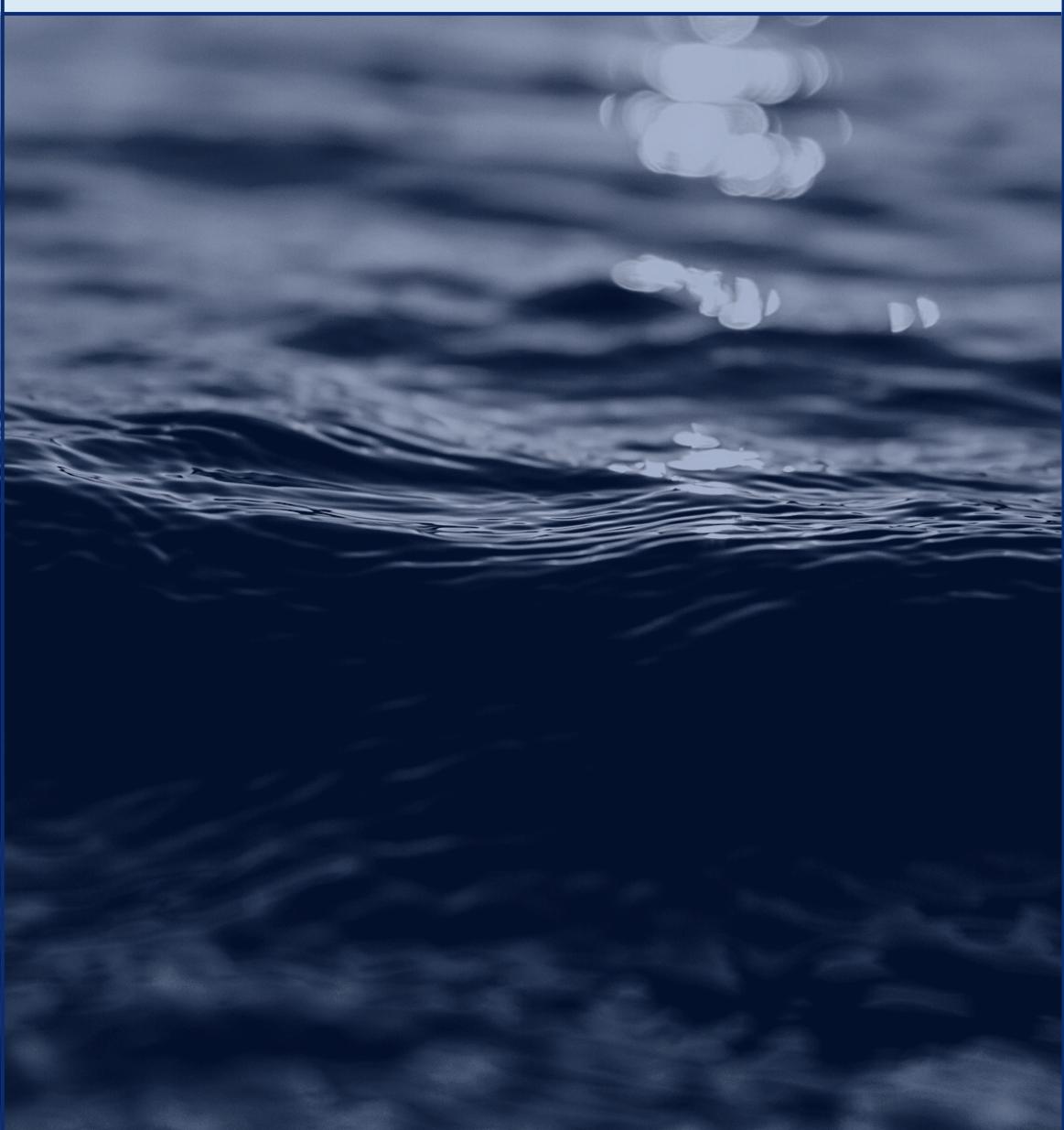


# SUSTAINABILITY REPORT



2022



COMPANY GROUP  
**ECOINSTRUMENT**  
OTHER DIMENSION



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# DIRECTOR OF MAIN OFFICE ADDRESS, ECOINSTRUMENT GROUP OF COMPANIES

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Dear Friends!

I am glad to present the Report of Ecoinstrument Company on Sustainable Development. The issue of the report has become an important stage on the way to establishment of sustainable practices in our Company. The Report describes our approach to management of sustainable development issues and demonstrates the influence of our business on the society and environment.

Our Company has been one of the largest suppliers of laboratory, portable and industrial instruments for aquatic environment quality control in Russia and CIS countries for over 25 years. Five Company offices and a wide dealer network ensure the availability of modern analytical technologies for any laboratories and in any place of the country.

We manufacture and realize a wide range of own products and products of our partners. For the last decades Ecoinstrument deserved the reputation of a reliable partner and socially responsible participant of the society.



"We exercise a responsible approach to develop our business, support the employees and strictly comply with the legislation, and also make our contribution to protect and preserve the water resources of our country".

# DIRECTOR OF MAIN OFFICE ADDRESS, ECOINSTRUMENT GROUP OF COMPANIES

2022 brought unprecedented challenges for the business all over the world and our Company was not an exception. Though the concerted efforts on realization of the diversification strategy made by our team and a fast reaction to the changes in the economy helped us successfully overcome a tough time and continue a sustainable development.

We are also proud that, despite the challenges, we keep supporting non-commercial Foundation Clean Hands, Clean Rivers, performing an extremely important scientific and public and ecological work. For the last year the Foundation realized a number of important projects with assistance of Ecoinstrument, we will provide more details about it below.

In 2023 we will continue to improve our efficiency, distribution, preserving and strengthening our positions in the market. We will strive to ensure a sustainable growth of the business, supporting an internal corporate culture and contributing to sustainable development.

Kirill Akhadov, Director of main office,  
Ecoinstrument Group of Companies



# ABOUT US

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**IN 1993 A GROUP OF LIKE-MINDED INDIVIDUALS, GRADUATES OF THE GEOGRAPHIC FACULTY AT M.V. LOMONOSOV MOSCOW STATE UNIVERSITY UNITED TO DEVELOP A NEW TECHNOLOGY TO MEASURE THE IONIC COMPOSITION OF THE ENVIRONMENTAL WATERS FOR THE PURPOSE OF ECOLOGICAL MONITORING.**



This project has been a success and shortly thereafter our company opened its first office, continuing to provide equipment from foreign manufacturers.



Ecoinstrument has managed to keep its original team of professional chemists, metrologists and engineers until this very day.

We have been constantly developing, creating and expanding the dealer network and opening offices in various regions of Russia and CIS.



Today the Company is one of the leaders in the market of water quality control.

It is also a Russian manufacturer of cuvette tests to measure COD, which is the main parameter of the water contamination rate. Additionally, Ecoinstrument and its partners successfully implemented large-scale projects in the field of ecological control automation, drinking water quality control and water treatment facility renovation. By developing our business, we strive to make a positive, long-lasting impact on the environment.

# SUSTAINABLE DEVELOPMENT

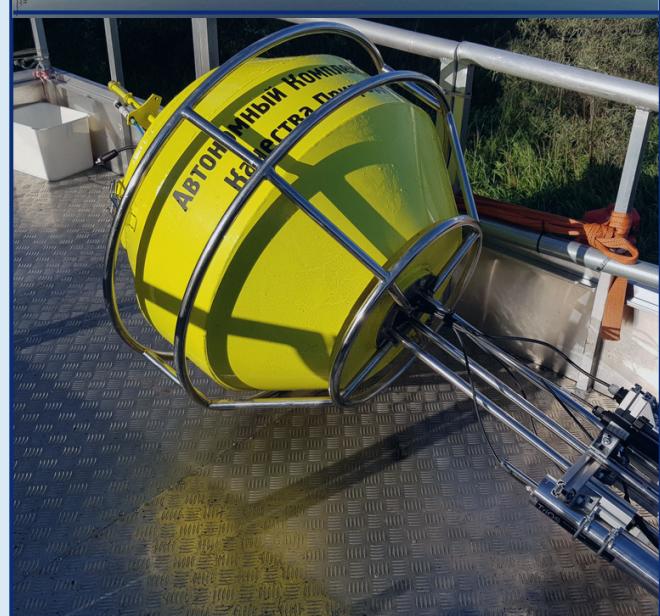
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Ecoinstrument supports the Sustainable Development Goals (SDG), established in 2015 by the General Assembly of the United Nations and strives to contribute to their cause.

In total, the UN declares 17 goals, which together in one way or another cover all areas of human life.

Having analysed the Company's activity in the context of the Sustainable Development Goals, we determined two priority SDGs, which perfectly correspond with the Ecoinstrument area of expertise.

These include "pure water and sanitation" (SDG No. 6) and "preservation of aquatic eco systems" (SDG No. 14).



# PURE WATER AND SANITATION

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"THE NATURE OF THE COMPANY'S BUSINESS IS RELATED TO WATER. WE APPLY A RESPONSIBLE AND ATTENTIVE APPROACH BOTH TO SELECTION OF THE PRODUCTS WE SUPPLY, AS WELL AS COMPLEX, LARGE-SCALE PROJECTS THROUGHOUT THE COUNTRY".



Among our large-scale projects are the equipment of the "Svyatoy Istochnik" (Brand #1 on Russian bottled water market) factory and laboratories. Ecoinstrument became the general supplier for laboratory equipment of "Svyatoy Istochnik" facility in Dimitrovsk District in Moscow Region.

In accordance with the company's standards, the laboratories are equipped with the tools for product and packaging quality control, chemical reagents from the leading world manufacturers, as well as laboratory glassware and laminar flow units.



Another project worth mentioning is the equipment of the laboratory for water quality control at "Aquanika" facility.

This company also specialises in bottled water and non-alcoholic beverages.

"WE ARE WELL AWARE THAT THE WATER QUALITY FOR A FINAL CONSUMER DEPENDS ON THE QUALITY OF OUR SERVICES AND PRODUCTS. FOR 25 YEARS OUR COMPANY HAS GAINED A VAST EXPERIENCE IN BOTH EQUIPPING OF THE MANUFACTURING LABORATORIES, AS WELL AS IMPLEMENTING LARGE INDUSTRIAL PROJECTS WHICH INVOLVE VERIFYING THE PERFORMANCE OF THE EQUIPMENT FOR WATER AND WASTE TREATMENT ALIKE".

# PURE WATER AND SANITATION

**"LABORATORY EQUIPMENT IS JUST A PART OF OUR CONTRIBUTION TO MANUFACTURING AND DISTRIBUTION OF PURE DRINKING WATER FOR THE CONSUMER".**



Some other examples of our projects include development of the chemical control systems for Saint-Petersburg Water Service Company, installation of turbidity sensors with GPRS with a supervisory control by ModBus TCP/IP at 32 stations. We established 4 automated laboratories at Moscow and Frunzenskiy water stations to control pH, conductivity, hardness, turbidity, colour, TOC, Aluminum and Iron concentration.

Water chemical control is very important, but waste control is also significant. Thus, we installed a flow chamber with pH, ORP, conductivity, COD, suspended solids and oil products sensors at the sewage pump in Moscow Water Station. This greatly increased the level of water quality control for Moscow citizens.



As we know, aeration stations play a significant role in treatment of the water which is meant to be accessed by millions of people. Ecoinstrument has a significant experience in this area and utilizes its sustainable development principles.

We equipped one of the largest water treatment stations in Saint-Petersburg with 32 oxygen sensors for aerotanks, 6 ammonium and phosphates analysers, suspended solids sensors for all treatment stages, 12 sludge level sensors for final setting tanks and automated samplers.

**"THERE IS A MORE GLOBAL LEVEL WHERE "ECOINSTRUMENT" OPERATES. IT IS INDUSTRIAL WATER AND WASTE TREATMENT TECHNOLOGY WHICH BENEFITS MILLIONS OF CITIZENS THROUGHOUT THE COUNTRY".**

# PRESERVATION OF WATER ECOSYSTEMS

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**WE DARED TO RE-PHRASE OUR SECOND SUSTAINABLE DEVELOPMENT GOAL. “PRESERVATION OF MARINE ECOSYSTEMS” HAS BEEN INTERPRETED AS “PRESERVATION OF WATER ECOSYSTEMS” FOR OUR PURPOSES.**



We operate with water, making it purer and providing our co-citizens with quality drinking resources.

Herewith water surrounds us as rivers, lakes, springs and seas. All of them represent water ecosystems.



At a certain point of our development we decided to turn our knowledge and skills towards examination and preservation of the water resources of our country.

In 2018 we participated in the establishment of the non-commercial foundation Clean Hands, Clean Rivers. Our cooperation has continued to this day.



Despite tough objective factors during 2022, business and science kept moving forward together.

The specialists of the foundation examined the delta of Volga River, explored the open spaces of the White Sea and evaluated the state of small rivers in the Moscow region, using the company's analytical equipment.

Our scientists collected unique samples, greatly contributing to the preservation and protection of the water resources of our country. We are certain that sustainability becomes a supporting factor for society and businesses in tough times.

# VOLGA DELTA PROJECT

In spring of 2022, scientists of the foundation went to the lower reaches of the Volga to finalise a complex and unique scientific project concerning the content of microplastic in the river.

The expedition completed a 3-year cycle of the examinations of one of Russia's main rivers. It involved participation and support of the specialists from Astrakhan State Biosphere Reserve, Ecoinstrument Company and Expobank JSC.

The main goal of this trip, which covered 4,000 km by land and 200 km by water, was to prove whether or not the Volga acts as a natural filter for microplastic in the Caspian Sea.



# VOLGA DELTA PROJECT



Unique Astrakhan Biosphere Reserve, which is inhabited by rare species of fish, birds and mammals, was a part of the project's route.

This concluded the 3-year long project concerning the examination of the microplastic content in the Volga river.

Upon the completion of the study, the specialists obtained unique scientific data, created a map of the river parts affected by microplastic pollution and determined its impact on the population of large cities.

# RUSSIAN NORTH EXPEDITION

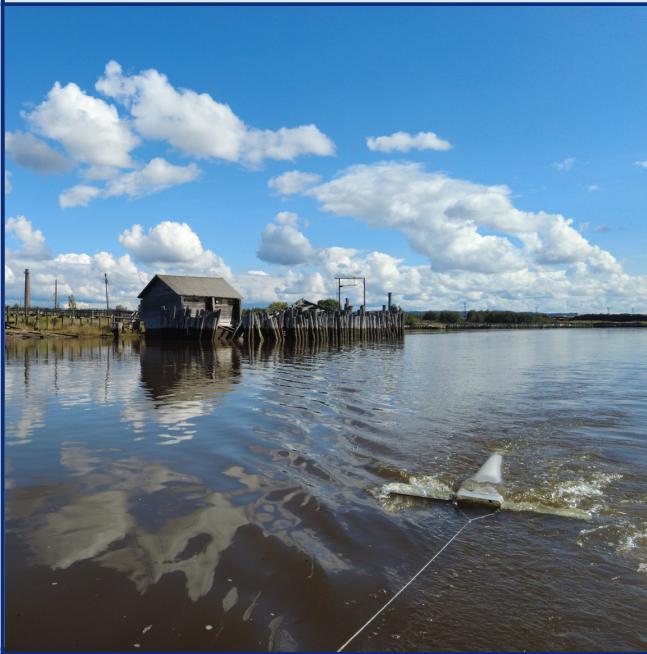
In September 2022 Clean Hands, Clean Rivers Foundation carried out further tests on the White Sea, which were initialised in the Arctic zone of Russia in 2021. The expedition was supported by Ecoinstrument.

The scientists of the foundation determined a general state of the water quality around Solovki, sampled water to test microplastic content in it, determined its ejection volume into the White Sea and studied the background parameters of this new global type of contaminants.

The highly precise equipment supplied by Ecoinstrument was utilised. The Foundation also used its own unique, scientific approach to study of microplastics, which has been developed and thoroughly tested by the specialists of Clean Hands, Clean Rivers.



# RUSSIAN NORTH EXPEDITION



The Solovetsky Islands is the largest archipelago of the White Sea and the main tourist attraction of the Arkhangelsk region. The ecological state of this region plays an important role, due to the rapid increase in tourism since the beginning of the 21 century, which has resulted in thousands of annual visitors.

The increase of a human-induced load inevitably leads to the change in the archipelago ecological state, which is necessary to examine in order to make decisions on minimization of the damage caused.

The existing studies on microplastic in Russia's northern marine waters are not sufficient in their current state. In particular, there are no systematised studies of microplastic ejection to the Onega Bay.

# RUSSIAN NORTH EXPEDITION

In 2021 the Foundation carried out a study of the microplastic in the southern part of the Onega River, which flows into the southern part of the Onega Bay, as a part of the ongoing expedition.

In order to obtain all the data, additional studies in the western part of the Solovetsky Islands, where the Kem River flows into the White Sea, have been performed in 2022.

The studies conducted in 2022 allowed for an evaluation of the change in the main hydrological characteristics and a distribution of microplastic concentration in the Onega Bay with further mapping of the obtained parameters being made.



# SMALL RIVERS OF PODMOSKOVYE PROJECT



Just like blood vessels, small rivers feed the country's main waterways such as the Volga, the Kama and many others. Unfortunately, they receive much less attention.

Together with the Foundation Clean Hands, Clean Rivers we decided to change the situation and in spring 2022, set out to study the Klyazma, the Istra and the Setun - small rivers of Podmoskovye region.

The main goal of the 3-year long project is to determine the current contamination level of these objects, define the most critical parameters and to install local “Buyan” stations for an automated quality control. These stations have been developed independently by the foundation.

The first stage of the project started in 2022 when the foundation's team performed desk studies of the existing data on the state of the Klyazma, Setun and Istra rivers.

# SMALL RIVERS OF PODMOSKOVYE PROJECT

The data from 2009 to 2021 studies was used to determine the project goals. 33 reports on the hydrochemical state of the Istra, the Klyazma and the Setun rivers were examined; they covered different geographical points along the course of the river and included 35 different parameters. The total number of the water quality parameters was 1,155.

Based on the desk study stage of the project, the foundation specialists determined 34 points for water sampling and 3 potential points to install automated stations. In spring and fall of 2022, the Foundation Clean Hands, Clean Rivers studied the water quality of Podmoskovye region rivers and prepared a detailed scientific report.

The second stage of the project will take place in 2023 and will involve a trial installation and operation of "Buyan" station for an automated water quality control at one of the studied water objects.



# COMMUNITY INVOLVEMENT

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Targeted help to the youngest members of our society in need, is an undoubted priority for us and serves as an indicator of balance between the company's interests and its social involvement.

We cooperate with several charity foundations which mainly focus on helping children. They are our future, which is why we strive to not only preserve nature and clean water for them but to help them to grow healthy and happy.

Another showcase of social responsibility is the continuous support of the youth movement River Watch. It has been established as an initiative by the Foundation Clean Hands, Clean Rivers and is intended for school and university students within our country.

# THE FUTURE

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Ecoinstrument looks into the future with certainty and optimism. Our vast experience and wide expertise, as well as a highly professional team and reliable partners make a great foundation for our future projects.

Another important factor is our firm belief that we and our business partners should interact with the society's interests.

We will keep expanding the range of the provided services and the modern equipment and tools for water quality control, while simultaneously supporting the Foundation Clean Hands, Clean Riversand indulging in socially-oriented aid.

The future of our nature and the state in which it will be passed down to future generations is up to us to decide. Let's unite our efforts to preserve and develop the water resources.

