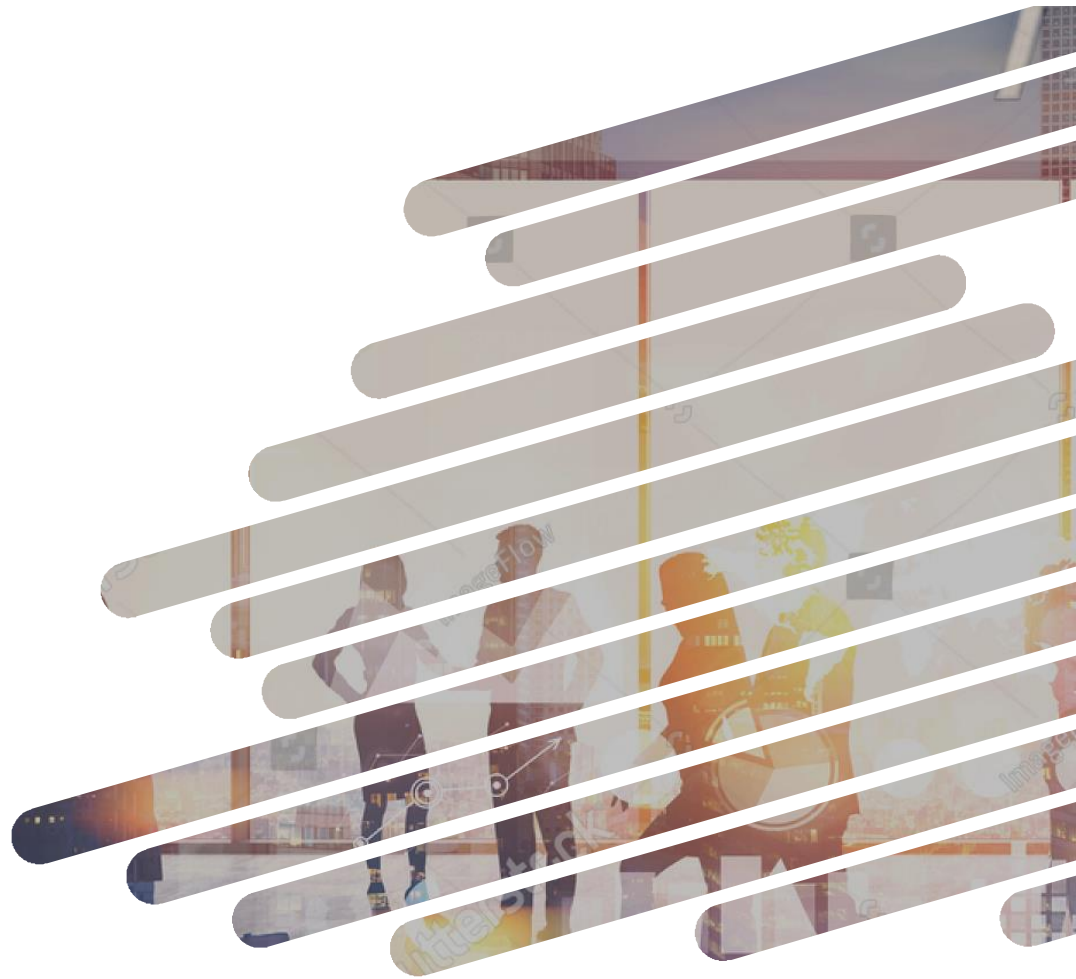




I-Novus

ABOUT THE COMPANY



# ABOUT THE COMPANY

Modern technologies of software development



From initial analytics to integration and maintenance



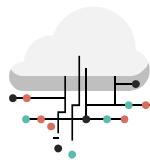
Qualified specialists, ready to realize projects at various levels and scales



Long experience in productive cooperation with state customers



# ABOUT THE COMPANY



**More than 10 years**  
of experience in creation  
of IT-solutions



**25 regions**  
introductions



**More than 75** successfully  
realized projects at various  
scales



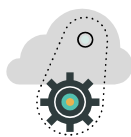
**1200 healthcare**  
organizations use the  
results of our work



**4** successfully  
realized **federal**  
projects



**5** key  
directions of  
automatization



**More than 7**  
integration  
projects



**More than 100**  
corporate  
officers



# ORGANIZATION STRUCTURE



APPLICATIONS AND MAINTENANCE SECTION  
Staff: 23



TESTING / CONTROL SECTION  
Staff: 14



DEVELOPMENT SECTION  
Staff: 48



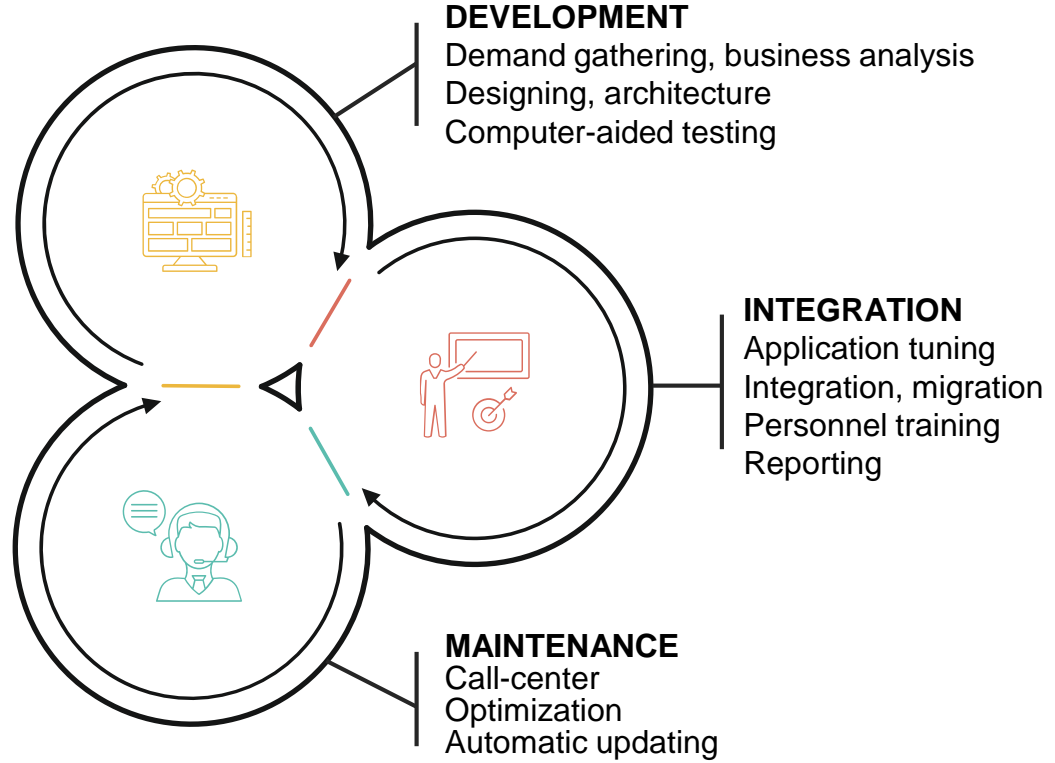
ANALYTICS SECTION  
Staff: 15



PROJECT MANAGEMENT  
Staff: 10



COMPLETE  
CYCLE  
COMPANY





# INFORMATION SYSTEMS DEVELOPMENT



01

STATE INFORMATION SYSTEM OF CHI  
(compulsory healthcare insurance)

02

UNIFIED STATE HEALTHCARE IS MODULES

03

STATE INFORMATION SYSTEM OF HOUSING AND  
COMMUNAL SERVICES

04

REGIONAL HEALTHCARE INFORMATION SYSTEM

05

SUBSYSTEM OF PERSONAL OFFICES IN THE FRAMEWORK  
OF UNIFIED INFORMATION SYSTEM OF HOUSING  
CONSTRUCTION (UMLS)

# GOALS AND TASKS



## THE MAIN STRATEGY

Agile  
Kanban  
Continuous delivery



## AUTOMATIZATION OF IN-HOUSE BUSINESS PROCESSES

Git, Merge Request  
Jenkins  
Autotest  
Cointegration of all services



# JAVA FOR IS

JSTL  
JUnit  
Lucene  
Spring Boot  
CXF  
Web Services  
Logback  
JAXB  
AOP  
AspectJ  
JDBC  
Joda-Time  
Hibernate  
Slf4j  
Apache Commons  
Liquibase  
Tomcat  
JMS  
Groovy  
POI  
Guava  
Spring Framework







WE USE  
JAVASCRIPT



A word cloud of JavaScript-related technologies and frameworks. The words are arranged in a scattered, non-uniform pattern. The largest word is 'JS' in black. Other prominent words include 'React' in black, 'Webpack' in teal, 'Require.js' in black, and 'jQuery' in teal. Smaller words include 'Angular', 'Node.js', 'SASS', 'Dust.js', 'Bootstrap', 'Jest', 'Backbone.js', 'CSS', 'LESS', 'Redux', 'Babel', 'Mocha', 'Lodash', 'ESDoc', and 'Vue.js'.

jQuery  
Require.js  
Dust.js  
Bootstrap  
SASS  
Node.js  
Jest  
Backbone.js  
Angular  
React  
Webpack  
CSS  
LESS  
Redux  
Babel  
Mocha  
Lodash  
ESDoc  
Vue.js  
JS



WE USE  
OPEN SOURCE

CentOS  
PostgreSQL  
puppet  
Linux  
Ansible  
BaseX  
HAProxy  
Gradle  
Maven  
kettle  
Birt  
nginx  
Cassandra  
ElasticSearch  
Logstash  
Artifactory  
Zabbix  
Kibana



WE USE  
POSTGRES SQL

Replication

Pglogical

pgAdmin

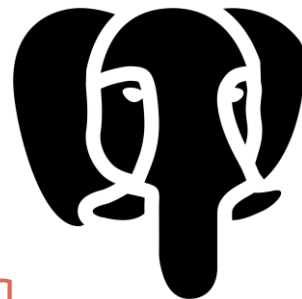
Slony

PostgreSQL 9.6+

Streaming





PL/pgSQL

pgbadger





WE  
COMPUTERIZE  
OUR TASKS






- 01 | MONITORING: **Zabbix** 
- 02 | LOG FILES: **Elastic Stack (ELK)** 
- 03 | CONFIGURATION MANAGEMENT: **Puppet, Ansible** 
- 04 | VIRTUALIZATION: **KVM, Amazon Cloud, VMware** 





# WE USE DEVOPS METHODOLOGY



- 01 | CONTINUOUS INTEGRATION (CI): **Jenkins** 
- 02 | VERSION CHECK SYSTEM: GIT, SVN 
- 03 | BUILD AUTOMATION TOOLS: **Maven** 
- 04 | TASK MANAGER: **JIRA** 
- 05 | DATABASE: **Confluence** 



# TESTING TOOLS

01 | LOAD TESTING TOOLS: Jmeter



02 | AUTOMATION TESTING TOOLS:  
Selenium WebDriver



03 | BUG TRACKING SYSTEM: JIRA



04 | DATABASE: Confluence



# INTEGRATION



**Organization of the process of integration regional and federal systems:** from the stage of examination and formation of system demands to commissioning and maintenance



**Creation of project teams** with the involvement or formation of partner organizations in the implementation area.



**Training of system users** both in full-time and remotely using distance learning systems



**Experience in the use of such methods of IS commissioning, such as:**

- **Phased implementation.** Consistent implementation of the system starting from the most problematic (actual) unit to full object automation.
- **Parallel work.** Simultaneous work in the old and new systems.
- **«Shock» integration (integration everything at once).** One-time transition to a new IS.
- **Pilot implementation.** Integration on the same site with subsequent replication at the rest of them.



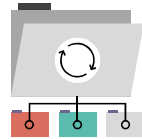
# MAINTENANCE

WE PRACTICE THE ORGANIZATION OF **THREE-LEVEL SUPPORT AND MAINTENANCE** OF USERS OF THE SYSTEMS:



## LEVEL 1

Consultations, solving simple issues, providing information and documentation on systems;



## LEVEL 2

Solving complex issues, an expert advice on business processes, the actions related to the database, the questions on integration services and the interaction with other systems;



## LEVEL 3

The issues connected with the implementation of new features, the refinement of the system, the creation of new modules.





# MAINTENANCE

WE HAVE AN EXPERIENCE :



creating unique products



formation of demands to infrastructure



adaptation of existing products



maintenance of our own products



introducing our own and third-party products



maintenance of third-party developers' products



formation of demands to information systems



maintenance and service of infrastructure





THANK YOU FOR YOUR ATTENTION!

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