UZINFOCOM

— EST. 2002 —

UZINFOCOM

Architects of
the digital
future

A company that leads the way
in transforming businesses with digital technologies

UZINFOCOM

UZINFOCOM is a leading company that specializes in digitalizing Uzbekistan and transforming it into a digital economy. It implements cutting-edge IT solutions and technologies in various sectors and domains. It also develops digital services and infrastructure that enhance the ef□ciency of governmental management. UZINFOCOM's work is focused on creating a comfortable, secure, and accessible digital environment for everyone

20+
years of experience
in the IT market

1000+
IT Experts

6
Branches
in Uzbekistan

Single
Integrator

European Bank for Reconstruction and Development

The MyID project was recognized as the best digitalization project in Central Asia by the European Bank for Reconstruction and Development (EBRD) for 2021

GlobalCIO

Awarded as "The Best Biometric Identi□cation Project»

Awarded the Silver Prize in the category "Public Organizations and Social Projects" at a prestigious national award

iBeta

MyID project Received certi□cation from the American iBeta laboratory

TAF! Tashkent Advertising Festival

Received an award in the category «Mobile Applications»
Awarded a prize in the special nomination
"Leader in DNS Management and Blockchain Technology Implementation in Uzbekistan»

We are trusted by

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Governmental Sector

Administration of President of the Republic of Uzbekistan

Supreme Assembly of Uzbekistan «Oliy Majlis»

Cabinet of Ministers of the Republic of Uzbekistan

Agency for Development Public Service under the President of Uzbekistan

General Prosecutor's office of the Republic of Uzbekistan

Ministry of Digital Technologies Republic of Uzbekistan

Agency for Presidential Educational Establishments

Ministry of Internal Affairs Republic of Uzbekistan

Ministry of Defense Republic ofUzbekistan

Ministry of Healthcare Republic of Uzbeksitan

Ministry of Energy Republic of Uzbekistan

Ministry of Agriculture Republic of Uzbekistan

Ministry of Tourism and Cultural Heritage Republic of Uzbekistan

National Guard of the Republic of Uzbekistan

Ministry of Youth Policy and Sports of the Republic of Uzbekistan

Commercial Sector

TBC BANK

HAMKORBANK

Payme

NBU O'ZMILLIYBANK

Agrobank

OFB

KDB Bank

inTend

KAPITALBANK

click

Garant bank

multicard

UZTELECOM

Beeline®

texnomart*
*упаковано с любовью

market

XalqBanki

TENGE BANK

ipotekabank otp group

paynet

ZOODPAY

alif tech

OQ

Our Activities

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Digital Government Services

Introduction of digital technologies in public administration and public service delivery

- SENAT.UZ
- KENGASH.GOV.UZ
- DEPUTAT.GOV.UZ
- MY.GOV.UZ

Artificial Intelligence Projects

Optimization of business processes using artificial intelligence

- MyID Vision
- Palm ID
- MyID Video Analytics
- Voice Assistant Muxlisa

Infrastructure Projects

Dedicated platforms that enable users to communicate and work together through various tools and services

- Digital Energy
- Agroplatforma.uz
- hrm.argos.uz
- DMED

IT audit and consulting

Optimization of business processes with the help of automation tools:

- Business digitalization strategy
- Recommendations on the choice of technologies and tools
- Roadmap for implementing new solutions or technologies
- Auditing and improvements
- Agile transformation of business
- Flexible methodology for the transfer of expertise




Digital Government Services

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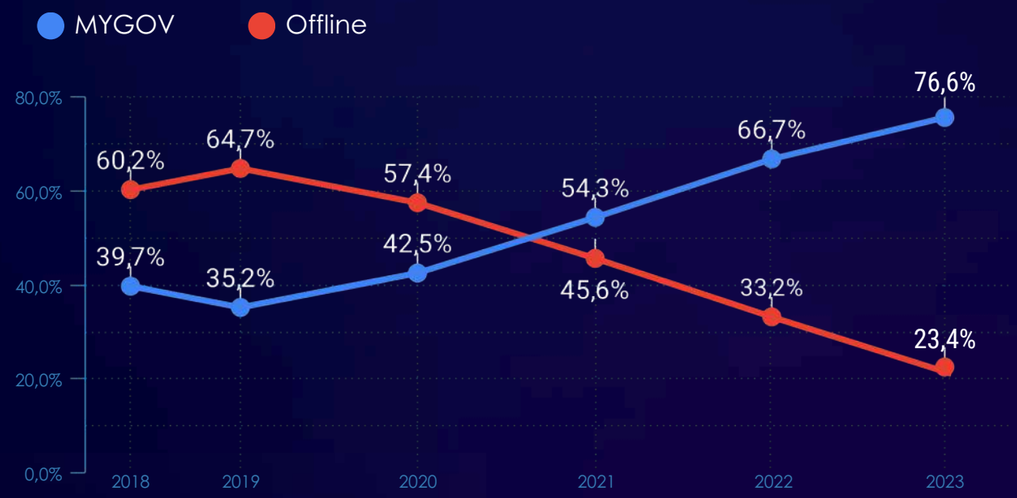
my.gov.uz

MY.GOV.UZ - a uni□ed portal of interactive public services (UPIPS) in Uzbekistan

Popular myGov services:



"Through the portal to the users"

"Uni□ed Portal" Cabinet for Centres

- Online Paymɵents
- Flexible Business Processes
- Document Repositories
- Cabinet for Entities
- id.egov.uz

2013 "Services in a new format"

- Test Launch
- Data exchange in electronic form
- Citizens' appeals

2017

2020 "All services at your □ngertips"

- Launch of MyGov mobile app
- Documents "in your pocket"
- NFC authorization

According to the statistics of the National Search Engine, MY.GOV.UZ is one of the □ve most popular Internet resources in Uzbekistan.

Time saving: delivery of the following documents to your home/apartment/of□ce:

- Driving License
- Education Diplomas/Degrees
- Civil Registry Documents

Technologies and Tools:

TypeScript, Node.js, Nest, Vue, Nuxt.js, PostgreSQL, MongoDB, GO, Flutter, PHP, AQA, Manual testing

Projects based on artificial intelligence

MyID Vision - biometric system for simple and secure face authentication

MyID Vision

Commercial Banks
28
(80% of all banks of Uzbekistan: MilliyBank, TengeBank, Kapitalbank, Agrobank, Xalq Banki, UZUMBANK)

Payment Systems
17
(O!Money, Click, Payme, PAYNET and so on)

Marketplaces
16
(Uzum Market, ZoodMall, AlifShop, Sello and so on)

Cellular Carriers
5
(Beeline, UCell, UZTELECOM, Mobiuz, OQ)

Governmental Organizations
4

Other Organizations
24

100+ Number of connected services

11 000 000+ Number of users

Primary Components MyID:

- Liveness detection
- Facial Recognition
- Facial Comparison
-

Number of MyID users

- Remote opening of a bank account
- Remote eSim registration
- Instant Registration
- Security
- Improving customer service

Projects based on artificial intelligence

MyID Palm - biometrics system based on palm vein pattern

safe identification

MyID Palm

How and where can I apply MyID Palm?

- Financial and public sector
- Biometric access control
- Contactless payment for goods and services

Convenient biometric access control to various systems:

- Mass events
- Security alarm system
- Systems with limited access control
- Time attendance systems

Simple and clear biometric payment for goods/services

- Retail
- Purchase of air and rail tickets
- HoReCa

Projects based on artificial intelligence
MyID Video Analytics - intelligent biometric video system

safe identification

MyID Video Analytics

The goal of the project is to improve the quality of data to optimize marketing campaigns

Features of MyID Video Analytics

- Queue status
- Staff working hours (presence/absence)
- Visitor movement map visualization
- Face recognition from the camera video stream
- Gender and age detection
- Presence of overalls at industrial facilities

Key sectors for usingMyID Video Analytics:

Retail
Monitoring of customer movements, identification of popular categories

Banking
Customer traffic dynamics, queue analysis

Security
Tracking blind spots, idle traffic

Production
Identification of potential threats

Projects based on artificial intelligence
Muxlisa - voice assistant

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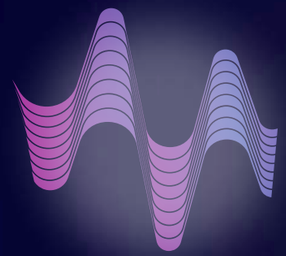
Muxlisa

Muxlisa - the first voice assistant
in the national language in Uzbekistan



Hi,
I am Muxlisa

Applications of Muxlisa AI

- Call-center automation
- Electric Vehicles
- Publishers
- Government Services
- Websites
- Smart Home
- Education
- Information resources

What can the Muxlisa voice assistant do now?

STT
the ability to convert spoken language into text

TTS
audio-to-text translation

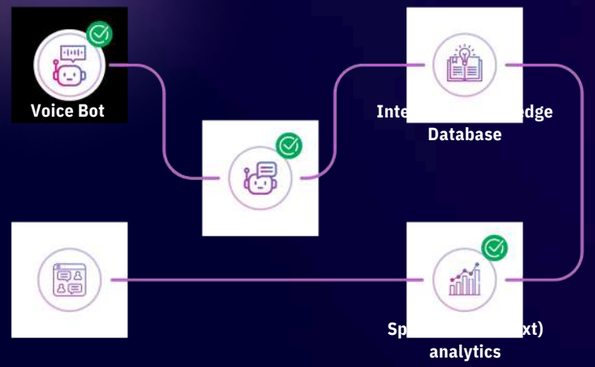
Call center
processing of incoming requests

Transcription
converting audio and video files to text

Stenography
report writing

Chat Bot
query responses

NLU Module
speech recognition subsystem



BYD

Control of vehicles
using speech

more than 10
government
agencies use Muxlisa AI

TOKEN.UZ

UNIVERSAL BLOCKCHAIN PLATFORM FOR BUSINESS AND GOVERNMENT

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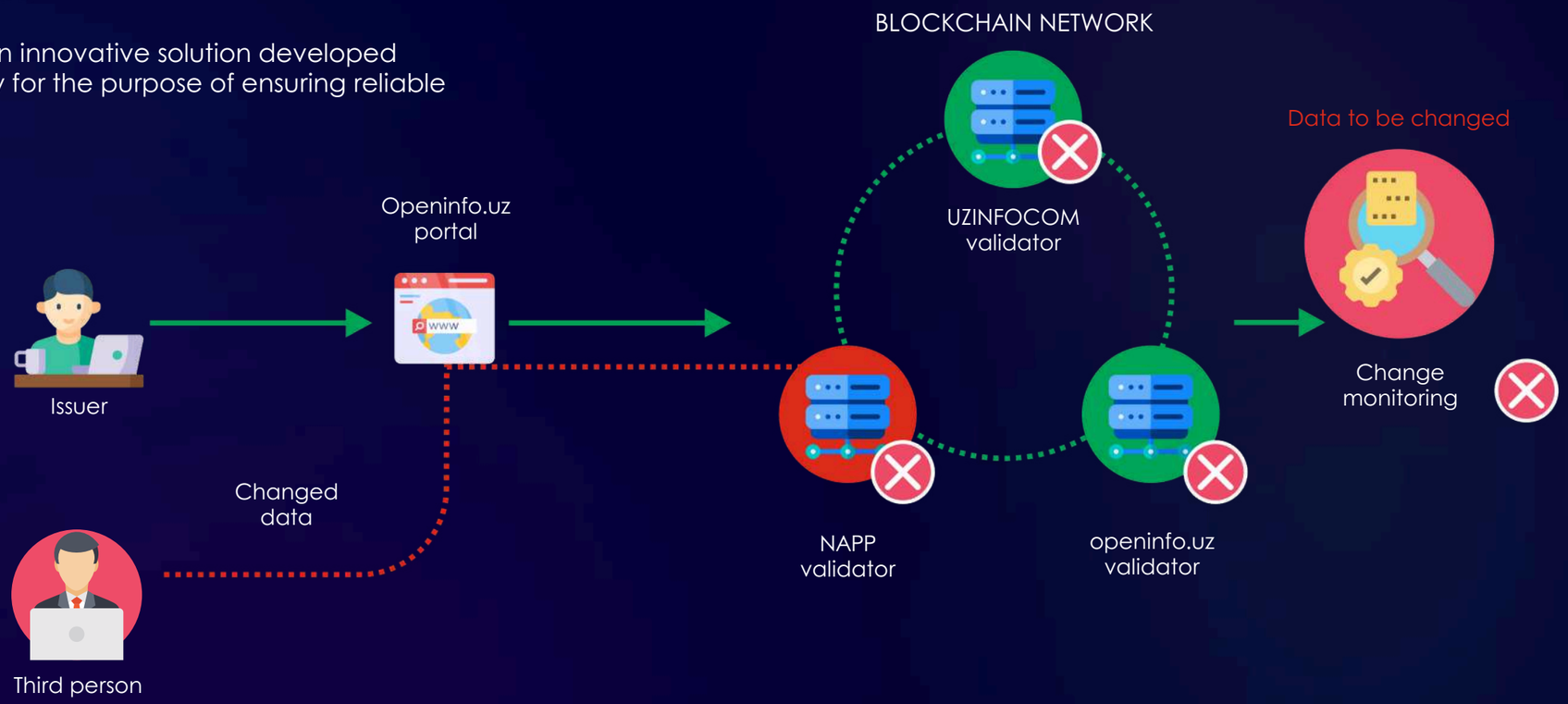
token.uz

The platform token.uz provides an innovative solution developed based on blockchain technology for the purpose of ensuring reliable and transparent storage.

- Ensuring secure and transparent data storage
- Protection against data modification and falsification by third parties
- Increased confidence in the data storage process
- Ensuring transparency in the process of data change by the issuer



Projects where the Token.uz platform is successfully used

One of the projects where the Token.uz platform is successfully used in practice is the integration of a blockchain database into the corporate portalOpeninfo.uz, which securely stores more than 20,000 reports of companies, banks and investment data, ensuring transparency and reliability of information.

The second successful project is the storage of teachers' certification exam results on the blockchain. Currently, the Token.uz blockchain platform securely stores over 210,000 exam results.

DIGITAL GEOLOGY

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DIGITAL GEOLOGY

- Development of the Digital Geology 2030 Concept
- Step-by-step digitalization of the Ministry of Geology departments
- Creation of the INVESTOR portal, implementation of an Interactive subsoil map
- Creation of the Geo Fund, Geological Exploration, Hydrogeology, and Geophysics information systems
- Automation of financial management and control
- Automation of the Local Budget Database
- Automation of accounting and management of the vehicle fleet and special equipment
- Creation of the Ministry of Geology Situation Center
- Management of the personnel potential of the Ministry of Geology
- Creation of a Dataroom

GEOMONITORING IS 2024-2025

Purpose of the system

Intended for monitoring key industry indicators, subsoil use, implementation of the geological exploration program, monitoring state procurement, and introducing a subsoil user monitoring system

- Creation of a unified database of subsoil users
- Monitoring the implementation of exploration works
- Monitoring of state procurement in geology
- Monitoring of subsoil users and surveyors
- Integration with government information systems
- Services to the public and legal entities

Ustudy

powered by Uzinfocom

Make people IT minded

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Mission

We prepare a generation of IT professionals open to global challenges, creating innovative solutions aimed at improving the quality of life in society through knowledge, skills, and practical experience

Ustudy is

- Practical instructors
- Dual education
- Development of hard & soft skills
- Individual development program
- Mentor support
- Community of young experts
- Guest lectures and business breakfasts
- Internship and employment

System Approach Model Quadruple Helix

Interaction with

- Government
- International Organizations and Society
- Industry
- Schools, Universities

Our Programs:

- Frontend
- Backend
- Cybersecurity
- Design
- Motion Design
- + SOFT SKILLS

New by the end of the year:

- Artificial Intelligence
- Big Data
- DevOps
- Data Science
- IT Analytics

Initiatives:

- Development of a CDO Qualification Program
- HRM ARGOS
- Development and Training Program on AI in the Public Sector
- BootCamp & Hackathons for Youth
- Corporate Training Programs in Industry

Infrastructure projects

IT Village - the first educational IT village in Uzbekistan located in Samarkand

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Created in 2022 on the enthusiasm of UZINFOCOM, to provide quality and free education to children from remote regions of the country

IT Village
Information Technology Village

Project motto — "The IT industry has no age restrictions"

Unique factors of IT Village

- Organization of IT infrastructure in remote areas of the republic
- The beginning of the development of a new direction in ICT: IT tourism
- **Three specialized areas:** English language, programming and robotics
- **Complex territory:** 300² from 10 containers
- Favorable conditions for attracting children to the IT sphere
- Possibility of organizing and conducting international and local forums and hackathons
- **Learning conditions:** we accept students from 1st to 8th grade. Minimum age 7 years, maximum 14-15 years
- **Also on the territory:** hotel, conference hall, eco-cinema, medical center, etc.
- Electricity supply using renewable energy sources
- Use of sea containers for building office spaces
- **Three classrooms:** for 60 people
- **Number of graduates for 2023:** + 500 children

ACMS

Access Control and Management System | ver. 2.0

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U-tech

ACMS consists of:

- sensors identifying conditions and events
- execution mechanisms
- devices that set the algorithm, controllers or personal computer

The main function of ACMS is access control to the facility: who, when and where can enter:

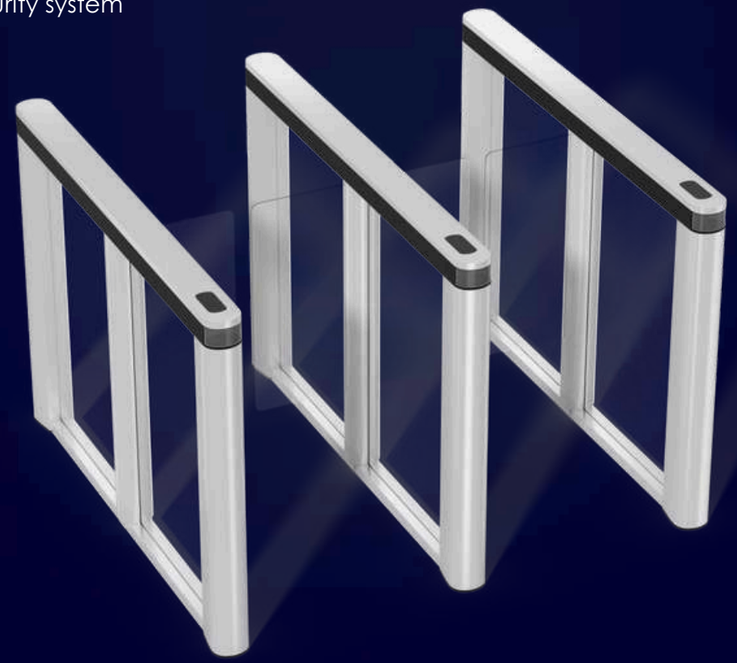
- time tracking
- payroll calculation (integration with the security system)
- maintaining a database of personnel and visitors
- integration with the security system

ACMS consists of:

- Minimizing the human factor in the pass system
- Monitoring employee arrival and departure times.
- Reducing security costs
- Preventing access by unauthorized persons
- Enhancing enterprise security
- Precise access differentiation
- Continuous operation without external control

ACMS provides security and access control in organizations, and its components include barrier devices, identi□ers, controllers, readers and software

This is an effective tool for ensuring security, control and optimization of work at various facilities



Infrastructure Projects

Electricity metering and payment system

Software Complex is designed for an unlimited number of users

User authentication using a unified user identifier

Integration with the interagency integration platform to utilize up-todate information

CRM

Round-the-clock Call-center

Dashboard

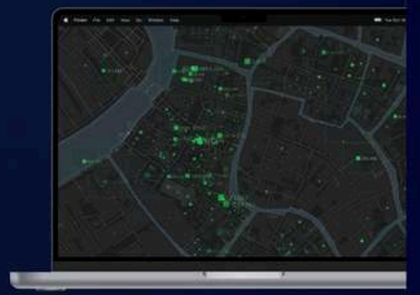
- Gathering statistical information
- BI+AI analytics dashboard
- Receive reports
- Analyzing indicators
- Forecasting
- Constructor

Mobile app

pay for electricity consumption and get notified of payments and consumption

Geo-information map

Geo-information map of substations and transformers with indication of their voltages and load



Microservice architecture

- Load balancer to manage incoming requests and maintain high speeds
- Fault tolerance to ensure system stability when individual services fail
- Flexibility to modernize and create new features
- Scalability to adapt to increasing user needs

Real-time operation

- Transfer large and fast data for real-time data exchange
- Increasing the number of users by creating communication channels between server and client using WebSocket technology
- Responsive user interface
- When logging in from any device (cell phone, tablet, computer with different monitor sizes), the user interface automatically adapts to that device

Infrastructure Projects

Centralized information and analytical complex energy control

Project's primary objectives:

- Centralized control of energy consumption and production.
- Ensuring continuous monitoring of energy resources
- Increasing transparency in the energy sector
- Regular monitoring of compliance with consumption rates

System Functionality:

- Continuous monitoring and real-time tracking of energy flows
- Centralized access
- Automated data collection
- Maintenance of balance sheet and turnover statement
- Identifying discrepancies

Benefits of the system:

- The system does not duplicate or replace any of the existing individual systems, it integrates with and complements existing systems through an interface
- Flexible and sustainable architecture
- Automatic adaptation to any devices and programs

Infrastructure projects

Centralized system of accounting and monitoring of violations in the energy

Primary Objectives

Rationalizing the use of resources

Optimization of fuel and energy resource accounting through digital workflow

Turnover of electronic documents

Transition to electronic documentation for energy and gas supply violations, ensuring system integration and transparency

Public control

Introduction of public control system through photo and video recordings into the centralized energy resources monitoring system

Advantages of the system

01. Uniform form of acts

02. Unified Portal for Supervision of Electronic Records of Offenses

03. Centralized system of electronic records of offences

04. Microservice platform, allowing an administrator to add unlimited number organizations to the system

05. Additional module for individuals, who have detected photo and video violations

06. Transparency of all acts on violations for the system participants

Process for handling act s of infringement

CENTRALIZED INFORMATION-ANALYTICAL SOFTWARE COMPLEX «E-MEHMON»

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KEY BENEFITS

- Simplifying the process of registering tourists and entrepreneurs
- Enhancing and ensuring national and public security
- Convenient monitoring of tourist flow with up-to-date information
- Supporting entrepreneurs in carrying out their activities in the tourism sector
- Reducing bureaucracy to increase the efficiency of interaction in the tourism sector
- Optimization and control of tourist fees to minimize losses
- Integration with services to ensure system flexibility for future development
- Access to personalized and quality services to enhance the tourist experience
- Efficient use of resources to improve tourism flow management
- Enhancing the competitiveness of Uzbekistan in the global tourism market

SYSTEM COMPONENTS

E-MEHMON.TOURIST

- Registering and monitoring of tourist fees, occupancy of accommodation facilities
- Verification of entry/exit of foreign citizens, as well as the identity of citizens of the republic
- Formation of a unified register of foreign and local tourists, “Digital Footprint”
- Verification of IE documents for carrying out the activity of accommodation facilities

E-MEHMON.CRM

A customer relationship management system for the tourism sector that provides centralized customer information storage, order management, and analytics

E-MEHMON.LICENSE

A module enabling the acceptance, processing and issuance of opinions for a given tourism activity

E-MEHMON.TICKETS

Possibility for tourists to purchase tickets for air, rail and intercity transportation

E-MEHMON.ONE_ID

Authorization service on the principle of "Single Point of Entry" (OneID/id.egov.uz) interacting with the unified identification system

E-MEHMON.BILLING

Billing system that records all payment transactions within E-MEHMON

E-MEHMON.MANAGEMENT

Formation of a register of accommodation facilities providing room reservation services in hotels and sanatoriums

E-MEHMON.SUPPORT

A module to provide online support and real-time chat with customers

E-MEHMON.MOBILE

Development of mobile applications for tourists' convenience in traveling and using all services in the E-MEHMON system

E-MEHMON.BOOKING

Online platform for booking tours and services in the tourism sector of Uzbekistan. User-friendly interface for searching and selecting various tourist offers

E-MEHMON.RENT

Possibility to rent cars for arriving tourists

INTERACTION OF PARTICIPANTS IN THE E-MEHMON SYSTEM

Infrastructure Project

hrm.argos.uz — system of automation of human resources management in the governmental civil services

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Agency for Development Public Service under the President of Uzbekistan

Traditional way of of□ce management

- All personnel documentation in paper form
- All paper-based HR documentation on employees is time consuming
- Document circulation is carried out in paper form

After implementing HRM.ARGOS.UZ

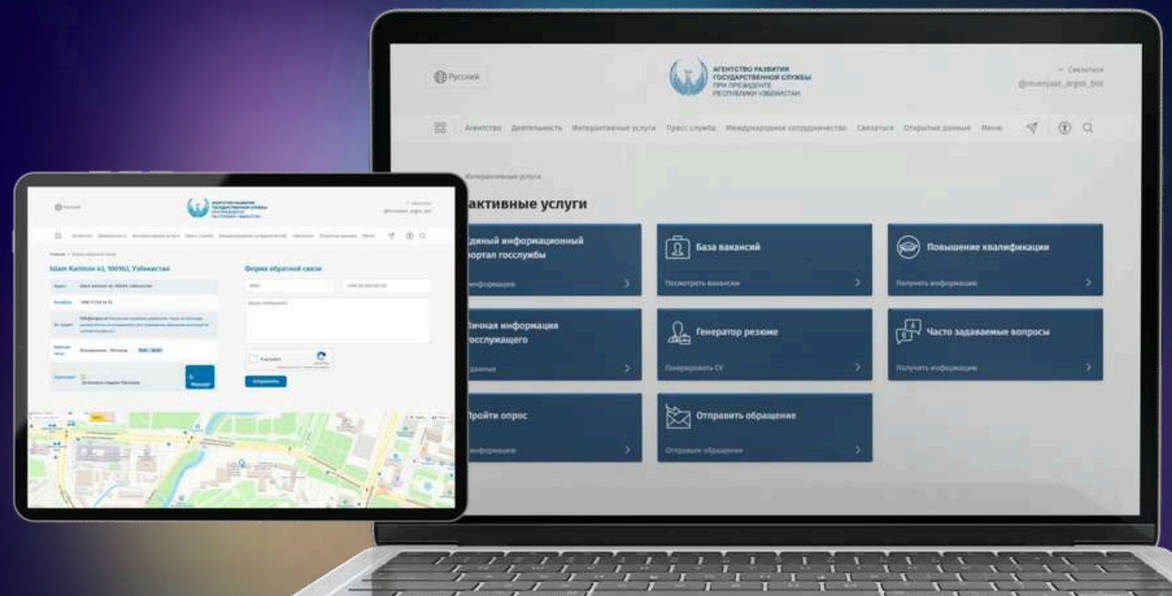
- Digitization of personnel records
- Integration with other systems eliminates duplication of personnel information
- Personnel record keeping is fully automated

3 700+
Number of organizations, connected to the HRM system

84 000+
Employee Records

89 123+
Number of applications in th HRM System

20 000+
Number of women working in the HRM system



Infrastructure Project

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AGRO PLATFORMA.UZ

AGROPLATFORMA — uni□ed agrarian information system

System capabilities:

- Utilization of the system on the principle of a single window
- Uni□ed statistical data at the republican level
- Financing of agriculture in digital format
- Transparency of expenditures on concessional loans

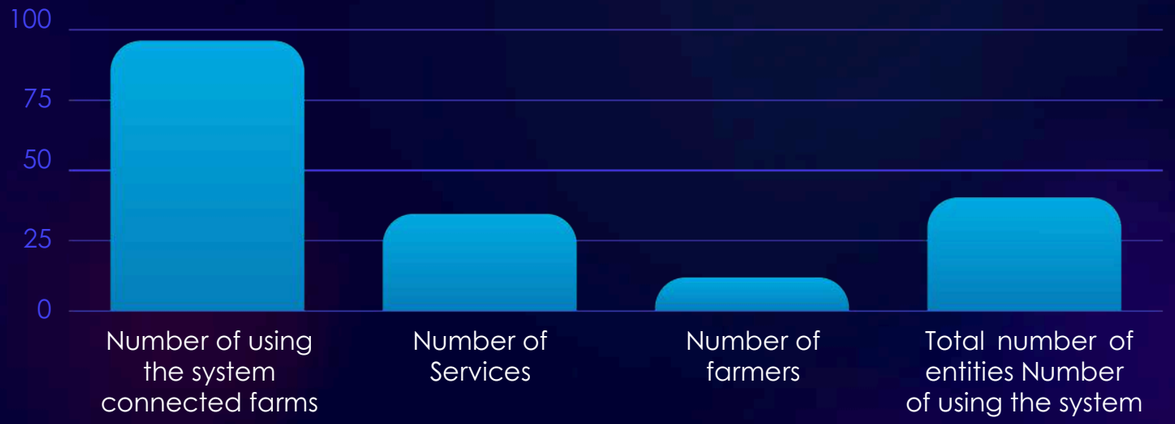
Problems solved by the informational system:

- Human factors and lack of transparency made it dif□cult to allocate crops by region
- Lack of digital format of documents
- Long process of processing agricultural applications
- Storage of agricultural documentation in paper form due to lack of a uni□ed database
- Accurate placement of agricultural land electronically
- Digitalization of agricultural processes
- Rapid documentation of agricultural processes
- Digital transformation of agriculture

Direction of the system activity:

- Land cadastral data
- Basic data regarding agricultural businesses and farms
- Lease agreement, water consumption, etc
- Accommodation information
- Contract for supply of goods/service
- Automatic generation of favorable lending rates
- Remotely by e-signature

Agroplatforma in numbers



Infrastructure Project

DMED — uni□ed medical system for digitalization of the Ministry of Healthcare of the Republic of Uzbekistan

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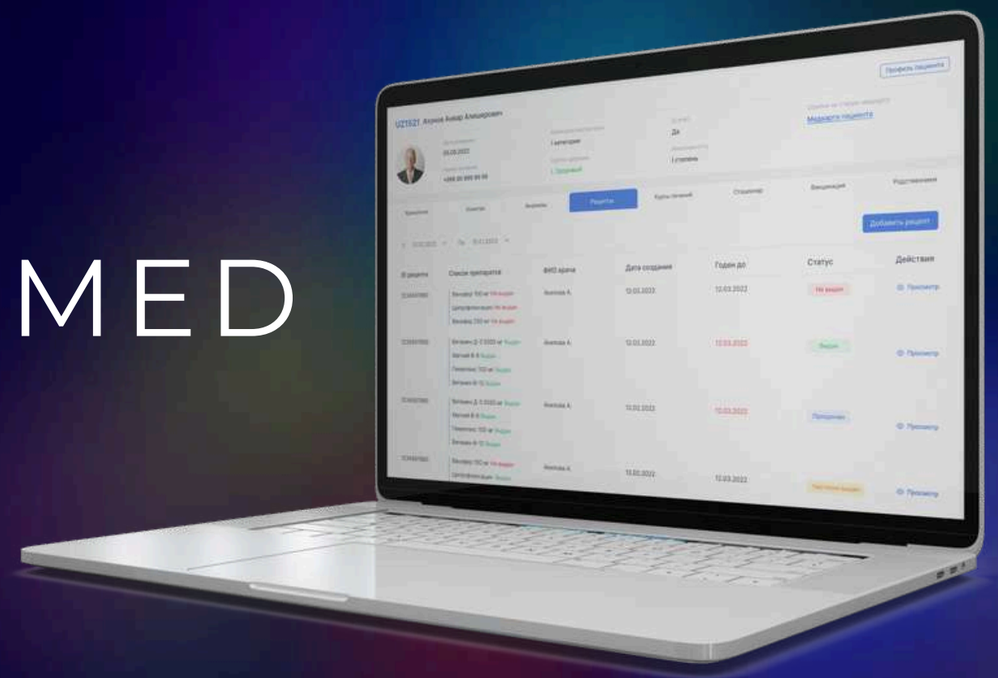
Advantages of the system:

- Analytics: view all patient information
- Uni□ed Medical Passport: digital medical record, digital form and discharge summary
- Telemedicine: online consultations with doctors from anywhere in the world
- Electronic prescriptions
- Template system for doctors
- Medical records integration with maternity hospitals
- Registration through facial biometrics

Results of digitalization on the example of patients

- Online appointment with a doctor and a laboratory
- View reviews of doctors and information about the polyclinic
- Online consultations Online consultations with specialists from any region

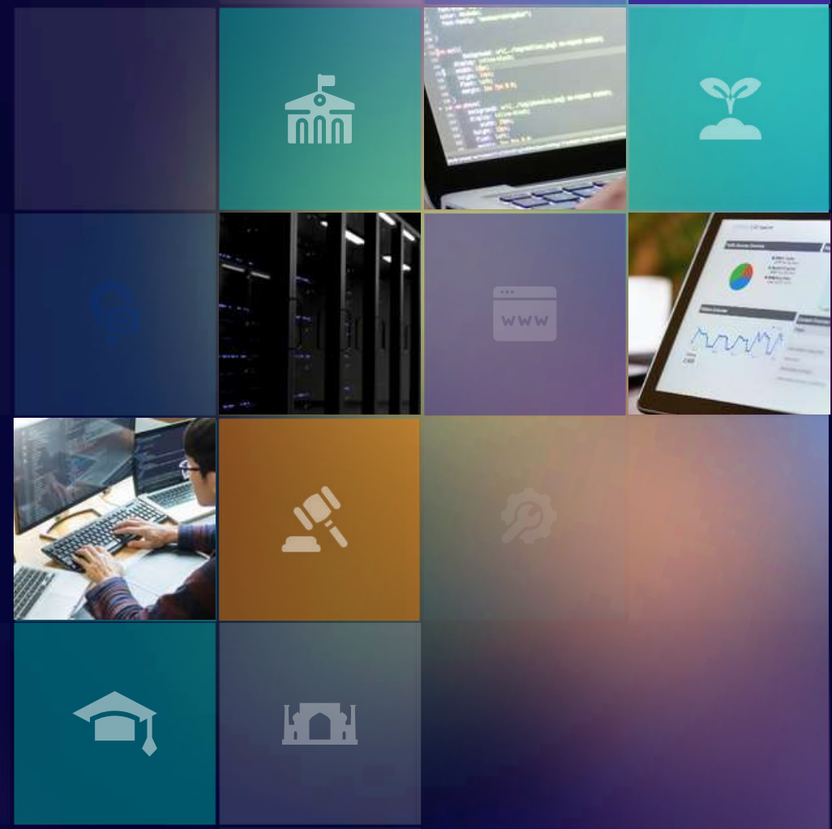
DMED



Complex of consulting services on development and implementation of corporate strategies of the commercial sector of the economy

Portfolio of services:

- IT consulting and automation of business processes;
- Independent audit of IT-infrastructure, Automated Banking Systems, Business Process
- Management Systems of the Bank
- Development and support of digital transformation strategy
- Consulting in the processes of organizing and conducting procurement procedures
- Ensuring information security
- Implementation of risk management systems (RWA, ALM)
- Independent technical supervision during project implementation
- Development of business/data/application architecture and methodologies
- Development and implementation of ERP/CRM systems
- Development, implementation and optimization of data warehouses (BI and ETL)
- Comprehensive implementation of planning systems (SAREH/OREH)
- Digital solutions for the banking sector
- Credit product modeling (time to market)
- Outsourcing of specialists/experts
- Technical support
- Business analysis



Our Developers

700+
specialists

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Specialists who are not afraid of complex and non-standard tasks

Engineering team

SEARCH:
ElasticSearch.

CACHING:
Redis.

TESTING:
Jmeter, Locust.

REPORTING:
FineReports, FineBI.

TASK PLANNING:
Power Job.

Message Queing:
Apache Kafka.

API:
RESTful (JSON), Spring Cloud Gateway.

FILE STORAGE SYSTEM
S3 File System.

DATABASES:
PostgreSQL, Clickhouse, Redis.

SERVICE CONFIGURATION:
Spring Cloud Con□g.

REGISTRATION OF SERVICES: Spring Cloud Eureka Server.

MICROSERVICE ARCHITECHTURE:
Docker, Kubernetes.

INSTRUMENTARY DevOps/DevSecOps:
Kubernetes, Docker.

BACKEND:
Java (Spring Boot), Python (Django), .NET, PHP, Node.js.

ADDITIONAL TECHNOLOGIES:
AI/ML, Data Science, QA, UI/UX, iOS, Android, Rust.

FRONTEND:
Angular, React.js, Vue.js, Next.js, Flutter, JavaScript frameworks (Tailwind, Material UI).

LOGGING:
Central, distributed, logging visualization
(ELK - ElasticSearch, Logstash, Kibana), Spring Boot Sleuth, Spring Boot Zipkin.

Analytics Group

Business analytics
Project Management
Development of technical documentation

Consulting
Implementation

Operations Group

Account management
Consulting
IT Infrastructure

elasticsearch Java python php ANGULAR Flutter Spring Cloud

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