

Information Technology Development

Work in the IT field was performed pursuant to the Strategy of JSC IDGC of the North-West in the Field of Information Technologies, Automation, and Telecommunications in 2014-2016, which has been adopted by the Board of Directors of the Company (hereinafter referred to as the ITT Strategy of the Company).

The share of centralized projects has been increased, and the system of management document exchange and the Omni-Utilities system for commercial and technical accounting of electricity as well as a number of other projects have been implemented.

In 2014, in the framework of reducing the Russian power sector's dependence on equipment and components imports, foreign company services, and foreign software, as stipulated by the Minutes of Meeting of the Commission of the President of the Russian Federation on the Development Strategy of the Fuel and Energy Sector and Environmental Safety dated 04.06.2014 (minutes No. A4-26-368), amendments were made to the ITT Strategy of the Company. In view of the new environment, 1S: Company Management (ERP) 2.0. based on the 1S: 8.3 Version CORP platform was adopted as the main platform for automation of the main business processes of the production, financial, and business activities of the Company. The plans of implementation of the ITT Strategy of the Company have been updated in the conditions of significant economic restrictions and first priority objectives have been determined.

Projects which have been implemented in the reported year and are scheduled for implementation in 2015 pursuant to the JSC IDGC of the North-West Strategy Roadmap in the Field of Information Technologies, Automation, and Telecommunications in 2014-2016

No.	Project/initiative	Benefits achieved / quality effects / comments
Business applications		
1	Implementation of a common centralized document exchange system for JSC IDGC of the North-West	Implementation of a common centralized document exchange system for the Company (ASMDE)
2	Implementation of a united internet portal (external Web site)	External Web site of the Company
3	Implementation of a Legal Disputes system for the Legal Department	United system of control for the Company's trials (completed)
4	Development of the Energo corporate information system of accounting and fiscal reporting in the part of settings of the chart of accounts as stipulated by the Order of JSC Russian Grids dated 02.09.2013 No. 547 (united corporate accounting principles, united corporate chart of accounts (UCCA))	Pursuant to the Order of JSC Russian Grids dated 02.09.2013 No. 547 (united corporate accounting principles, united corporate chart of accounts (UCCA))
5	Implementation of a system for management of electricity transport and interaction with consumers based on the OMNI-US AIS (4 branches)	Automation of electricity transfer account at Kolenergo and Novgorodenergo. Development of a single database for 4 branches (Arkhenergo, Komienergo, Kolenergo, Novgorodenergo).
6	Implementation of a corporate report portal based on Microsoft SharePoint Server	Control of timely submission of summary reports of the Company to JSC Russian Grids (source: Microsoft vouchers)
7	Implementation of a common centralized system of investment activity automation for JSC IDGC of the North-West, AIS Investments (noncontracted method)	Distribution of an own development of Arkhenergo branch to all branches of the Company, bringing to common standards by automation of accounting and handling of investment projects
8	Development of company management automations systems, improvement of Forga-Energo software	Automation of Maintenance and Repairs, Tests, Openings, Record of Disconnections
9	Adaptation and implementation of the automated management system of financial and business operations (Stage 1: Purchasing; Storage Accounting; Contract Management, Normalization of the Reference and Regulations Guide on Materials). Platform: 1S; configuration 1S:ERP Company Management 2.0.	Based on 1S: Company 8 software, configuration 1S:ERP Company Management 2.0. Stage 1: Purchasing; Storage Accounting; Contract Management, Normalization of the Reference and Regulations Guide on Materials
10	Adaptation and implementation of the automated management system of financial and business operations (Stage 2: Financial and Business Operations, Financial Planning, RAS Accounting, Fiscal Reporting, IFRS Accounting, Budgeting). Platform: 1S; configuration 1S:ERP Company Management 2.0.	Based on 1S: Company 8 software, configuration 1S:ERP Company Management 2.0. Stage 2: Financial and Business Operations, Financial Planning, Budgeting, Contract Management, RAS Accounting, Fiscal Reporting, IFRS Accounting

No.	Project/initiative	Benefits achieved / quality effects / comments
11	Raising the rate of automation through development of operated systems. General raise of IT maturity	Raising the rate of automation through development of operated systems, enhancing the coverage of automated business processes, automation of adjacent business processes (during operation), increasing the number of users
Process systems		
12	Development of automated process control systems on the level of energy facilities	Modernization of teleautomatics systems of substations with implementation of digital communication and data transfer channels using IEC-60870-5-104/101 protocols, organization of broadband access channels, modernization of HF communication channels
13	Development of automated process control systems on the level of dispatching points and district dispatching points of the Company	Construction of fiber optic lines, modernization of existing and organization of new digital communication and data transfer channels, modernization of operating information systems of dispatching points
14	Development of automated process control systems on the level of GCC of branches and the Company	Upgrade of the telecommunication networks with implementation of digital communication and data transfer channels, implementation of IP telephone for real-time communications, modernization of the imaging system of the situation and analysis center
15	Development of power accounting software	Construction of Automated Informative Electric Power Accounting Systems for substations
Infrastructure		
16	Implementation of the Service Desk system on the 1S platform (non-contracted method)	Raising the level of services provided, optimizing the load of IT staff and information systems. Distribution of an own development of Karelenergo branch to all branches of the Company, bringing to common standards by automation (non-contracted method)

The general trends of further IT development are determined by the ITT Strategy of the Company. The Company will implement the basic platform for comprehensive automation of the main business processes of production, financial, and business operations of the Company, namely, Platform 1S: 8.3 Version CORP. The list of projects that are scheduled for implementation is provided in the table. There will be development of IT infrastructure, communication systems, and ASIDE tools to provide accessible and quality IT services to JSC IDGC of the North-West.