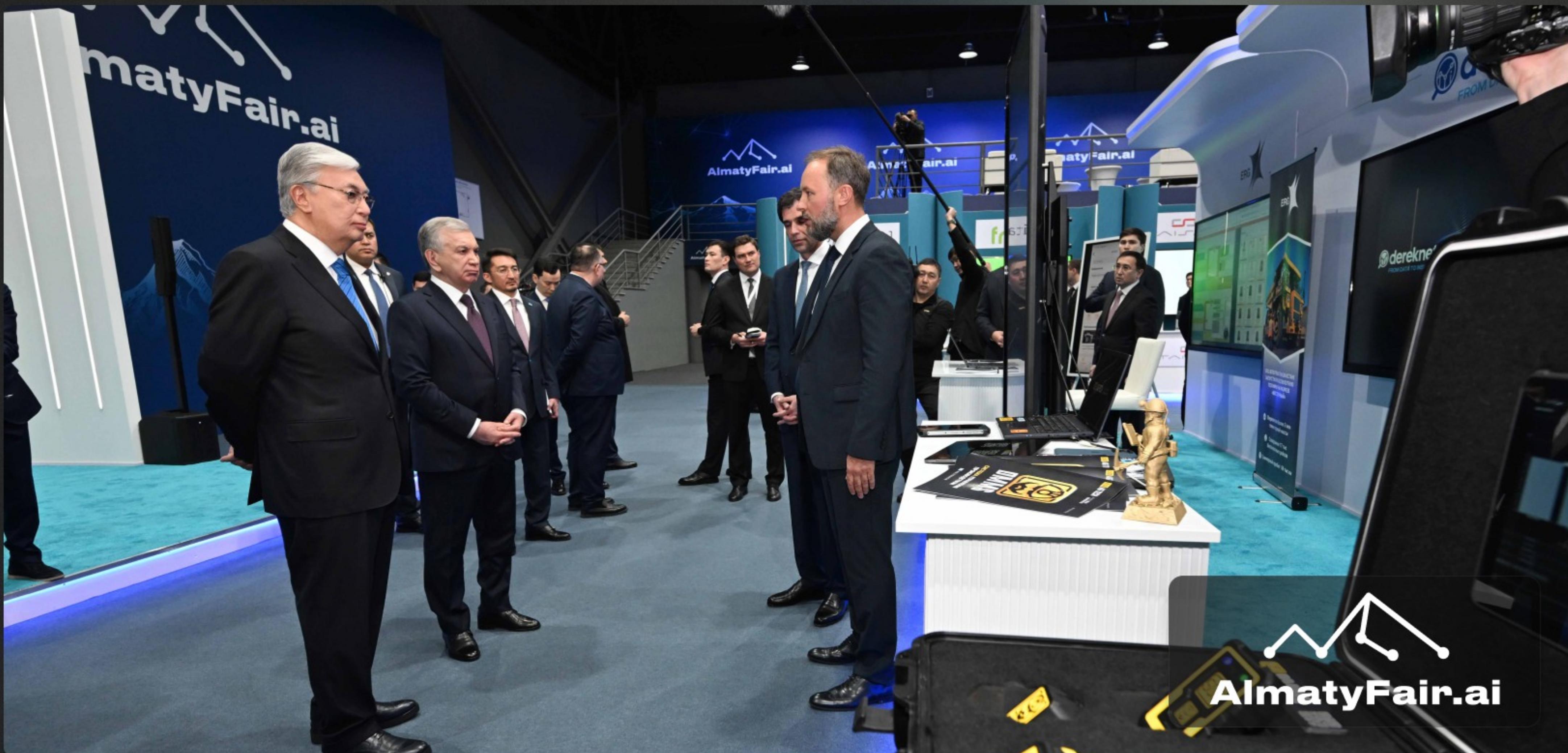




INTERNATIONAL RECOGNITION



PRESNTATION OF COMPANY SOLUTIONS TO THE PRESIDENTS OF KAZAKHSTAN AND UZBEKISTAN AT THE ALMATY FAIR AI 2025 EXHIBITION





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**THANK YOU FOR
YOUR ATTENTION!**



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