ICL
СИСТЕМНЫЕ ТЕХНОЛОГИИ

COMPANY PROFILE

ICL GROUP

26 YEARS
in IT industry

100%
Russian based company – one of the largest system integrators in Russia

95%
of the territory of Russia is covered by the service centers of ICL Group

300 thous. units per year
the production capacity of a new plant for assembling computer equipment built by the ICL Group near Kazan

ADVANTAGES OF WORKING WITH ICL SYSTEM TECHNOLOGIES

- Obtaining the opportunities for implementing projects using technologies from more than 60 world and domestic software and hardware manufacturers
- Readiness for attestation of implemented solutions in the field of information security according to the requirements of the certification bodies of the Russian Federation
- Guarantees of rendering service support all over Russia

DIRECTIONS OF THE COMPANY'S ACTIVITY

System integration

Information security

Production of equipment

GC ICL

Software development

Outsource
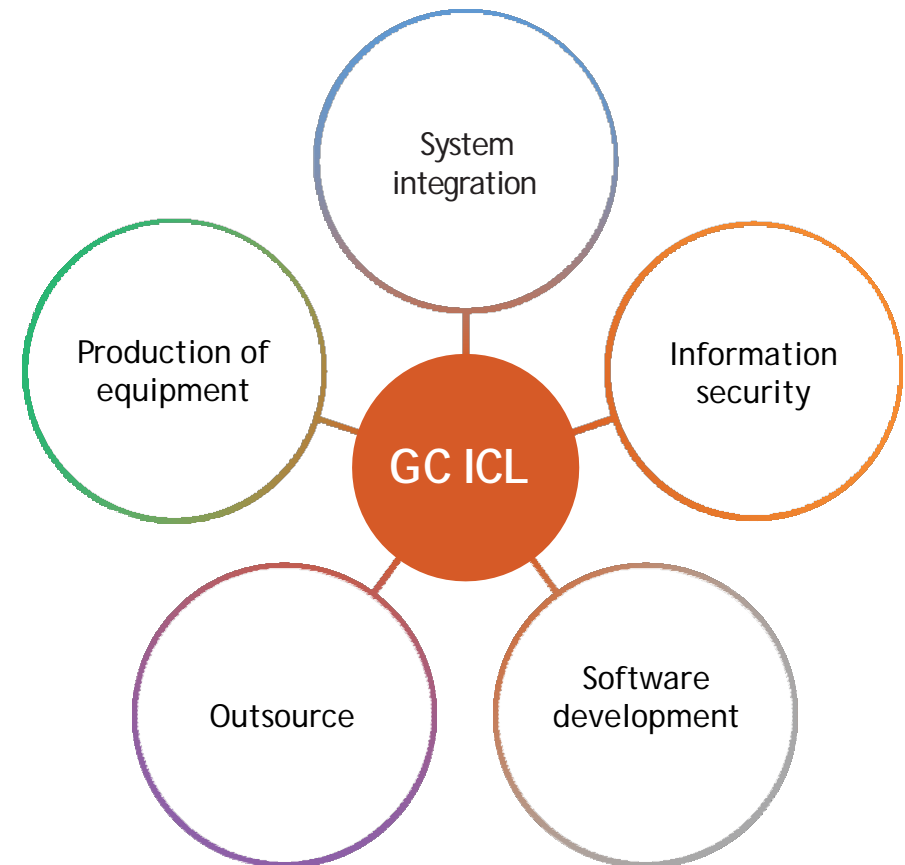
HIGH DEGREE OF TRUST IN ICL SYSTEM TECHNOLOGIES IN THE MARKET

Partners

More than 60 companies producing software and hardware cooperate with ICL System technologies

40 IT market leaders and IB - partners of ICL System technologies

Active participation of manufacturing companies in ongoing projects

Cooperation with state organizations, departments and associations on information security issues - Federal Service for Technical and Export Control of Russia (FSTEC), FSB, ABISS, ASI

Clients

Customers across Russia in all major industries:

- Ministries and departments
- Fuel and energy complex
- Power engineering
- Nuclear power
- Financial sector
- Telecommunications
- Transport and logistic
- Industry
- Culture of corruption
- Retail

Rankings

LEADER of the all-Russian rating table of the largest equipment manufacturers (RA "Expert RA")

TOP 10 largest IT companies in Russia in the field of information security (CnewsAnalytics)

TOP 10 Russian outsourcing service providers (Gartner)

TOP 20 of the largest IT companies in Russia (RIARating)
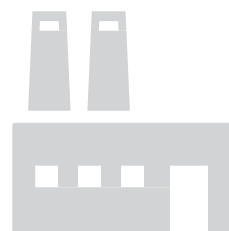
WHO ICL SYSTEM TECHNOLOGIES WORKS WITH

Oil&Gas

Power Engineering

Banks

Industry

Public sector

Telecommunication

IT MARKET TRENDS AND ICL SYSTEM TECHNOLOGIES OPPORTUNITIES

Ensuring the security of critical facilities

- Situation center of the company's security systems
- Integrated information security management system
- The competence center of Information security Automated Process Control System (APCS)

Reducing infrastructure costs

- Creation of convergent infrastructures
- Server and workstation virtualization
- Construction of data center and backup data center, provision of data center resources for rent

Import substitution

- Own assembly of equipment- PCs, laptops, workstations, servers, incl. protected and certified equipment
- Software development

Optimizing the work of employees

- Personnel management system
- Customer Relationship Management System
- Document management
- Solutions for remote employees

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TECHNOLOGICAL DIRECTIONS OF ICL SYSTEM TECHNOLOGIES ACTIIVITIES

Providing information and physical security	Development, maintenance and optimization of IT Infrastructure	Increasing the effectiveness of joint work of staff	Software Development
• Complex systems of information security and information security management • Situational Information Security Center • Engineering and technical means of protection • The competence center of IS APCS	• High Availability Solutions • Virtualization • Engineering infrastructure • Modernization and creation of data center	• Customer relationship management • Human Resource Management • Systems for increasing the efficiency of communications of remote employees	• Analytics • Development on the Java platform • Development on the .Net platform

INFORMATION SECURITY

One of the most difficultly controlled aspects of business is information security. The leakage of information, virus and other malicious activity coming from external communications networks of general access, and much more can adversely affect the operation of the enterprise and the trust of partners. Therefore, information security issues are under close attention. Specialists of ICL System technologies have competence and design experience in the following areas:

- Integrated information security systems
- Monitoring systems for leakage of confidential information (DLP-system)
- Systems for centralized management of accounting data
- Electronic signature and certification center
- Protection of personal data
- Protection of process control systems
- Integrated information security management systems (IISMS)
- Situation Center for Security Systems
- Center for monitoring and responding to computer incidents (Security Operation Center)

The purpose of work on the direction of information security is to ensure the necessary and sufficient level of information security by neutralizing the current threats to information security and implementing the requirements of regulatory documents in the field of information security.

INDUSTRIAL CYBER-SECURITY

Over the past few years, experts have recorded a sharp increase in the number of targeted attacks on authorized process control systems (APCS) of industrial facilities. In this case, a successful attack or other security incidents often entail serious consequences.

To provide complex services in the field of IS APCS, the company ICL System Technologies opened the competence center of IS APCS in Innopolis. The key tasks to be performed within the framework of the Center are:

• Testing of specialized solutions in the field of APCS

• Increase the competence of engineers in the design, implementation and operation of specialized information security tools for the process control system

• Analysis of security threats and development of approaches to their neutralization

Testing solutions is carried out in the format of the stand in cooperation with the developers of the software and hardware systems of the automated process control system.

As a result, a chosen solution fully meets all the requirements and features of the object. Completely excluding the possibility that the selected funds will be inoperative in the real operating environment of the enterprise systems or incompatible of the software-technical complex of APCS

Ensuring cybersecurity in critical environments is the most important component of the stable development of any modern industrial enterprise.

BUSINESS SOLUTIONS

The composition of services in the field of business solutions carried out by ICL specialists System technologies:

Implementation of the electronic document management system

Docsvision, including the introduction of both standard and non-standard modules of its own design: management of tender documentation, management of the client dossier archive, development of modules for customer requirements.

Creating portals on the MS SharePoint platform:

- Deployment of a typical portal configuration on the MS SharePoint platform with the following modules: news, department sites, document library, portal search, media gallery, blogs, forum, staff personal sites, introduction of atypical modules (training, address book, advanced search in the documents archive, bank of ideas of employees, internal applications)
- Custom development of non-standard portal modules

A full cycle of implementation of analytical systems on IBM Cognos and Microsoft SQLServer platforms:

- Conducting a pre-project survey and forming a set of project documentation
- Creation of a corporate data warehouse
- Implementation of reporting systems (IBM Cognos / MSSQLServerBI)
- Implementation of budgeting systems (IBMCognosTM1)
- Development of forecasting and modelling systems (IBMSPSS)

The document circulation of the company has long gone beyond the chancellery and firmly established itself in financial, personnel, technological and other divisions.

With the help of a corporate portal, access to corporate information is simplified and the availability of various internal and external services of the company for employees is increased.

Analytical systems simplify work with dry figures and facts and form a holistic view of the company's affairs.

ENGINEERING AND TECHNICAL MEANS OF PROTECTION SYSTEM

The security system of a modern enterprise depends on many factors and, on a par with the means of providing information protection, should include the technology of physical security of the facility. For this, complexes of engineering and technical means of protection (CETMP) are being developed. The complex of services for the design and implementation of security systems at the customer's facilities includes:

Engineering protection means:

- Fencing of territories of objects and local zones of safety;
- Equipment of entrances to the territory, buildings and premises of facilities;
- Technical means of warning (warning posters, indexes).

Technical protection means:

- Collective burglar alarm;
- Perimeter security alarm system;
- Access control system;
- Security television system (video surveillance system);

- Technical means of protection:
- Post-communication system;
- Alarming;
- Notification system;
- Security lighting system;

Complexes of engineering and technical means of protection help to provide safety of equipment, material assets, financial resources, protection of personnel against criminal encroachments, fires and accidents, exclusion of unauthorized access to confidential information, suppression of possible unlawful actions of individuals from among personnel, physical security of buildings , structures, the whole territory of the facility.
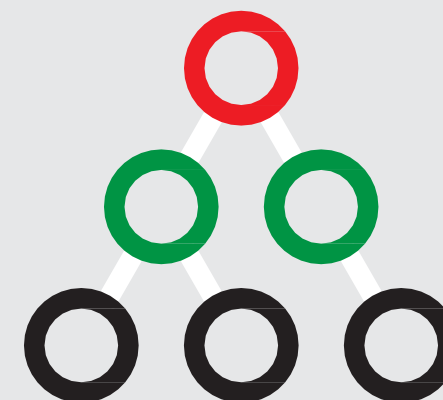
INFORMATION INFRASTRUCTURE

The composition of services in the field of information infrastructure:

- Development of information infrastructure development strategy
- Information infrastructure audit
- Construction and modernization of infrastructure
- Virtualization of computing resources and workstations
- Integration of branches into a single network
- Implementation and modernization of IT infrastructure monitoring and management systems

Creation of the engineering infrastructure of the data center:

- Structured cabling system
- Access Control System
- Security and fire alarm
- Fire protection
- CCTV
- Climate system
- System of guaranteed and uninterrupted power supply
- Engineering infrastructure monitoring system

The information infrastructure of a modern enterprise is a complex system that includes all the necessary equipment and software for the operation of most of the company's production processes.

CREATION OF DATA PROCESSING CENTERS

The main areas of expertise:

- Audit of existing data centers and server rooms
- Data center and server room design
- Development of design and working documentation for the creation of data centers and server rooms
- Supply of equipment for creating data centers and server rooms
- Installation and commissioning of data centers and server rooms
- Technical support of data centers and server rooms
- Modernization of data centers and server rooms

An integrated approach to building a data center involves a number of successive steps-from preparing the premises to delivering and installing the necessary equipment and software..

With the growth of business, in order to continue to support the required volumes and quality of IT services based on the hardware rooms placed in office buildings, it becomes increasingly difficult. There is a need to use a full-fledged data processing center.

UNIFIED COMMUNICATIONS

Many ICL System technologies customers have already appreciated the convenience of unified communications. This technology allows you to reduce the time taken to make collegial decisions, significantly reduce travel expenses, increase customer loyalty by reducing the time of processing calls and responding to their requests, reduce costs on long-distance and international negotiations, to increase the personal effects of each employee.

The composition of technologies for the introduction of unified communications:

- IP telephony, which allows using this solution as a fully functional PBX
- Audio/video conferencing systems for interactive meetings
- Contact Centers
- Corporate mail systems
- Instant messaging systems
- Web-conferencing systems

One of the key factors for the success of the modern business is the high-quality and fast communication between employees of the organization.

DEVELOPMENT OF THE SOFTWARE

Specialists of the company ICL System technology carried out individual software development using industrial platforms Java and .NET. The development is carried out with the help of the Scrum, Waterfall, GOST methodologies.

Areas of development

- Corporate portals
- Document management systems
- Automation of work processes
- Integration solutions
- Information Security
- Monitoring systems

Competencies

- Analytics: survey, analysis, design of UML, preparation of project, operational and operational documentation, including GOST
- Development on the Java platform: development of highly loaded and fault-tolerant applications using Java EE, WS, MQ, ORM, ESB, ExtJS
- Development on .NET platform: development of portal solutions with application of Sharepoint 2010/2013, ASP.NET, WS, ORM, TFS
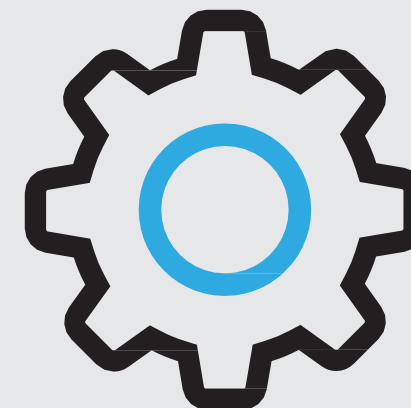
The development is carried out according to the methodology of Scrum, Waterfall, and GOST. Great practical experience of the team, confirmed by certificates in various areas of development, allows you to successfully implement projects of different levels.

HIGH ACCESS TO SERVICES, APPLICATIONS AND DATA

In most modern organizations, the successful implementation of business processes directly depends on the quality and availability of IT services.

As part of the solution of such tasks to ensure high availability of data for each of the services, possible downtime, the time for which the data can be lost, the list of risks from which to protect should be determined.

At the same time, the products and solutions used to achieve the result depend very much on the information systems and the level of availability that needs to be achieved this can be both the implementation of a simple backup system and the construction of geographically distributed cluster systems.

To ensure the continuity of production processes, the information infrastructure of the organization must meet the high requirements of reliability and fault tolerance.

TESTING LABORATORY

Certification can be carried out both for compliance with the requirements of federal legislation and regulations, industry standards, and for compliance with an individually formed list of conditions.

- The testing laboratory provides services for the certification of objects of informatization and certification of information security means
- The purpose of certification and attestation work is to confirm the fulfilment of information security requirements by means of information protection and informatization objects, respectively
- The testing laboratory is authorized to carry out certification tests of information protection means in accordance with the requirements, the results of which can be confirmed by certificates: Federal Service for Technical and Export Control (FSTEC Russia); Ministry of Defense; OOO Gazprom (the GAZPROMCERT certification system)

- Certification of GIS, ISDN for compliance with the requirements of 17 and 21 orders of FSTEC of Russia
- Certification of automated systems and Protected premises of any complexity level for compliance with the requirements of STR-K and RD FSTEC of Russia

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