Lanit-Tercom
smart software solutions

SMART SOFTWARE SOLUTIONS
FOR YOUR BUSINESS

1000+
successful projects

ABOUT US

250+
technical experts

1991
year of foundation
of the company on the
basis of the university

LANIT
a member of LANIT
Group of Companies

- Own IT-infrastructure

- Partner in software development in national and international projects

- Co-founder of RUSSOFT Association

- We build partnerships with universities and research institutes, organize practicums for students

Vadim Sabashny
Director LANIT-TERCOM

INDUSTRIES WE WORK IN

Metallurgical industry	Oil & Gas	Medicine & Healthcare
E-learning, adaptive & corporate learning	Research & Science	Logistics industry
Banking & Finance	Information technologies	Automotive industry and transport
Energy industry	Housing and communal services	Jurisprudence
Forest industry	Food & Agriculture	Civil services

OUR CLIENTS

kaspersky · ЕМИАС · HUAWEI · MAGNA · SIEMENS · DELL EMC · TOYOTA · ГАЗПРОМ НЕФТЬ

FOSS · SAMSUNG · MICRO FOCUS · NOKIA · CEVA · intel · SIXT · Санкт-Петербургский государственный университет

TOPCON · Disney+ · area9 LYCEUM · Mercedes-Benz · Правительство Москвы · Банк России · ACCESSDATA · ИНТЕРЛИЗИНГ

BIA Technologies · АТОМЭНЕРГОПРОЕКТ · СПб НИИИ ЭИЗ · Информационный город · СПБ ГУП ВЦКП · ГКУ ИАЦ в сфере здравоохранения города Москвы · HEALBE · CTI

OUR LATEST PROJECTS

01

Medical system with artificial intelligence for decision support and remote patient care.

Business goal: increase the profitability of the institution, effectively manage medical resources and treatment processes.

02

Project management system for hydrocarbon deposit development.

Business goal: achieving high project performance and profitability of oil and gas companies.

03

GEO AI web-platform for analyzing geoinformation data of urban infrastructure surveys.

Business goal: automation of painstaking manual work, significant acceleration of processing of new data.

04

AI-based personal finance management system.

Business goal: improving the efficiency of personal financial management and maximizing profits when investing funds.

OUR CORE COMPETENCIES

- Digital transformation

- Information systems

- Computer vision

- Artificial intelligence

- Highly loaded databases

- E-learning and medical platforms

- AR, XR

DISTRIBUTED AND WEB-SOLUTIONS

Information systems

Our services

- Development of information systems for any customer's request

- Audit of existing information systems, related business processes and business artifacts

- Integration with all necessary systems involved in production using their APIs

- Digital twins of production and business processes

- Further support of our solutions, their development and improvement

Distributed and web-solutions

WEB APPLICATION FOR SCHOOL DISTANT LEARNING

Mobile Electronic Education

Project features

- Interactive lessons for all classes: multimedia content, testing system, IMS Common Cambridge course distribution

- Electronic magazine and guest book

- Communication system: messages, chat, video conferences

- Administrative subsystem for classes, groups and content plan development

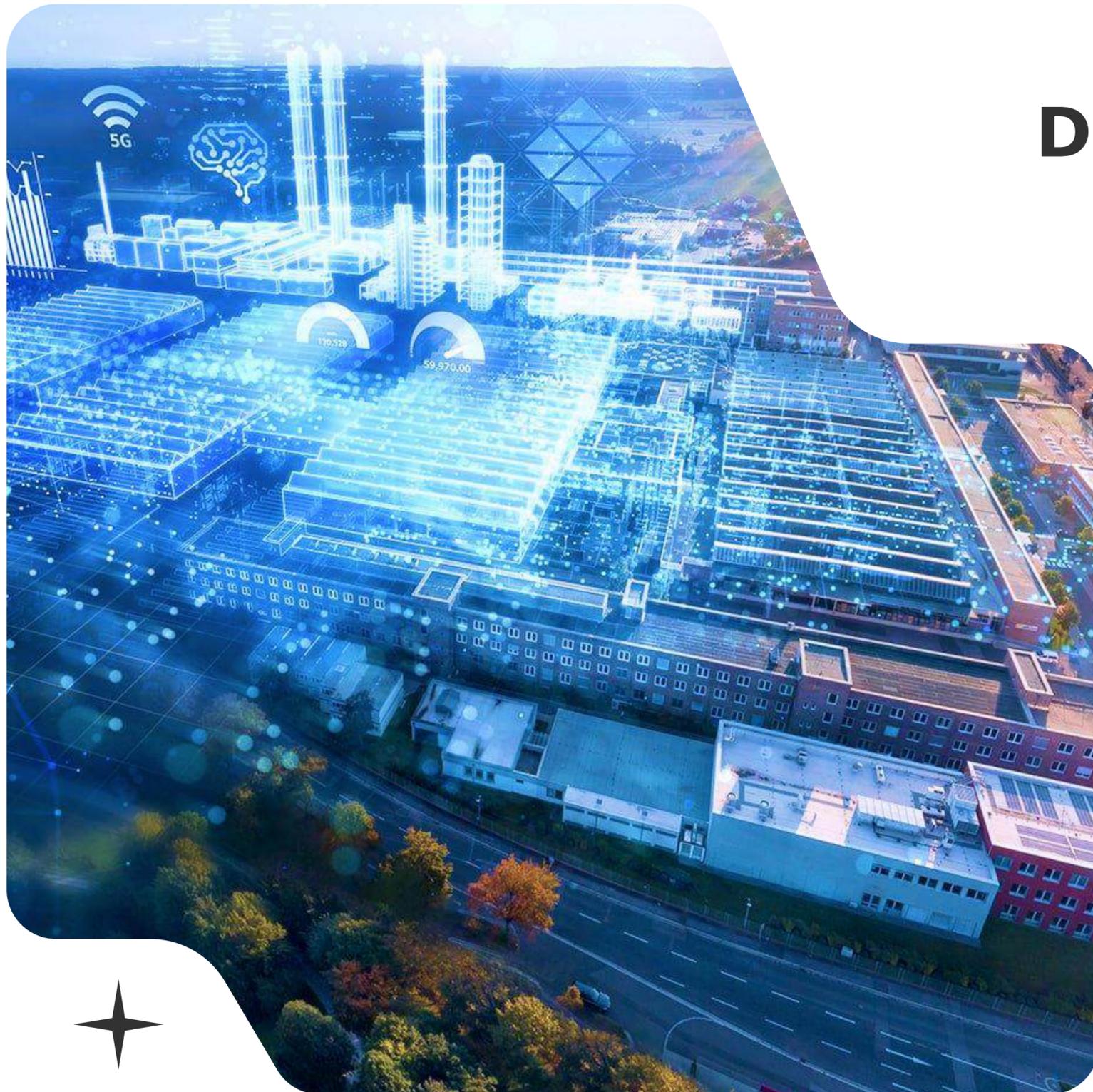- User-friendly adaptive user interface

Our expertise

- Development and implementation of adaptive learning technologies

- Digital certificate development

- Development / reassembly of adaptive courses for universities

- Automation of the entire life cycle of educational content

DIGITAL TRANSFORMATION

Digital twins

Our services

- Development of analytical instruments and systems for data processing and analysis (AI, LLM, MN, neural networks)

- IT landscape consulting

- Integrated digital platforms

- Digital twins of production and business processes

Digital transformation

DIGITAL TWIN OF SEISMIC AND GEOLOGICAL EXPLORATION

Business goal: Reduction of project cycle time

Savings during field projects and 100% of onshore exploration field projects coverage

Project features

- Digitalization of key industry upstream processes

- Operational access to statistics and analytics for all parameters, entering daily summaries, remotely or from the office

- Consolidation of 800+ historical projects

- Reduced project lifecycle time by 20%

- Significantly shorter time to analyze information, thus quality improvement of geologists' decisions

- 100% of onshore exploration field projects covered

Our expertise

- Custom software development

- Independent IT solutions

- IT landscape consulting

- Expert systems

COMPUTER VISION

Our services

- Development of computer vision systems – AI/AR/XR/ML, neural networks

- AR-assistants for various application areas, AR support (ERP integration, AR outdoor/ indoor navigation, real-time service status for continuous industrial processes, diagnostics)

- 3D-reconstruction

- Quality control systems, defectoscopy, polarization

Computer vision

DIGITAL TWIN OF PRODUCTION WITH DEFECTOSCOPY SYSTEM

Business-goal: Industrial leadership

Development of a high-tech system to reduce the amount of defects and increase the degree of manufacturing control.

Project features

- Access to objective information about defects and current state на condition in real time

- Automatic data transfer to the digital twin of the enterprise via REST API

- Tracking the status of tooling, semi-finished products, finished products, units

- Millimeter accuracy in determining the size of a defect

- Work on a hot process in aggressive environment, temperature up to 1300 degrees

- Non-stop system operation

Our expertise

- Object identification

- Defect detection and Classification System

- System for determining localization and geometric dimensions of defects

- AR support system in production

ARTIFICIAL INTELLIGENCE

Our services

- Digital twins of production and business processes with predictive analytics systems

- Expert systems based on large language models (LLM)

- Omnichannel data processing

- Digital twins of production and business processes

- Decision support systems based on large language models (LLM)

- Automatic speech recognition – recognition of audio files and conversion to text format

Artificial intelligence

INTELLECTUAL SYSTEM OF PERSONAL AND COMMERCIAL DATA CONTROL BASED ON LLM

Business-goal: Ensure security and confidentiality of the company's personal and commercial data

Save labor costs for IT department staff

Prevent reputational risks

Project features

- Analysis and structuring of heterogeneous information

- Forming categories and monitoring data based on their segmentation

- Informing users about text containing sensitive data and converting texts into a secure format

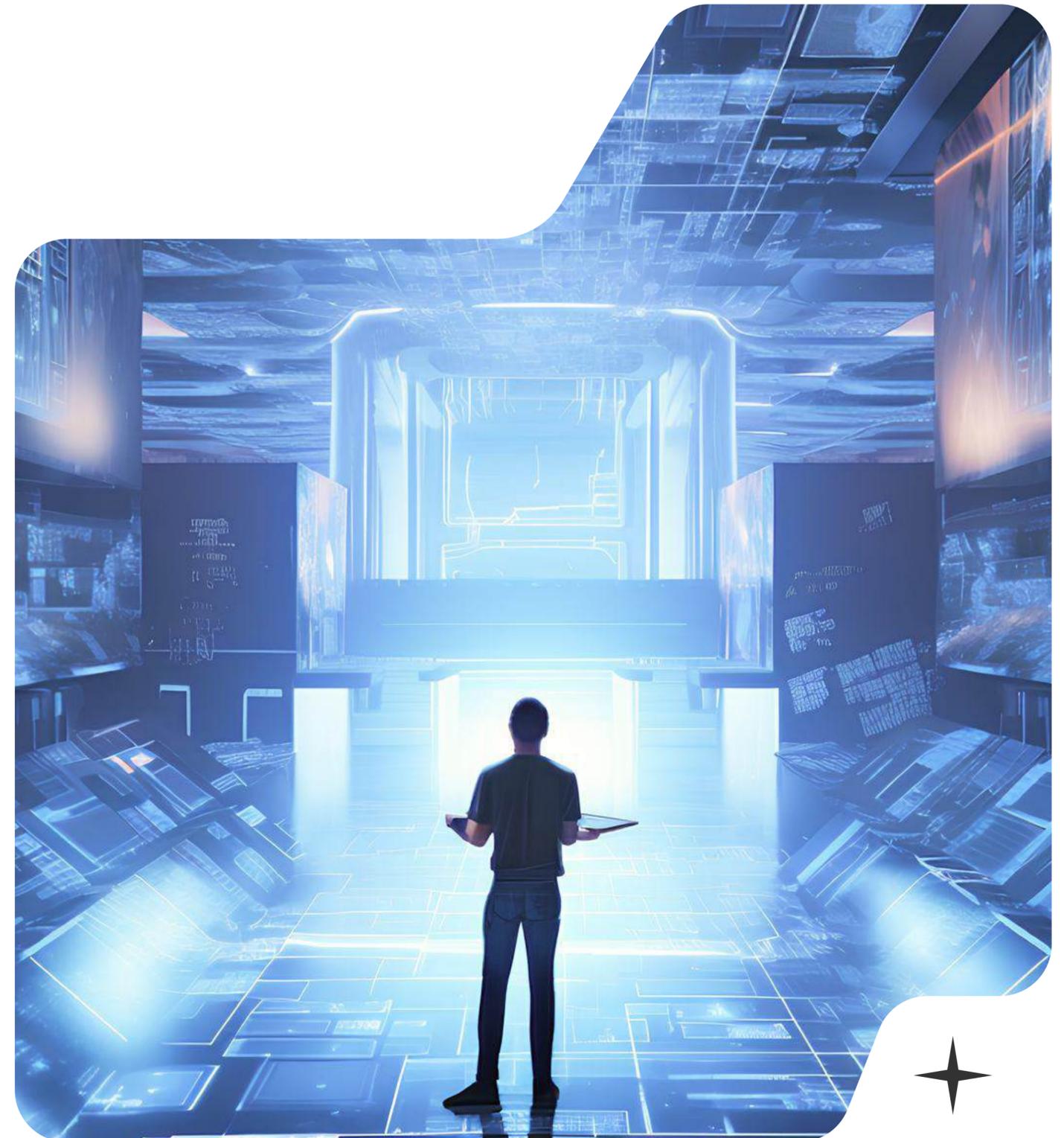- Providing options to change text to ensure data security

Our expertise

- Integration of LLM into various services

- Data verification based on LLM

- Modern approaches based on LLM – ChatGPT, Llama2, Falcon, T5, MPT, etc.

- Prompt tuning, fine tuning LLM

- High-precision systems for processing requests and generating responses

HIGHLY LOADED DATABASES

Our services

- Optimization of production capacities and increasing efficiency of existing hardware resources

- Transfer of logic to stored procedures

- Configuring security policies, backup

- Migration of databases to new versions or change of architecture, change of IT product vendor, transition to open-source stack

- Maintenance and support of IS / optimization of database and OS settings

Highly loaded databases

MAINTENANCE OF CITY-LEVEL INFORMATION SYSTEMS IN THE HOUSING AND COMMUNAL SERVICES SECTOR

Unified Information and Settlement Center of St. Petersburg

Project features

- Comprehensive maintenance of automated city-level IS (St. Petersburg): "Tenant", "Monetization of benefits", "Settlements with service providers", "Payment for non-residential premises", "Automated workplace", "Accountant's Workplace 2.0", "Housing Relations. Center of industry settlements" and "Application Platform"

- Billing of 1.5 million personal accounts

- Ensuring absolute continuity, round-the-clock access, withstanding heavy loads

Our expertise

- Development, implementation, maintenance, integration of high-load systems

- Automation of document flow, complex business processes

- Systems operating in real time

- Ergonomic user interfaces

- Implementation of access from various platforms, including the widest range of mobile devices

- Database administration

BENEFITS OF DEVELOPING IT SOLUTIONS WITH US

TURN IDEA INTO PRODUCT

- Development of desktop, mobile and web applications
- Deep expertise in various subject areas
- Cooperation with leading universities and research institutes
- Specialization on research-intensive projects
- Our portfolio: R&D, prototyping, MVP, replication and support

PROVIDE TRANSPARENT CONTROL

- Dedicated development and support teams
- Personal communication with each specialist

OPTIMIZE THE CODE AND GO TO NEW TECHNOLOGIES

- Open-source
- Proprietary algorithms
- AI, AR/XR, computer vision
- Advanced development methodologies, databases and programming languages
- Re-engineering and migration of existing solutions to the new stack
- Experience in the full technology development cycle

OVER THE YEARS, WE'VE BEEN PERFECTING THE "IT" TEAM

- The average length of time an employee has been with the company is 5+ years
- 25% of employees have been working together for 10+ years
- Flexible work and education processes

FLEXIBILITY AND SCALABILITY OF TEAM BUILDING

FROM TIME&MATERIAL AND FIXED PRICE TO RETAINER AND OUTSTAFF

WE FIND EXPERTS FOR SPECIFC TASKS AND ESTABLISH LONG-TERM DEVELOPMENT CENTERS

We use different methodologies to meet the needs of a particular project:

- We are based on Agile approach, including different modifications of SCRUM.

- We work according to the client's methodology, using it without changes or offering edits to work according to the outsourcing model.

Priority of automation — regression testing, smoke testing, nightly builds.

12 YEARS
THE LONGEST RUNNING PROJECT

UP TO 100
EXPERTS INVOLVED IN 1 PROJECT

OVER A MILLION
MAN-HOURS

LANIT GROUP
OF COMPANIES

- **The leading** multidisciplinary IT group in Russia and the CIS group **of IT companies**

- Established **in 1989**

- **Partner of more than 280 global manufacturers** of equipment and IT solutions

- Representative offices and sales **support throughout Russia**

- **LANIT team** includes **14500 people**

- Among the **TOP 50** best domestic employers according to **HeadHunter rating** 2023

LANIT provides full complex of it services:

Development and implementation of own products

Development of government and corporate systems

Business applications and dedicated software

Infrastructure and engineering systems

Service and teaching

Sales of equipment and software

ЛАНИТ

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