



# SKOLKOVO

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ENERGY-EFFICIENT  
TECHNOLOGIES



**Sector:** Energy-efficiency  
and energy security

**Product line:** Mixed reality-based  
construction management system  
integrated with BIM workflows.



<https://briomrs.ru>



**BRIO MRS** is an AI-powered hardware-software system that leverages computer vision, artificial intelligence, and proprietary Advanced Mixed Reality (AMR) technology to overlay BIM data directly on the construction site. It enables accurate visualization of hidden engineering networks, reduces errors, and accelerates installation workflows. BRIO MRS is included in the Russian Software Registry, holds 3 patents, and has been deployed in 34 implementation projects.

## KEY FEATURES & BENEFITS

- On-site MR visualization of engineering infrastructure;
- Early error detection and reduction of rework;
- Compatible with IFC, RVT, and other BIM standards.

## GLOBAL MARKET PRESENCE:

- Russia
- The UAE

## FORMS OF COOPERATION

Government initiatives, stakeholders,  
construction companies.

## KEY TARGET MARKETS:

- Middle East and North Africa
- Russia
- EEU



**Sector:** Energy-efficiency  
and energy security

**Product line:** Stroimatic pile driver.



<https://stroimatic.com/>



The **Stroimatic pile driver** is an innovative, compact crawler-mounted foundation machine designed for rapid and year-round piling in challenging and remote areas. Weighing between 2 and 5.5 tons, these machines enable one-day foundation installation, cutting construction time by up to 10× and costs by up to 2×. Easily transportable by trailer, boat, or helicopter, the product operates in all weather and terrain conditions.

## KEY FEATURES & BENEFITS

- One-day foundation installation;
- Reduces cost by up to 2× and time by up to 10×;
- Air, land, and water transportable;
- Certified, export-ready, and franchise-enabled.

## GLOBAL MARKET PRESENCE:

- Russia

## FORMS OF COOPERATION

Construction companies (residential/commercial/industrial), solar panel installers, infrastructure developers, B2B partners in compact foundation solutions.

## KEY TARGET MARKETS:

- Vietnam
- Thailand
- Indonesia
- Kenya



**Sector:** Energy-efficiency  
and energy security

**Product line:** KPI-1MX – on-site  
metering system for gas, condensate,  
and oil wells with component analysis.



<https://itcgeolog.com/>



**The KPI-1MX** is an advanced, mobile field metering unit designed to measure flow rates of gas, condensate, water, and gas-oil ratio without interrupting well operations. Its flagship feature is on-site, real-time component fraction analysis, enabling rapid and accurate diagnostics applicable to wells of any trajectory. Developed by ITC Geolog (Tyumen), a Skolkovo participant.

## KEY FEATURES & BENEFITS

- Real-time fraction analysis;
- Comprehensive flow measurement;
- Proven field track record;
- Versatile deployment.

## GLOBAL MARKET PRESENCE:

- Kazakhstan
- Azerbaijan
- Uzbekistan

## FORMS OF COOPERATION

Oil and gas field operators, petroleum service providers, B2B partners in well diagnostics and reservoir monitoring.

## KEY TARGET MARKETS:

- Russia
- Central Asia

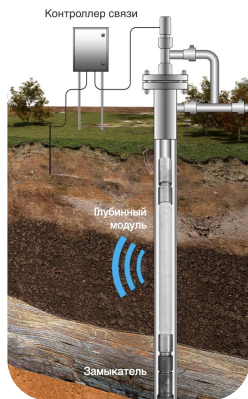


**Sector:** Energy-efficiency  
and energy security

**Product line:** LoRaWAN surface and  
downhole wireless telemetry systems  
for oilfield monitoring.



<https://www.tri-logic.ru/>



**Tri-Logic**, a Skolkovo resident since 2016, develops wireless Industrial IoT telemetry systems for the oil & gas sector. Their LoRaWAN-based surface networks collect real-time well data without cabling, while the wireless downhole system Tri-Logic.DCS transmits subsurface data intact. Deployed in Tatarstan and Orenburg, with clients including Tatneft and RuslanOil, the DCS system is now in successful pilot testing at Tatneft sites.

## KEY FEATURES & BENEFITS

- Surface LoRaWAN networks;
- Wireless downhole telemetry (Tri-Logic.DCS);
- Low OPEX;
- Industrial-grade deployment.

## GLOBAL MARKET PRESENCE:

- Oman (certification and institutional outreach in progress)

## FORMS OF COOPERATION

Oilfield operators, energy infrastructure integrators, B2B partners in industrial telemetry and oil extraction technologies.

## KEY TARGET MARKETS:

- Russia
- Oman

**Sector:** Energy-efficiency  
and energy security

**Product line:** Arc Fault Detection  
Devices.



<https://leaderlight.ru>



The company's primary focus is the development and production of low-voltage equipment. Since 2015, the company has designed and launched production of Arc Fault Protection Devices (AFDDs) with a unique operating algorithm.

This innovation minimizes risks of fires caused by electrical network and equipment malfunctions by more than half.

## KEY FEATURES & BENEFITS

- Original Arc Fault Detection Algorithm
- Full-Cycle Manufacturing & R&D
- Energy-Independent Event Logger

## GLOBAL MARKET PRESENCE:

- Saudi Arabia
- India
- Morocco

## FORMS OF COOPERATION

Distributors, an overseas technology partner to coproduce local branded AFDD.

## KEY TARGET MARKETS:

- Persian Gulf States
- The MENA region (Middle East & North Africa)
- South East Asia
- Latin America





# TEKVEL

**Sector:** Energy-efficiency  
and energy security

**Product line:** IEC 61850 - based  
lifecycle monitoring and management  
system

for digital substations.



[www.tekvel.com](http://www.tekvel.com)



**Tekvel Park** is a modular lifecycle management system for digital substations based on IEC 61850, developed by **Tekvel** — a specialized engineering company established in 2010. The platform supports all key lifecycle stages of a substation, from design (SSD/SCD) and commissioning to operation and maintenance. Tekvel Park provides full visibility into IEC 61850-based networks and is already deployed at 3 out of 4 digital substations in Russia.

## KEY FEATURES & BENEFITS

- End-to-end lifecycle support;
- Traffic verification;
- Real-time network monitoring;
- Event logging and tracing.

## GLOBAL MARKET PRESENCE:

- Russia
- The UAE

## FORMS OF COOPERATION

Power utilities, grid operators, EPC contractors, design institutes, system integrators, and digital substation technology providers.

## KEY TARGET MARKETS:

- The UAE
- Uzbekistan
- Kazakhstan
- Vietnam



# ТРИНИТИ ИНЖИНИРИНГ

**Sector:** Energy-efficiency  
and energy security

**Product line:** Intelligent systems and  
devices for fault detection and  
localization in power transmission lines.



<https://trinity-sk.ru/>



Sk

**Trinity Engineering**, a Skolkovo resident and part of the ANTRAX group, develops patented software-hardware systems for monitoring and managing power grids.

Focused on fault detection in overhead and underground lines, Trinity's solutions are deployed in 28 countries across distribution utilities, generation plants, hydro and nuclear power stations, and mining industries

## KEY FEATURES & BENEFITS

- KOMORSAN system;
- A-Signal device;
- Secure communications;
- End-to-end industrial production.

## FORMS OF COOPERATION

Distribution utilities, generation companies, substation operators, EPC contractors, system integrators, and SCADA equipment manufacturers.

## GLOBAL MARKET PRESENCE:

- The UAE

## KEY TARGET MARKETS:

- Belarus
- Indonesia
- The UAE
- Peru
- Saudi Arabia
- Philippines





# DRIVE

in tech

**Sector:** Energy-efficiency  
and energy security

**Product line:** Integrated IDE for rapid  
development of PLC, SCADA, and web  
applications – RIVG.



<https://driveintech.ru/>



**DriveInTech (InDrive)** is a Skolkovo-based IT developer founded in 2020, delivering software and smart instrumentation for oil & gas service and civil-construction sectors. Through R&D and reverse engineering, the company provides turnkey solutions, including a unified web portal and SCADA control systems to optimize field operations.

## KEY FEATURES & BENEFITS

- Cross-platform IDE for PLC, SCADA, and web solution development on Russian-made controllers;
- Rapid 24/7 code generation tailored to oilfield services;
- Real-time network monitoring;
- Modular system with versatile solutions.

## GLOBAL MARKET PRESENCE:

- Russia

## FORMS OF COOPERATION

Oil & gas companies, service and engineering contractors, construction and municipal enterprises, SCADA/PLC system integrators.

## KEY TARGET MARKETS:

- Middle East
- Latin America
- Africa



**Sector:** Energy-efficiency  
and energy security

**Product line:** Residential autonomous  
backup power and energy-flow  
management system.



<https://www.volts.world/>



**VOLTS (since 2017)** offers smart energy storage systems for homes, apartments, and industrial facilities. The autonomous, fuel-free BESS switches in just 0.01 seconds during outages or voltage fluctuations and is controlled via a mobile app. It ensures backup power, voltage stabilization, and seamless integration with grid and solar input .

## KEY FEATURES & BENEFITS

- Instant backup;
- Fuel-less autonomy;
- Smart energy algorithms;
- Mobile monitoring & control.

## FORMS OF COOPERATION

Private clients, Business Partners,  
Government Initiatives.

## GLOBAL MARKET PRESENCE:

- Russia
- The UAE
- Nigeria
- Sweden
- Germany

## KEY TARGET MARKETS:

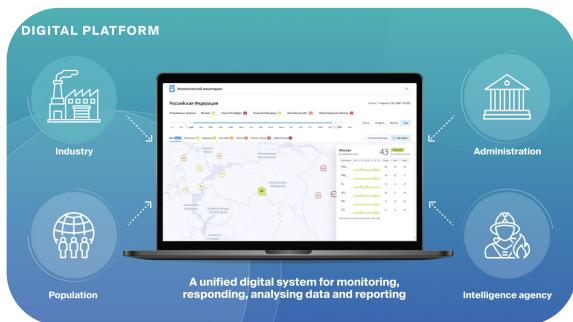
- Middle East
- Asia
- Africa
- China
- The CIS

**Sector:** Energy-efficiency  
and energy security

**Product line:** A comprehensive  
waste-management lifecycle platform:  
modeling, BI analytics, logistics,  
site-cleaning control, and flow tracking.



<https://big3.ru/en>



**Big Three LLC (founded in 2015)** is Russia's leading full-cycle digital solutions provider for waste management. They have developed federal IT systems and electronic models of territorial waste schemes, implemented in over 70 Russian regions. Holding 100+ international licenses, certificates, and patents, the company offers platforms for managing construction, industrial, and medical waste, as well as digital ecology tools .

## KEY FEATURES & BENEFITS

- Industry forecasting & modeling;
- Business process automation;
- Smart Waste aggregator;
- Geo-visualization & BI dashboards.

## FORMS OF COOPERATION

Government Initiatives, companies  
with needs for ERP systems and  
transport management systems  
(waste management, logistics etc.)

## GLOBAL MARKET PRESENCE:

- The UAE

## KEY TARGET MARKETS:

- Africa
- Central, South  
and South-East  
Asia
- South  
America
- Middle  
East



# ecopoint

Ecology. Technologies. Business.

**Sector:** Energy-efficiency  
and energy security

**Product line:** AI-powered reverse  
vending machine for automated  
recyclable intake and cashless rewards.



<https://ecopoint.tech/en>



**EcoPoint**, founded in 2019, develops, manufactures, and operates intelligent reverse vending machines (RVMs) equipped with proprietary AI-driven recognition. They automatically accept PET bottles, aluminum cans, glass, and waste paper with 95–97% accuracy, guard against fraud, and dispense rewards via instant bank transfers .

## KEY FEATURES & BENEFITS

- AI-based recognition at 95–97% accuracy;
- Multiple form factors;
- Bulk intake capability;
- Compact & efficient design.

## GLOBAL MARKET PRESENCE:

- Russia

## FORMS OF COOPERATION

Government Initiatives, distributors,  
customers.

## KEY TARGET MARKETS:

- China
- MENA countries
- Latin America
- The CIS

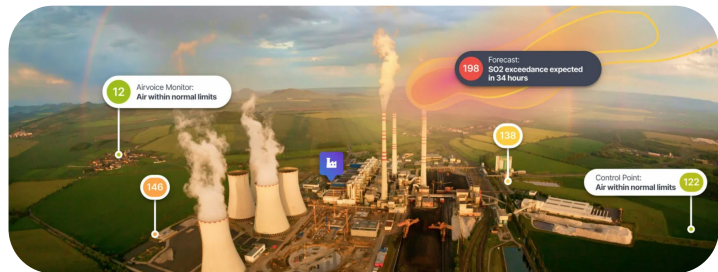
# airvoice

**Sector:** Energy-efficiency  
and energy security

**Product line:** AAVMS - integrated air  
quality monitoring and decision-support  
platform combining hardware, software, and  
AI.



<https://airvoice.global/>



**Airvoice** is a cleantech company building a new generation of tools to manage air quality and environmental impact across buildings, urban areas, and industries. Its core solution – the Airvoice Air Value Management System (AVMS) – provides high-resolution air data collection, modeling, and visualization. With a mission to make air quality transparent and actionable, Airvoice supports informed decision-making for communities globally.

## KEY FEATURES & BENEFITS

- Modular platform combining sensors, software, AI, and cloud-based tools;
- Real-time air quality mapping, modeling, and forecasting;
- Advanced visualization;
- Tailored solutions for cities.

## FORMS OF COOPERATION

Large-scale industry that has an impact on the environment in the city, municipalities that care about the environment and the health of citizens.

## GLOBAL MARKET PRESENCE:

- India

## KEY TARGET MARKETS:

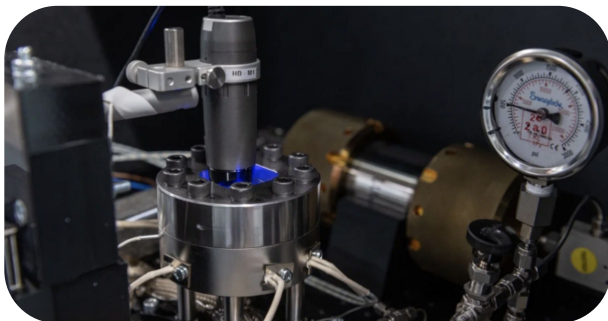
- Russia
- CIS (Kazakhstan)
- India

**Sector:** Energy-efficiency  
and energy security

**Product line:** Microfluidic Setup –  
innovative HPHT microfluidic solutions.



<https://www.labadvance.net/>



**LABADVANCE** is a Russia-based technology company providing cutting-edge microfluidic solutions for the energy sector, particularly oil & gas. Its core product is a microfluidic laboratory that allows fast and accurate PVT experiments, phase behavior modeling, and fluid compatibility tests (e.g., for EoS tuning or frac fluid optimization) using minimal sample volumes. The system reduces testing time from weeks to hours and is used by energy companies, research labs, and universities worldwide.

## KEY FEATURES & BENEFITS

- Fluid sample volumes as low as 50 nanoliters;
- Realistic modeling of reservoir pressure and temperature;
- Automated image capture and AI-driven interpretation.

## GLOBAL MARKET PRESENCE:

- The CIS
- China
- Middle East

## FORMS OF COOPERATION

Representatives of: Oil industry, Chemical industry, Environmental monitoring, Food industry, Biomedicine, Cosmetology, PCR testing, Molecular diagnostics, Microlab research.

## KEY TARGET MARKETS:

- India
- Asia
- Latin America
- South Africa



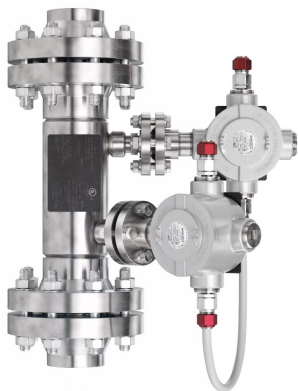


**Sector:** Energy-efficiency  
and energy security

**Product line:** Multiphase flowmeter for  
real-time measurement of oil, water, and  
gas.



<https://qualitetsystem.ru>



**Qualitet System** offers a cutting-edge multiphase flowmeter that enables accurate, real-time measurement of oil, water, and gas within a single pipeline. The device is capable of operating across a broad range of flow conditions, including high gas or water cut. It is suitable for individual wellheads, group metering units, test separators, and challenging operational environments.

This solution simplifies measurement infrastructure, eliminates the need for separate sensors for each phase, and delivers continuous, real-time data for operational efficiency.

## KEY FEATURES & BENEFITS

- Simultaneous measurement of oil, water, and gas;
- Real-time monitoring without the need for sampling;
- Fully certified for safety and metrology (IECEX, ATEX, ISO 9001 TÜV).

## GLOBAL MARKET PRESENCE:

- The UAE
- Republic of Belarus
- Saudi Arabia

## FORMS OF COOPERATION

Oil & Gas production and O&G service companies.

## KEY TARGET MARKETS:

- Middle East and North Africa

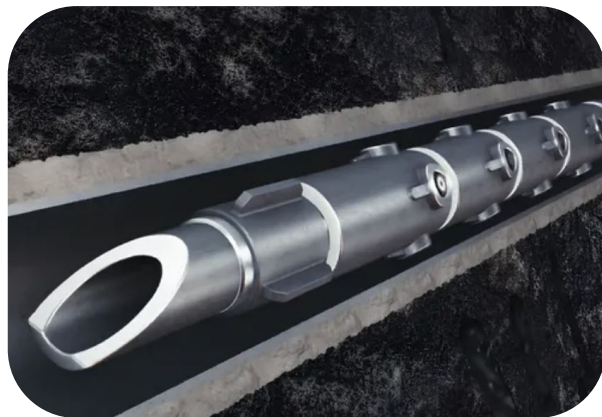
# OilTec

**Sector:** Energy-efficiency  
and energy security

**Product line:** Non-explosive hydro-slotted  
perforation system integrated with on-trip  
hydraulic fracturing and acidizing  
capabilities.



<https://oiltec.pro/>



Sk

**OilTec** provides a high-tech solution for non-explosive perforation of wells using hydro-slotted perforators, followed by hydraulic fracturing and acidizing—all in a single trip by the well workover team. This method eliminates explosives, preserves casing integrity, and allows multiple perforations in one run while streamlining stimulation, resulting in significant time savings, enhanced safety, and improved well productivity.

## KEY FEATURES & BENEFITS

- Non-explosive perforation using hydro-slotted technology (water only);
- Multiple perforations and stimulation phases in a single trip;
- Reduced cement damage and enhanced injectivity.

## GLOBAL MARKET PRESENCE:

- Egypt

## FORMS OF COOPERATION

Oil and gas companies, oil service companies.

## KEY TARGET MARKETS:

- Middle East
- Africa
- South America



**Sector:** Energy-efficiency  
and energy security

**Product line:** Dynamic Power  
Management and Redistribution System.



<https://kvitter-emobility.ru/en>



The **DPMS** software-hardware platform offers an energy-efficient and scalable approach to EV charging infrastructure, especially suited for locations with limited available electrical capacity. The system dynamically balances the power load across multiple charging stations, removing the need for costly grid upgrades.

## KEY FEATURES & BENEFITS

- Dynamic load distribution between charging stations;
- Scalable architecture;
- Reduced infrastructure costs;
- Fully localized.

## GLOBAL MARKET PRESENCE:

- Russia

## FORMS OF COOPERATION

Residential real estate developers, also retail and business estate developers and service companies.

## KEY TARGET MARKETS:

- Middle East
- Africa

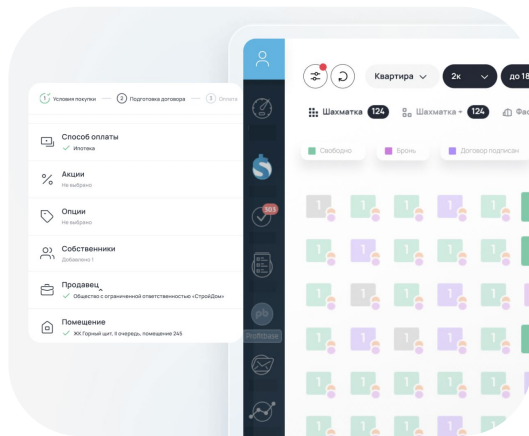


**Sector:** Energy-efficiency  
and energy security

**Product line:** Integrated real estate  
developer ecosystem: CRM, marketing,  
online sales, dynamic pricing and analytics.



<https://profitbase.ru/>



**Profitbase** is a leading Russian PropTech platform offering end-to-end real estate sales management – from lead capture and CRM to smart catalogs, online booking, e-registration, and key handover. Trusted by over 500 developers (e.g., MR Group, PIK, Etalon, SETL) and implemented across 600+ projects in 17 countries.

The company drives digital transformation through the DigitalDeveloper.ru portal, research initiatives, and industry accelerators like BuildUp (Skolkovo).

## KEY FEATURES & BENEFITS

- Unified CRM ecosystem;
- Dynamic pricing engine (Profitbase.ai);
- Digital transaction suite;
- Proven ROI.

## FORMS OF COOPERATION

Developers in the field of construction,  
real estate agencies.

## GLOBAL MARKET PRESENCE:

- Russia

## KEY TARGET MARKETS:

- Belarus
- Kazakhstan
- Kyrgyzstan
- Uzbekistan
- Indonesia





**Sector:** Energy-efficiency  
and energy security

**Product line:** Interactive 3D sales and  
visualization tool for real estate developers.



<https://graffestate.ae/>



**GRAFF.Estate** is an interactive platform that allows developers to present residential complexes using immersive 3D graphics. It helps boost and speed up apartment sales by engaging users and providing detailed project data. Founded in 2018, the company has delivered 40+ projects in Russia and 8 internationally. It operates a UAE office and was named Best IT Solution at Skolkovo's Build UP accelerator in 2023.

## KEY FEATURES & BENEFITS

- Full 3D visualization of real estate projects;
- Interactive unit selection with live data;
- Integration with CRM and developer websites.

## GLOBAL MARKET PRESENCE:

- The UAE
- Bahrain
- Saudi Arabia

## FORMS OF COOPERATION

Major real estate developers selling properties in the comfort class and higher.

## KEY TARGET MARKETS:

- Russia
- The CIS
- Middle East
- India



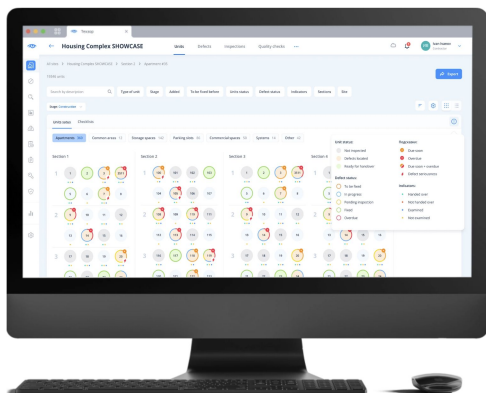


**Sector:** Energy-efficiency  
and energy security

**Product line:** Cloud-based system for  
construction supervision and warranty  
service management.



<https://tehzor.com/en>



**Tehzor** is a cloud platform that digitizes construction supervision, apartment inspections, and post-handover warranty servicing. It eliminates site chaos, enables unified defect tracking, simplifies acceptance workflows, and reduces legal disputes with contractors. With over 40 million m<sup>2</sup> onboarded, Tehzor operates in Russia, Kazakhstan and Turkey.

## KEY FEATURES & BENEFITS

- End-to-end defect tracking and audit management;
- Digital apartment handover with mobile interface;
- API integration with developer's internal systems;
- Transparent warranty and issue resolution workflows.

## GLOBAL MARKET PRESENCE:

- Kazakhstan
- Turkey

## FORMS OF COOPERATION

Construction developers, building  
managing companies,  
System integrators.

## KEY TARGET MARKETS:

- Middle East and North Africa
- Russia
- Europe
- EEU







**Sector:** Energy-efficiency  
and energy security

**Product line:** Innovative disinfectants  
and sterilization packaging.



<https://www.isen.ru/en>



**INTERSEN-PLUS** is a Russian leader in the development and manufacturing of over 78 types of disinfectants and sterilization packaging materials. Their solutions are used in hospitals, food processing facilities, public transport, and educational institutions. The company creates synergistic biocidal formulations with functional additives, effective even against highly resistant pathogens. Additionally, they produce express-test strips and antiseptic dispensing systems.

## KEY FEATURES & BENEFITS

- More than 78 product types;
- Synergistic biocidal formulas;
- International certification (ISO 9001 & ISO 13485);
- Test strips & dispensing systems.

## GLOBAL MARKET PRESENCE:

Export activities in Belarus, Vietnam, Armenia, UAE, Kazakhstan, Kyrgyzstan, China, Moldova, Tajikistan, Turkey, Uzbekistan, Philippines

## FORMS OF COOPERATION

Distributors in healthcare and hygiene, hospital procurement organizations, public sector clients, B2B/B2G/B2C partners in disinfection and infection control.

## KEY TARGET MARKETS:

- The CIS
- The UAE
- Central Asia
- South-East Asia

# RED MULE

## GENIT

**Sector:** Energy-efficiency  
and energy security

**Product line:** RedMule Integration  
Digital Platform (IDP) – secure,  
high-speed data integration solution  
for heterogeneous IT systems



<https://redmule.ru/>



**RedMule** is a no-code integration platform of GenIT company, enabling secure, transaction-safe data exchange between ERP, CRM, legacy, and custom applications. It ensures guaranteed data delivery, real-time flow monitoring, and seamless scalability. Deployed in over 22,000 retail stores, RedMule addresses integration challenges including legacy compatibility, transactional integrity, reduced maintenance, and TCO optimization.

## KEY FEATURES & BENEFITS

- No-code configuration;
- Guaranteed message delivery;
- Legacy-to-cloud compatibility;
- Lower total cost of ownership.

## FORMS OF COOPERATION

Retail chains, enterprise IT departments, government digital infrastructure projects, B2B/B2G system integrators.

## GLOBAL MARKET PRESENCE:

- The CIS

## KEY TARGET MARKETS:

- Russia
- The CIS



**Sector:** Energy-efficiency  
and energy security

**Product line:** Pulsar – AI-driven  
hardware-software system for traffic  
violation detection and road  
infrastructure monitoring



<https://sofitlabs.ru/>



**Pulsar by SOFIT** is a certified road monitoring solution that uses video analytics and artificial intelligence to detect subtle violations such as handheld phone use, unfastened seatbelts, and other complex infractions under adverse visual conditions. The system includes cameras, sensors, and back-end software and is approved for deployment on public roads. It is currently active across over 30 Russian regions via partnerships with telecoms and ITS integrators.

## KEY FEATURES & BENEFITS

- Robust violation detection;
- Multi-object tracking;
- Advanced violation scope;
- Government-certified.

## GLOBAL MARKET PRESENCE:

- Russia

## FORMS OF COOPERATION

Government customers (Ministries of Transport and Digitalization), B2G partners, system integrators in transport infrastructure and traffic safety.

## KEY TARGET MARKETS:

- India
- Middle East
- Mexico
- South Africa



# РИГИНТЕЛ



**Sector:** Energy-efficiency  
and energy security

**Product line:** Unified ecosystem for  
real-time monitoring, control, and  
optimization of drilling processes.



<https://rigintelpro.ru/>



**RIGINTEL**, a Skolkovo resident based in Perm, offers an integrated digital suite for drilling control and optimization. It includes IR-Assistant (real-time monitoring), IR-Master (automated slide drilling), IR-OperBot+ (operator task automation), and IR-Vision (live video analytics). The ecosystem speeds up drilling, improves safety, ensures process precision, and reduces human error.

## KEY FEATURES & BENEFITS

- Automated slide drilling;
- Real-time digital twin;
- IR-Vision video analytics;
- IR-OperBot+ automation.

## FORMS OF COOPERATION

Oil & gas producers, drilling  
contractors, industrial integrators,  
B2B clients seeking advanced  
automation in energy extraction.

## GLOBAL MARKET PRESENCE:

- Russia

## KEY TARGET MARKETS:

- Middle East
- Latin America
- South-East Asia

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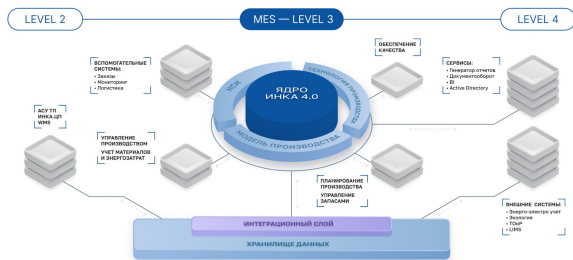


**Sector:** Energy-efficiency  
and energy security

**Product line:** INKA 4.0 – modular  
low-code/no-code industrial cyber  
platform for automation and integrated  
production management.



<https://inka.team>



**INKA 4.0** is an industrial cyber-platform developed by NITS KONSOM GROUP (Skolkovo resident) that enables no-code creation of integrated MES, ERP, SCADA, IoT, and analytics solutions for industrial enterprises. The platform serves diverse operational scales—from individual workshops to large factories. It has completed successful pilot implementations and secured initial industrial contracts, backed by Skolkovo grants.

## KEY FEATURES & BENEFITS

- Low-code/no-code UI;
- Microservices architecture;
- Rich module ecosystem;
- IT/OT integration stack.

## FORMS OF COOPERATION

Industrial customers, integration  
partners, resellers, pilot projects.

## GLOBAL MARKET PRESENCE:

- Russia

## KEY TARGET MARKETS:

- Middle East
- LATAM
- SEA

