

ANNEX 5.

Informatization and Digitalization

IT automation and digitalization in the Fund involves the use of technologies to streamline manual processes and digitization of information and data. This leads to increase in efficiency, accuracy and productivity, results in improvement of the performance of Fund employees and its group of companies.

The implementation of IT automation and digitalization in the Fund includes several key stages.

Evaluation. The first step is to evaluate existing processes and systems and identify areas where automation and digitalization can have the greatest impact.

Planning. Based on the assessment, a plan should be developed that specifies specific automation and digitalization initiatives that will be implemented, as well as the timing and budget of the project.

Realization. The next step is to implement automation and digitalization initiatives. This may include the deployment of new technological solutions, such as robotic process automation (RPA) or artificial intelligence (AI), as well as the digitization of information and data.

Training. Employees need to be trained in new technological solutions and processes. This should include both technical and technological training so that employees can use the new systems effectively.

Monitoring. After the implementation of automation and digitalization initiatives, it is important to monitor the results and make the necessary adjustments. This may include refining technological solutions or making changes to processes to ensure that the desired results are achieved.

Following these steps, the Fund can successfully implement technological solutions and digitize information and data, which will significantly increase the return and productivity of both administrative and managerial and production personnel "on site".

What was Done in 2022

As part of the digitalization of the procurement process, in order to simplify and increase the transparency of procedures, the Electronic Store project was implemented.

The Skstore.kz e-store is an automated e-commerce information platform that allows suppliers to sell their goods for Portfolio Companies of Samruk-Kazyna JSC. The undeniable benefits of using Skstore.kz include

- free online registration;
- the ability to place any product;
- remote sale of goods - without leaving the office or home;
- quick agreement of the transaction and conclusion of the contract with the customer in 2 days (1 day for the customer, 1 day for the supplier);
- charging a minimum commission only for the actual sale;
- ability to track the progress of order approval, statistics and analytics.

To carry out successful work in the skstore.kz e-store, a potential supplier needs to go through a simple registration by signing a public offer using an EDS.

Skstore.kz is not just a convenient platform for selling goods, but also a transparent, and most importantly, a quick way of buying and selling both for representatives of small and medium-sized businesses and for customers - Portfolio Companies of Samruk-Kazyna JSC.

QazaqGaz JSC initiated a project to implement an Analytical Asset Management System (AAMS). The aim of the project is to implement a system designed for the operational processing of large amounts of data (Big Data), using mathematical tools to forecast and determine deviations from them with accounting accuracy.

A model of the analytical asset management system has been tested as part of the project. The implemented pilot project of the analytical system, which proved its effectiveness within the framework of the analysis and data processing. Currently, the MVP model of the information system has been implemented and a demonstration of the functionality and capabilities of the system has been carried out. JSC NC QazaqGaz has started work on the conceptual project of the AAMS, which also covers the model of gas control and accounting

In order to widely inform the population, as well as to prevent the dissemination of deliberately false information used for fraudulent purposes, a specialized Internet resource of the privatization and IPO program was implemented - IPO.SK.KZ, which provides useful information for both institutional and retail investors. The project was implemented as part of the information and analytical support of the Privatization and IPO Program, aimed at increasing the level of awareness of citizens of Kazakhstan about the planned measures for the transfer of assets of the Fund group of organizations to the competitive environment.

The Fund group of companies initiated a project to implement the Horizontal Monitoring Platform software for the Fund transition to tax monitoring in the form of horizontal monitoring.

The implementation of the HMP platform will allow the exchange of information and documents between the State Revenue Committee of the Ministry of Finance of the Republic of Kazakhstan and the Fund, which is based on the principles of cooperation, reasonable trust, legality, transparency, and expanded information interaction.

The Fund has launched a procedure for "georeferencing" critical data and information systems as part of the improvement of the risk management system in the event of emergencies.

Plans for 2023

Scalable infrastructure for digitalization and collaboration of the company group

In 2023, our main task will be to create a scalable infrastructure among our Portfolio Companies, providing real digitalization and facilitating cooperation, as well as reducing bureaucracy. By implementing a common network and productivity tools, we will streamline communications, optimize resource allocation and ensure uninterrupted information exchange. This strategic initiative will not only enhance our ability to adapt to changing market conditions, but also enable our Portfolio Companies to thrive in the digital age, driving growth and innovation in the country.

Interactive dashboards for displaying product dates

Development of a comprehensive database combining data from exchanges and other relevant sources (product data) in order to provide up-to-date information dashboards for taking informed decisions. This approach will effectively collect, store and analyze a wide range of market and other data, providing access to the latest information and trends.

Working out and analytics on the implementation of ESG, EHS and HR services projects

The planned analysis of IT solutions for ESG, EHS and HR processes includes an assessment of technologies used today for environmental, health and safety management, as well as human resource management. The purpose of the analysis is to identify areas for improvement and the possibility of introducing new technological solutions to support these processes. The analysis includes an overview of existing systems and processes, collecting information and developing a plan for implementing new solutions.

Implementation of the Horizontal Monitoring Platform software

Introduction of the Horizontal Monitoring Platform in order to ensure the Fund interaction with the SRC of the Ministry of Finance of the Republic of Kazakhstan within the framework of tax control processes in the horizontal monitoring mode for the following types of taxes.

Georeserving

As part of the improvement of the risk management system in the event of emergencies, work continues on the implementation of measures to prevent incidents for the Fund group of companies, namely the use of the "georeservation" method of critical data and information systems.

Implementation of measures to increase the maturity of IT competencies of employees of the Fund and Portfolio Companies

It is necessary to offer training and development opportunities, provide access to technological resources and contribute to the formation of a culture that values technology in order to increase the maturity of the IT staff of the Fund and Portfolio Companies. This will result in the improvement in the technical skills of employees and increase efficiency, improve the decision-making process and enhance the productivity of the Fund.

Development of large language models (LLM, AI and ML)

To analyze big volumes of internal data, it is necessary to develop own large language models. This approach will help us process information more efficiently, quickly finding important information. Maintaining the locality of data processing, which will also increase security and comply with privacy standards. Such models will provide target conclusions that will facilitate informed decision-making and innovation in the company.