The Technoserv Group possesses the wide range of skills necessary for the top-quality implementation of high-tech projects for customers in different industries.

Technoserv Group provides the wide range of services to implement high-tech projects for customers in different industries. Technoserv is the largest Russian system integrator operating in Russia, the CIS and Europe, founded in 1992. The revenues of Technoserv Group in fiscal 2015 totaled more than 51.8 billion rubles. The headquarters is located in Moscow, regional offices are situated in Khabarovsk, Krasnodar, Nizhny Novgorod, Novosibirsk, St. Petersburg, Vladivostok, Volgograd and Yekaterinburg, subsidiaries in the CIS are in Almaty, Baku, Yerevan, Minsk and Tashkent. The number of Technoserv’s employees exceeds 2700.

Business priority of Technoserv is implementation of socially significant projects in the field of installation, developing and outsourcing of IT infrastructure, communications, engineering and information security systems, power systems and application platforms. Technoserv’s competencies include IT consulting, business intelligence systems, support and outsourcing. Technoserv Group implements and develops engineering and IT systems based both on its own technological developments and solutions of the global leaders, including APC by Schneider Electric, Avaya, Cisco Systems, Dell EMC, Hitachi Data Systems, HPE, HP Inc, Huawei, IBM, Juniper Networks, Microsoft, Oracle, VMware, etc.

Technoserv is the largest Russian system integrator (IDC research). According to the leading Russian IT analytical agency CNews Analytics, Technoserv is the leader in integrated projects of data centers construction, implementing of IT infrastructure in Russia. Technoserv ranks in TOP-5 Russian IT companies in 2015 (TAdviser Report, CNews Analytics, Kommersant Dengi).

The company’s client list comprises major Russian companies and organizations from key sectors of the economy, including telecommunications, the public sector, oil and gas, manufacturing, transport and financial services.

Among the customers of Technoserv are Russian Railways, Mobile TeleSystems, Vimpelcom, Rostelecom, Sberbank and others.
TECHNOSERV
Technoserv provides turnkey solutions in the field of information and communication technologies. With deep expertise and wide competencies Technoserv offers comprehensive integration services to ensure maximum business effect for the customers.

The company provides a full range of services at all stages of the life cycle of IT systems: technology audit, design, implementation, service support and outsourcing.

Over the years, Technoserv implemented several thousand of projects in various sectors of economy: for telecommunications companies, federal and regional government agencies, commercial, industrial and transport enterprises, financial institutions.

TECHNOSERV CONSULTING
The company's main area of activity is implementation of consulting projects aimed at increasing operating efficiency at major financial, telecommunications, transportation, manufacturing enterprises, public services, security agencies and retail companies.

Technoserv Consulting combines expertise in the field of management consulting and implementation of business applications, covering all levels of enterprise operation and management.

Technoserv Consulting has an integrated approach to make the best offers for the customers based on wide expertise and many years of experience – from development of business strategy up to implementation of solutions automating all aspects of business.
Each company of Technoserv Group has deep expertise in its field, making collaboration on large-scale integration projects provide a synergistic effect for customers.

**TECHNOSOFT**
Technosoft is a developer of application software. The main objective of the company is development and market launch of ready-made software products for industrial markets, as well as provision of technical support services and maintenance of these solutions.

The company’s portfolio includes dozens of products for telecommunications companies and transport enterprises, industry and energy sector, government agencies, financial institutions and law enforcement agencies.

Technosoft is based in the R&D center of Technoserv in Skolkovo innovation center. An important business vector of the company is import substitution in the information and communication technologies.

**REKSOFT**
Reksoft provides software development, support and testing services. Reksoft has been operating in the field of IT services since 1991 and has implemented over 1000 projects which involved software development and support for well-known Russian companies such as Ozon and Assist.

Experience of Reksoft as well as a unique engineering expertise and a quality management system certified to ISO 9001:2008 and CMMI (Level 5) provide a high performance custom software development.
Technoserv Group provides high-end solutions and services in the field of information technologies, system integration and business consulting for large companies.

**CLOUD SOLUTIONS**
- Test environment management;
- SaaS, IaaS, PaaS implementation;

**CLOUD SERVICES**
- Virtual Server (VDS);
- Virtual DC (VDC);
- Corporate Mail Service;
- Service Desk and ITSM automation.

**“SAFE CITY” HARDWARE AND SOFTWARE COMPLEX**

**MANAGEMENT SYSTEMS**
- Enterprise Data Warehouse (DWH);
- Verification and Data Loading (ETL);
- Big Data: HADOOP;
- Hierarchical Management System.

**SOFTWARE DEVELOPMENT**
- Software Concept Development;
- Software Systems Development;
- Software Systems Modification and Adaptation;
- Software Development, Testing and Support Outsourcing;
- Software Lifecycle Management;
- Application Software of Proprietary Development.

**INFORMATION INFRASTRUCTURE**
- Computing Platforms;
- Data Storage Solutions;
- Data Backup;
- Data Archiving;
- Software Solutions for Applications Protection;
- Computing Infrastructure Virtualization;
- Servers and Workstations Management;
- Workstations, Thin Clients, Mobile Workstations;
- Database Management Systems.

**DATA CENTERS**
- Data Centers Turnkey Implementation;
- Modular Data Center;
- Modular Physical Security Room;
- Modular Mini–Data Center (Protection Sales);
- Certification of Data Center for Compliance with the Uptime Institute classification;
- Systematic Technical Support of IT Systems.

**ENGINEERING INFRASTRUCTURE**
- Power Supply Systems;
- Waste Heat Recovery Systems;
- Microturbines;
- Electric Equipment;
- Uninterruptible Power Systems;
- Structured Cable Networks;
- Ventilation, Air Conditioning, Refrigeration;
- Automated Monitoring (Dispatching) of Engineering Infrastructure;
- Container Systems;
- Engineering Systems of Buildings;
- Data Centers Engineering Infrastructure.
Over the years, Technoserv implemented several thousand projects in various sectors of the economy.

CORPORATE TELECOMMUNICATIONS
- Corporate Data Networks;
- Corporate Telephony;
- Unified Communications;
- Wireless Networks;
- Multimedia Solutions;
- Videoconferencing;
- Telepresence;
- Contact Centers;
- Situational and Control Centers;
- Warning Systems;
- IPTV Systems;
- Digital Signage Systems.

INTEGRATED SECURITY
- Biometric Identification Solutions “Cascade”;
- CCTV;
- Automated System of Intelligent Video Surveillance Argus TS™;
- Radar System of Perimeter and Territory Protection;
- Information Security Systems.

MONITORING SYSTEMS
- Fault Management;
- Performance Management;
- Problem Management;
- Service Quality Management;
- Service Desk;
- Umbrella Monitoring of IT infrastructure and Business Processes.

BUSINESS PROCESS AUTOMATION
- Enterprise Resource Planning Systems;
- Customer Relation Management Systems;
- Business Process Management Systems;
- Enterprise Content Management Systems;
- Business Intelligence Systems;
- Consulting Services.

INDUSTRIAL AUTOMATION
- Integrated Architecture of Production Management Information Systems;
- Additive technologies;
- After-Sales Service of Complex Products;
- Disaster Recovery Plan (DRP).

MEDICAL EQUIPMENT
- Diagnostic Equipment;
- Anesthesiology and Reanimation Equipment;
- Surgical and Endoscopic Equipment;
- Obstetrical and Gynecological Equipment;
- Laparoscopic Equipment;
- Perinatal Equipment;
- Cancer Equipment;
- Physiotherapy and Rehabilitation Equipment.

SERVICE AND OUTSOURCING
- Service and Support;
- Maintenance and Operation;
- IT Outsourcing and Managed Services;
- Professional Services;
- Complex IT Outsourcing Services.
Technoserv provides a wide range of services the field of professional services and IT outsourcing, from technical support of hardware and software, information and telecommunication engineering systems up to outsourcing of IT infrastructure management and cloud services.

Technoserv has the strongest at the market team of technical specialists and expert consultants in the field of IT service management. With the highest partner statuses of the world and local leaders of the IT market, Technoserv is able to provide convenient conditions of cooperation for the customers.

Priority of service business of Technoserv is optimization of IT functions and processes of the customer in terms of operating efficiency, transparency, minimization of costs and risks.

Many years of experience in implementing large-scale service projects, deep industry expertise, availability of certified specialists and advanced practice of project management allow Technoserv to provide management services for whole segments of the IT landscape of the customer, to serve as a «single window» and to coordinate an activity of a set of functional IT contractors.
Technoserv's range of solutions covers all key sectors of the Russian economy. Technoserv provides tools for business process optimization at large industrial facilities and the improvement of general industry performance.

Technoserv's experience in managing large, complex and geographically distributed projects, combined with a unique financial modeling methodology, allow the company to deploy integrated solutions that deliver value from day one.

Technoserv Group offers solutions and services developed in accordance with industry specification of the customers.
Technoserv works in the telecommunications market since 2001. The company has established cooperation with all major telecommunications operators of federal and regional level, offering decisions of a wide range of issues related to the technical support of their core business.

Today Technoserv offers a complete range of infrastructure equipment, integrated solutions for multi-service networks and application platforms, realization of large-scale projects and effective schemes of cooperation, taking into account the features of a dynamic communications market.

Technoserv has significant experience in implementing solutions for telecom operators and service providers based on the products of the leading vendors, has a high level of expertise in the field of telecommunications technology and deep understanding of IT infrastructure and business needs of telecommunications companies.

Since 2005, Technoserv develops the practice of OSS/BSS systems and has its own team of developers of integrated solutions. For a number of expertise areas the OSS team of Technoserv is unique in Russia.

Technoserv has an extensive portfolio of VAS solutions and deep expertise in design, development and implementation of VAS platforms. The opportunities for customization and adaptation of VAS-solutions proposed by Technoserv allow operators to react flexibly to market needs and quickly provide additional services both in traditional telecom sector and in Over the Top (OTT) segment.

To ensure safety of management systems, network security and fraud prevention Technoserv implements comprehensive and specialized information security systems.

Taking into account the increasing demand for information security services for the end users Technoserv implements advanced solutions for content filtering, mobile devices control and other advanced services for all categories of subscribers.

Technoserv offers a wide range of services for technical support and proactive service for the prevention, early detection and rapid elimination of failures of computing and networking equipment. Service solutions are aimed at ensuring the smooth functioning of individual systems and infrastructure of service provider in general and are intended to minimize the business risks associated with the performance of the equipment. Also, Technoserv provides outsourcing services, including the whole range of operation, maintenance and development of IT and network infrastructure, or its individual segments.

"The new Data Center creation became the TOP goal for us during the Tele2 active business growth period. The DC allows us to develop the IT infrastructure and to increase the number of IT systems aimed at automation and optimization of cellular operator’s business processes. Power increase and computer systems fault tolerance development in Tele2 would provide the correct DC operation work in the period of high load in billing and network management systems."

O. Mordkovich
CIO, Tele2 Russia
Key solutions and services for telecom operators:
• Automatic Optimization of Radio Networks (SON);
• Customization, Testing and Certification of Subscriber Devices (CDMA, GSM phones, ADSL modems);
• Network and Telecommunication Infrastructure (SDH, DWDM, NGN, IP/MPLS networks, radio relay equipment, monitoring and management systems, etc.);
• Infrastructure Equipment for GSM Networks, SC, CDMA, UMTS;
• Mobile backhaul, BRAS;
• Computing Infrastructure, Data Centers, Modular Data Centers;
• OSS/BSS;
• Value Added Services Platforms (VAS);
• Application Development;
• Signaling Traffic Management;
• Traffic Management;
• Policy and Charging Rules Function;
• Service Quality Management and Customer Experience Management;
• Network Optimization Models;
• Turnkey Solution for Managing the Construction of Broadband Networks;
• Information Security Systems;
• Service and Outsourcing.
Technoserv is one of the largest suppliers of information technologies to the public sector in Russia and the CIS.

Extensive expertise and experience of Technoserv in the implementation of complex projects of federal scale is widely used in the process of informatization of the state structures in Russia and the CIS. Among the customers of Technoserv are Ministry of Internal Affairs of the Russian Federation, Federal Migration Service of Russia, Federal Service for State Registration, Cadastre and Cartography of Russia, Federal Service for Hydrometeorology and Monitoring of the Environment of Russia and other ministries and institutions.

Technoserv actively develops its cooperation with the public authorities, develops and implements high-tech solutions to increase the effectiveness of interagency cooperation, government services and public functions. Key priorities of Technoserv in the public sector are implementation of complex federal programs such as “Safe City”, “System-112”, “ERA-GLONASS”, technical re-equipment of law enforcement agencies, ensuring transparency of public authorities and providing citizens with access to electronic public services.

With a view to increase the efficiency of project implementation in the public sector, Technoserv developed a number of turnkey solutions, designed for implementation with minimal preparation procedures. This approach allows not only to reduce the timing of the project, but also to optimize the cost of the works. Turnkey solutions are based on own developments of Technoserv, which have already demonstrated their effectiveness in operation in public agencies.

Key solutions and services for public agencies:
- Helios TS-112 Platform (turnkey solution to create System-112);
- Complex Systems of Regional and Municipal Management;
- Biometric Identification Solutions “Cascade”;
- Automated System of Intelligent Video Surveillance Argus TS;
- Situational Centers;
- Application Development and Integration;
- Information Portals;
- Geographic Information Systems;
- Computing Infrastructure;
- Telecommunication Infrastructure;
- Geographically Distributed Video Conferencing Systems;
- Information Security Systems;
- Decision Support Centers.

"Today the automated information system “State Forest Register” is the most important branch system, providing methodological unity and common database of account credentials on a national scale. And thus it became the first system operating up to the level of forestry. Despite the huge number of methodical, organizational and technological issues that had to be addressed when creating a system as well as the repeated change of legal and methodological framework, this large-scale and complex project was implemented in a short time.”

Y. Dmitriev
Deputy Head of the Federal Forestry Agency
With significant experience in the financial sector, Technoserv develops and implements complex solutions to optimize investments, improve competitiveness and quality of services of financial institutions.

In order to reduce the costs of launching new banking services and reduce operational risks Technoserv offers a solution for automated creation and management of test environments, which allows to pre-elaborate all the changes that will be made in key information systems and hardware of the bank. The solution of Technoserv greatly simplifies the process of creating test environments and reduces its duration several times, as well as provides the most efficient use of hardware resources to deploy the test environments.

Working with hundreds of IT systems, the bank must be able to continually monitor their compliance with business requirements. Technoserv offers a system of business monitoring that allows business to obtain information on the work of IT resources. This solution works on all levels from IT infrastructure up to business services, and provides the managers with the ability to control functioning parameters of systems through a web portal and business reporting. In addition to the continuous monitoring of the quality of services and resources, the system acts as a proactive monitoring to detect possible negative trends before they begin to have an impact on business performance.

Technoserv offers solutions to automate the processing of loan applications (“Credit Factory”), creation of electronic archives, data management and consolidation of all primary documentation generated in automated business applications. The data management platform Technoserv Object Archive (TSOA), own development of Technoserv, can significantly improve the speed and efficiency of document processing and provides a transition to paperless workflow for simultaneous operation of tens and hundreds of thousands of users.

Considering specificity of the financial sector, Technoserv offers a range of solutions aimed at improving the quality and speed of servicing, maintaining high customer loyalty. Particular attention Technoserv pays on security of banking information systems and personal data of customers, offering integrated solutions for the protection of confidential data. Also, Technoserv successfully solves the problem of fraud prevention in the banking sector, using its own developments in the field of biometric identification. For example, to identify the forgery of documents in the process of lending to individuals Sberbank of Russia uses a solution of Technoserv that in real time analyzes the physical features of the applicant in compliance with photos of customers who previously received loans.

"High-quality and quick solution to improve IT infrastructure of the bank allows us to pursue further cooperation with Technoserv Group as a reliable and trustworthy partner in the implementation and support of IT solutions."

S. Rusanov
Member of the Board,
Director of Banking and Information Technologies Department, VTB24 Bank
Key solutions and services for financial organizations:
- Test Environments;
- Business Monitoring Systems;
- Electronic Archives and “Credit Factory”;
- Backup and Data Recovery Systems;
- BigData and Corporate Storage Systems;
- Application Development and Integration;
- Fraud Prevention Systems;
- Information Security Systems;
- Computing Infrastructure and Data Centers;
- Engineering Infrastructure;
- Telecommunication Infrastructure;
- Contact Centers;
- HR Management Systems.
TRANSPORT

During the years of cooperation with the leaders of the Russian transport industry Technoserv implemented dozens of projects that contributed to the dynamic development of customers’ business.

The history of Technoserv is inseparably linked with the transport industry. In 1993, the company started its first project with the Ministry of Railways and actively participated in the modernization of the software and hardware systems in order to transfer basic railway management systems to advanced high-performance equipment. Technoserv implemented dozens of projects for the development of railways computing centers, improve the quality of asset management, automation, traffic control. Integrated solutions of Technoserv provided the technological basis for a comprehensive reform of the railway sector in Russia.

Technoserv also cooperates with the leading air carriers, implementing complex projects for implementation of innovative technologies. So, a fully functional situation center was created for Aeroflot – Russian Airlines. The center, which is unique in the domestic civil aviation, provides maximum opportunities to prevent failures in the airline operation and respond to potential emergency situations.

To provide disaster recovery of information systems of Aeroflot, Technoserv built a recovery data center based on modular technology. Using a turnkey engineering solution enabled to implement the project in record time. The prospect of this technology and the benefits obtained by Aeroflot were highly appreciated by the professional community: the project won CNews Awards 2013 in the category “High-Tech Data Center of the Year”.

Key solutions and services for transport enterprises:
- Enterprise Resource Planning Systems;
- Customer Relation Management Systems;
- Geographic Information Systems;
- Logistics Automation;
- Enterprise Content Management Systems and Digital Archives;
- Integrated Security Systems;
- Engineering Infrastructure;
- Telecommunications Infrastructure;
- IT and Business Monitoring Systems;
- Application Development and Integration;
- Data Centers;
- Situational Centers.

“Aeroflot continuously improves the processes of passenger service, reaching more and more high-quality service, and also seeks to contribute to the development of Russian civil aviation. Operating under the highest international standards, we are introducing technological innovations that tomorrow can be a tool for the work of all Russian airlines. Thus, cooperation with Technoserv has allowed us to increase the efficiency of business management and create the first in national civil aviation full-featured Situation Center, which has become a key element of infrastructure for preventing failures and respond to possible emergency situations.”

V. Savelyev
CEO, Aeroflot – Russian Airlines
Having a unique experience in implementing complex and large-scale projects and a deep understanding of trends in the industry, Technoserv successfully solves the problems of energy efficiency, automation, reliability and safety of the fuel and energy enterprises.

Technoserv offers a wide range of services for the construction and re-equipment of fuel and energy facilities, design and creation of independent power systems for complete power supply of oil and gas exploration and transportation system.

Technoserv contributes to the modernization and development of the fuel and energy sector in Russia and CIS, carrying out projects for construction of generating capacity, automation of industrial processes, comprehensive modernization of enterprises’ infrastructure, and as a consequence, improve the overall business performance.

Technologies offered by Technoserv are effective to solve both infrastructure and business tasks, including those related to the optimization of production and non-production costs. In addition, Technoserv implements projects to create of engineering, network and IT infrastructure, service support, information security, and develops specialized applications for energy enterprises.

Within the projects for the enterprises of the fuel and energy complex Technoserv performs the full range of turnkey works from comprehensive energy audit and project development, installation and delivery of the equipment up to commissioning and subsequent maintenance.

Key solutions and services for fuel and energy enterprises:
- Construction of Generating Facilities (cogeneration plants, energy centers, boilers, renewable energy sources);
- Construction of Power Grid Facilities with Voltage up to 750 kV;
- Construction, Installation and Commissioning;
- Technical Re-equipment of Enterprises;
- Implementation of Innovative Projects and Development of an Enterprise Development Strategy;
- Participation in Research and Development (R&D);
- Automated Process Control Systems;
- Enterprise Resource Planning Systems;
- Investment Management Systems;
- Supplier Relationship Management Systems;
- Transport Management and Monitoring Systems;
- Maintenance and Repair Systems;
- Engineering Infrastructure;
- Information Infrastructure;
- Telecommunication Infrastructure;
- Data Centers;
- Situational Centers.
The main goal of mini-TPP creation is the reduction of production cost by electricity tariffs minimization. Two and a half times reduced rate of our own electricity leads to reduction of production cost. Specialists’ expectations include the 13 billion rubles of annual economic effectiveness.

V. Gornostayev
CEO, “Belaya ptica – Kursk”

Technoserv offers a wide range of solutions that enable to plan, monitor, analyze and control production processes of industrial enterprises. Developing the practice of Product Lifecycle Management (PLM), Technoserv provides its customers with the tools to make informed decisions at every stage of the product lifecycle based on complete and timely information. Enterprises are able to maximize the benefits of production processes, which is especially relevant for innovative productions.

In order to organize effective maintenance and repair of equipment in a discrete manufacturing process Technoserv implements solutions to optimize the management of maintenance and repair, to coordinate it with the plans of production and improve the efficiency of the enterprise as a whole.

Monitoring systems allow solving similar problems in relation to the IT infrastructure and IT services. Such systems can eliminate failures of computing infrastructure in the shortest possible time and prevent their negative impact on business.

Information security is no less important to ensure business continuity. Technoserv offers a full range of services to protect corporate data and infrastructure, including the construction of secure networks based on certified cryptographic tools.

Key solutions and services for industrial enterprises:
- Product Lifecycle Management (PLM);
- Computer-Aided Design (CAD);
- Integrated Architecture of Production Management Systems;
- Additive technologies (3D printing);
- After-Sales Service of Complex Products;
- Enterprise Resource Planning Systems;
- Supplier Relationship Management Systems;
- Disaster Recovery Plan (DRP);
- Designing and Building of Power Systems.
Technomedicine, a part of the Technoserv Group, offers supplying, commissioning, installation and service of medical equipment of the world leaders in the field of diagnostic, reanimation, perinatal, bio-resonance, oncology and rehabilitation equipment.

Considering current demand of health care in complex informatization to improve the quality of health services, Technomedicine offers development and production of medical information systems, IT and telecommunications for medical institutions. Among the advanced technologies introduced in the medical field are telemedicine solutions aimed to significantly improve the quality of diagnosis and treatment of patients.

**Key solutions and services for medical organizations:**
- Concept of Creating or Upgrading of Medical Organization;
- Design and Estimate Documentation (with a focus on medical technologies);
- Medical Equipment Supply, Commissioning and Installation;
- Construction Works;
- Unified IT and Telecommunication Systems;
- Project Financing;
- Warranty and Post-Warranty Service;
- Mobile Hospitals Delivery and Deployment;
- Engineering Infrastructure;
- Security Systems.

“Our medical center is unique for Russia. It provides customers with medical care using the latest advances in science and high-tech medical equipment. Reliable IT infrastructure and information services are very important to us, but no less important is to ensure that patients and medical staff use these technologies effectively. For example, wireless Wi-Fi network in our medical center is intended not just for quick access to information systems and user-friendly access to the Internet, but also to track mobile medical equipment.”

O. Pak
Director of the Medical Center of the Far Eastern Federal University
In the context of increased competition in the retail market it is particularly important to provide business services support, ensure a new level of effectiveness of communication with suppliers and customers, improve customer satisfaction. Key trends in this field are introduction of analyzing and forecasting tools, implementation of loyalty programs and electronic commerce (e-commerce).

As an IT framework for business services Technoserv implements infrastructure, network and engineering solutions that provide high performance, availability and fault tolerance of business services. The main priority in the implementation of hardware solutions is to reduce the cost of operation of the IT infrastructure, including through the use of energy-efficient technologies.

Key solutions and services for retail:
- BigData and Corporate Storage Systems;
- Customer Relationship Management;
- Customer Loyalty Programs;
- E-commerce;
- Electronic Document Management;
- Application Development and Integration;
- Test Environments and Testing Automation;
- Information Infrastructure and Data Centers;
- Telecommunication Infrastructure;
- Contact Centers;
- Engineering Infrastructure;
- Information Security;
- IT and Business Monitoring Systems.

“Today, retail business is closely linked to the use of information technology. IT infrastructure is the basis for all business processes. Also important are acquiring systems, customer loyalty programs, and more. All of these processes are provided by the corporate telecommunications network, which, in addition to the corporate data centers, includes our offices, stores and shops in different regions of the country. That’s why we needed a tool to monitor the performance of our core network.”

D. Demin
Head of IT Operations and Monitoring Department, X5 Retail Group
Over 10 years Technoserv develops expertise in the field of technological systems and specialized systems for television, radio networks and channels.

With years of experience and partnerships with leading manufacturers, Technoserv successfully solves the full spectrum of tasks of broadcasters. Projects of implementation of advanced technologies are intended to improve the process of production of media content, as well as to reduce the cost of this process, provide reliable technological foundation for storing and working with growing volumes of materials to increase the quality of broadcasting.

Technoserv has deep expertise and experience in the field of construction of infrastructure for digital television broadcasting. In 2013, after an open competition, the company became co-executor of the project on construction of the second multiplex broadcasting network in the Russian Federation. At the request of the FSUE “RTRS” Technoserv fulfilled the complex of works on creation of a network of digital television broadcasting in all regions of the Russian Federation: 1604 facilities with engineering infrastructure were created, including 798 turnkey objects. Also, Technoserv provided services of supply of equipment and logistics for 806 facilities.

Key solutions and services for media:
- Creation of Production and Broadcast Facilities;
- Digital Archives Implementation;
- Software Media Platforms Implementation;
- Monitoring, Control and Management of Broadcasting Equipment;
- Building the Infrastructure of Digital Broadcasting.

“Creating a digital video archive is an urgent task for any broadcaster, because today each TV channel has a large volume of video content in different subjects and areas. Implementation of the digital archive has allowed us to seriously simplify work with existing materials, and also to increase the efficiency of using these materials on the air.”

D. Volkov
Head of Technical Development Department, General Producer Service, Channel One Russia
Technoserv supports government programs for the introduction of innovative technologies in the field of education to improve the quality of education and development of science.

Technoserv provides a full range of services for the creation and modernization of information and telecommunication infrastructure of educational institutions, including the implementation of advanced multimedia and interactive systems, unified communications systems, and other telecommunications solutions. To improve the efficiency of the educational process, and to extend the set of educational programs and learning technologies Technoserv offers implementation and adaptation of specialized software, creation of high-performance data processing and storage infrastructure.

To minimize the security risks for students and staff on campus Technoserv implements intelligent security systems to prevent violations of law and emergency situations.

Key solutions and services for educational institutions:
- Turnkey Solution “TS-education”;
- IT Infrastructure and Data Centers;
- Engineering Infrastructure;
- Telecommunication Infrastructure;
- Application Development and Integration;
- Security Systems;
- Information Security;
- Service and Outsourcing.

“We are glad that in our Institute there is a unique laboratory organized due to Technoserv specialists involvement. There we can realize the innovative ideas, do our difficult research and share our experience. I hope in the soonest possible time the success of our laboratory will make its name within the scientific community and our extension achievements will be of practical use.”

I. Sherstov
Industrial Projects Director, Skoltech

parents, students, potential employers, administrations, state departments of education. The solution includes software for automation and informatization of educational process, scientific innovation and administrative activity of educational institutions, as well as the necessary equipment and tools for access to the Internet and local networks. The modular architecture of “TS-education” provides the possibility of introducing the individual components of the system to solve certain problems in the field of science and education of management, electronic services.
Aiming to be closer to its customers, Technoserv develops a network of branches in Russia and subsidiaries in the CIS. When present in the region, Technoserv is able to optimize logistics of projects and to solve customer problems in the most efficient way. Highly qualified specialists of regional and exterior offices of Technoserv work closely with the staff of the head office and other companies of the Technoserv Group, jointly implementing complex geographically distributed projects.

Technoserv guarantees its customers a prompt service support. Regional offices are designed to strengthen the service and warranty, as well as to speed up the process of solving any problems of customers.

In the Russian Federation Technoserv has branches in Khabarovsk, Krasnodar, Nizhny Novgorod, Novosibirsk, St. Petersburg, Vladivostok, Volgograd, Yekaterinburg.

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When present in the region, Technoserv is able to optimize logistics of projects and to solve customer problems in the most efficient way.

Business development strategy of Technoserv in the CIS is to open on the territory of sovereign states subsidiaries, which perform the full range of tasks related to project activities and interaction with local customers. Technoserv has subsidiaries in Armenia, Azerbaijan, Belarus, Kazakhstan and Uzbekistan.

The subsidiaries are actively involved in the implementation of major IT and telecommunication projects, informatization of key sectors of the economy, as well as support of government social programs with all the information and technological resources and experience of the Technoserv Group.

**ARMENIA**
- Orange Armenia
- VivaCell (MTS Armenia)
- ArmAeroNavigation
- Karabakh Telecom

**AZERBAIJAN**
- Azerphone (Narmobile)
- Baki Power Grids
- The State Real Estate Register Service under the State Committee for Property Affairs of the Republic of Azerbaijan

**BELARUS**
- beCloud
- Belarus Telecommunication Network
- Road Safety
- Mogilevenergo
- MTS
- Priorbank

**KAZAKHSTAN**
- Alm Communication Holding
- Tele2
- Beeline Kazakhstan
- Kazteleroadio
- KaTelco

**UZBEKISTAN**
- Uzbekistan Railways
- State Tax Committee of the Republic of Uzbekistan
- The State Committee of communications, informatization and telecommunication technologies of the Republic of Uzbekistan
- Uzbekenergo
- Neftegazdepozit
- Uzneftegaz
### KEY CUSTOMERS

The leaders of Russian business choose Technoserv.

#### PUBLIC AGENCIES
- Federal Customs Service of Russia
- Federal Drug Control Service of Russia
- Federal Tax Service of Russia
- Ministry of Defense of Russia
- Ministry of Internal Affairs of Russia
- Pension Fund of Russia
- Rosfinmonitoring
- Roshydromet
- Rosreestr
- Rosstat
- Supreme Court of the Russian Federation
- Treasury of Russia

#### TELECOMMUNICATION
- AKADO
- Bashinformsvyaz
- MTS
- Rostelecom
- Tele2 Russia
- Vimpelcom

#### FINANCE
- Alfa-Bank
- Central Bank of the Russian Federation
- Credit Europa Bank
- Gazprombank
- Promsvyazbank
- Raiffeisenbank
- RosEUROBank
- Russian Agricultural Bank
- Sberbank of Russia
- UniCredit Bank
- Uralsib
- VTB24

#### FUEL AND ENERGY
- Federal Grid Company of Unified Energy System
- System Operator of Unified Energy System
- RusHydro

#### MEDIA
- Channel One Russia
- Russia Today
- Medicine
- Clinic № 3 of the Administration of the President of the Russian Federation
- Medical Center of the Far Eastern Federal University
- Regional Clinical Hospital for children, Khabarovsk
- Regional Clinical Hospital, Chita
- Regional Clinical Perinatal Center, Tver

#### EDUCATION
- Kuban State University of Technology
- Moscow State University
- Novosibirsk State University

#### RETAIL
- Auchan Russia
- Tander
- X5 Retail Group

#### TRANSPORT
- Aeroflot – Russian Airlines
- Moscow Metro
- Russian Railways
PARTNERS

The partners of Technoserv are the leaders in the international information and telecommunication technology market.

- Acme Packet
- APC by Schneider Electric/Schneider Electric
- Avarpost
- Avaya
- Aquarius Networks
- Barracuda Networks
- Bluecoat
- BMC Software
- Brocade
- CA Technologies
- CheckPoint
- Cisco Systems
- Citrix
- CommScope (Systimax)
- Dell
- Dell EMC
- Devoteam Teligent
- D–Link
- Dr. Web
- EATON
- E–Band Communications
- ECI Telecom
- F5 Networks
- FG Wilson
- FNT Software
- Fujitsu
- Hitachi Data Systems
- HPE
- Huawei
- IBM
- INFINERA
- Juniper Networks
- Kraftway
- Lenovo
- LG
- McAfee
- Microsoft
- NetApp
- NSN
- Oracle
- Panduit
- Polycom
- Radium
- Radio Frequency Systems
- Red Hat
- RIT Technologies
- Rittal
- Riverbed
- RSA EMC
- Samsung
- SAP
- Symantec
- TEOCO
- Veeam
- Veritas
- VMware
- Xerox
- Aladdin
- InfoTeKs
- Kaspersky Lab.
- Yadro
- Silver Partner, Official distributor
- Elite Partner
- Corporate Partner
- Gold Partner
- Authorized Partner
- Premier Reseller
- Gold Datacenter
- Gold Volume Licensing, Silver Communications, Silver Identity and Access, Gold Messaging
- Silver Software Asset Management, Silver Data Platform
- Certified Installer
- Gold Partner
- Authorized Partner
- Platinum Partner
- Strategic Partner
- Platinum Partner
- Certified Distributor
- Strategic Partner
- Advanced Business Partner
- PatchView Partner, Authorized System Integrator in Russia and the CIS
- Official Supplier of Anti-Virus Software
- Premier Partner
- Gold Partner
- Authorized System Integrator in Russia and the CIS
- Project Partner
- Official Partner
- Reseller, Silver Partner
- Official Partner
- Premier Partner
- Affiliate Partner
- Partner
- Gold Partner
- Official Partner
- Solution Provider Premier Partner
- Authorized Reseller
- Platinum Business Partner
- Business Partner
- Partner
- Strategic Partner
The long-term partnership of Technoserv with the leaders of the world market of information technology and engineering equipment ensures the success of joint projects for the benefit of customers.

DELL EMC
“We are proud to recognize Technoserv as one of pioneers in opening the data storage and information infrastructure market in Russia. Effective work, intensive interaction during the year and new technological directions expertise development allow us to achieve 50% growth of joint business.”

Sergey Karpov, VP, Dell EMC

HITACHI DATA SYSTEMS
“Our cooperation with Technoserv always had a strategic character, and the story of our joint projects confirms the leadership of Technoserv at the Russian system integration market. Achievements of Technoserv for many years deserved the highest awards of Hitachi Data Systems. Technoserv has a deep knowledge of Russian business and always focuses on the key requirements of each customer. This is extremely important for us. Working with you, we get a clear vision of current trends in the promotion of existing technologies and the development of innovative solutions that meet the needs of our customers. Moreover, our effective interaction with Technoserv allows us to be ahead of the needs of the market.”

Yuri Skachkov, CEO, Hitachi Data Systems

CISCO
“Technoserv is one of the leading system integrators in Russia with ability to realize high-tech projects. We highly appreciate the essential input of this company in our society “digitalization”. Moreover Technoserv implements a lot of socially important innovative projects. Our partnership has been actively developing for more than 15 years and approved by the highest Cisco partner statuses. We have great expectations of cooperation with dynamic team of IT professionals.”

Jonathan Sparrow, VP, CEO, Cisco Russia and CIS

HPE
“Technoserv company is one of HPE key partners as well as the acknowledged leader on the Russian IT market. In close cooperation we proved that we can implement projects of varying difficulty levels, develop any scale information and communication systems, create a lot of new business opportunities for our clients using IT. Technoserv always stands out thanks to its stable high level of expertise, strong professional team and the largest experience in most ambitious projects. I think, that our successful and effective cooperation will continue extending the boundaries and increasing the opportunities.”

Alexander Scherbina, CEO, HPE Russia
The long-term partnership of Technoserv with the leaders of the world market of information technologies and engineering equipment ensures success of joint projects in the interest of government agencies and commercial enterprises of various sectors of the economy. In collaboration with the leading vendors Technoserv provides its customers with new opportunities to improve efficiency of business on the base of advanced technologies. With outstanding sales performance and significant achievements in promoting vendors’ solutions, Technoserv deserved numerous awards and honorary partner statuses.

**APC by Schneider Electric**
- 2011 — Award for the successful implementation of the project for Technopark-Mordovia
- 2009 — Award for the successful implementation of projects in Public Sector

**Avaya**
- 2015 — Fast Growing Partner

**Dell EMC**
- 2015 — Project of the Year in Public Sector

**Hitachi Data Systems**
- 2011 — “Business Innovation” award for best project of the year on the basis of HDS solutions
- 2010 — HDS Virtual Storage Platform Sales Partner in EMEA
- 2009 — “Future Vision” award for strategic planning
- 2009 — Best Service Partner

**HPE**
- 2014 — Award for the promotion and sale of solutions HP ConvergedSystem 900 for SAP HANA
- 2014 — Best HP Networking Partner in Commercial Sector

**IBM**
- 2015 — Best Partner of IBM Hardware Complex Sales
- 2014 — Best IBM Partner of 2014
- 2013 — Best Integrator of IBM Hardware Solutions
- 2012 — IBM Gold Business Partner in Russia
- 2011 — IBM Gold Business Partner in Russia
- 2010 — IBM Silver Business Partner in Russia
- 2009 — IBM Gold Business Partner in Russia

**Juniper**
- 2015 — Fast Growing Elite Partner in Russia and CIS

**Symantec**
- 2012 — Award for the most rapid growth for the year
- 2011 — Award for the best sales growth

**RedHat**
- 2013 — System Integrator of the Year

**VMware**
- 2014 — Growth of the Year
- 2012 — Best Partner in Implementation of Complex Projects
- 2011 — Award for the implementation of complex projects
- 2010 — Award for the promotion of VMware solutions

*Partner awards and honorary statuses of Technoserv for the period from 2009 to 2015*