



ENT+

SDG  
Report  
2023

EN+

# TABLE OF CONTENTS

- 05 About the report
- 06 Opening statement
- 07 About the company
- 08 SDG focused goals
- 10 Social initiatives
  
- 12 CLIMATE LEADERSHIP**
- 14 Market transformation towards low-carbon
- 16 Sustainable
- 18 Green energy beyond hydropower
- 19 Green Million
  
- 20 ENVIRONMENTAL STEWARDSHIP**
- 22 Waste management
- 24 Preserving freshwater ecosystems
- 26 Protecting land based biodiversity
- 28 Eco-involvement
  
- 30 HUMAN DEVELOPMENT**
- 32 Supporting our employees
- 33 Supporting active lifestyles
- 34 Investing in education
- 37 Clean cities
- 38 Sustainable cities
- 40 Responsible tourism
  
- 42 COLLABORATION AND PARTNERSHIPS**
- 44 Advocacy
- 46 Transparency and certification
- 47 Energy transition
- 48 Climate and biodiversity



**p. 24** Preserving freshwater ecosystems

# ABOUT THE REPORT



**p. 16** Hydropower one step further



**p. 32** Supporting our employees

The SDG Report is an additional thematic report released annually by En+. This report outlines the numerous projects and initiatives En+ implements in order to support the Global UN SDG agenda.

The scope of this SDG Report is from August 2022 to August 2023, which allows us to publish about the most recent projects. The report is produced by the Sustainable Development Directorate of En+ Group.

Disclaimer: this report is not audited. For this purpose, all figures used in the report are those verified earlier in the year during the audit of our Consolidated Report.

# OPENING STATEMENT

## ALLOW ME TO PRESENT THE FIFTH ANNUAL EN+ SDG REPORT

Since the company set itself priority SDGs back in 2019, we have made significant strides in integrating the Global Goals into our operations. Today, En+ not only has 9 priority SDGs, but we also pride ourselves in having concrete climate goals, among which is a target to reach Net Zero GHG emissions by 2050. We continue to operate within the national and global sustainability agendas and support the Principles of the UN Global Compact.

Despite the challenges the world faces today, at En+ we strongly believe sustainability should remain at the forefront of the corporate agenda.

Sustainable economic growth can only come from businesses that care for employees and communities in their regions of presence. At En+ we implement programmes that focus on the wellbeing of our teams and local communities. En+ actively invests in the environment, culture and arts. En+ Group's charitable projects provide systematic assistance to those who need it most, with particular focus on medical care, education, support of healthy and active lifestyles through sport, as well as on the improvement of the cities of our presence.

We continue to implement our climate strategy, to modernise our hydropower plants. Construction of new hydropower facilities is underway. The company contributes to regional efforts in improving the environmental situation, modernises factories, and implements energy efficiency measures.

As we navigate the uncertainties and challenges of today's world, we want to reiterate our commitment to the UN Sustainable Development Goals and to all our stakeholders.

**Mikhail Khardikov,**  
Deputy CEO –  
Chief Operating Officer

**13**  
ASI certified  
aluminium plants

**5.6%**  
of the world's aluminium  
production

**19.4 GW**  
Total installed electricity  
capacity<sup>1</sup>

**≈ 99%**  
of aluminium production  
powered by renewable  
and low carbon energy

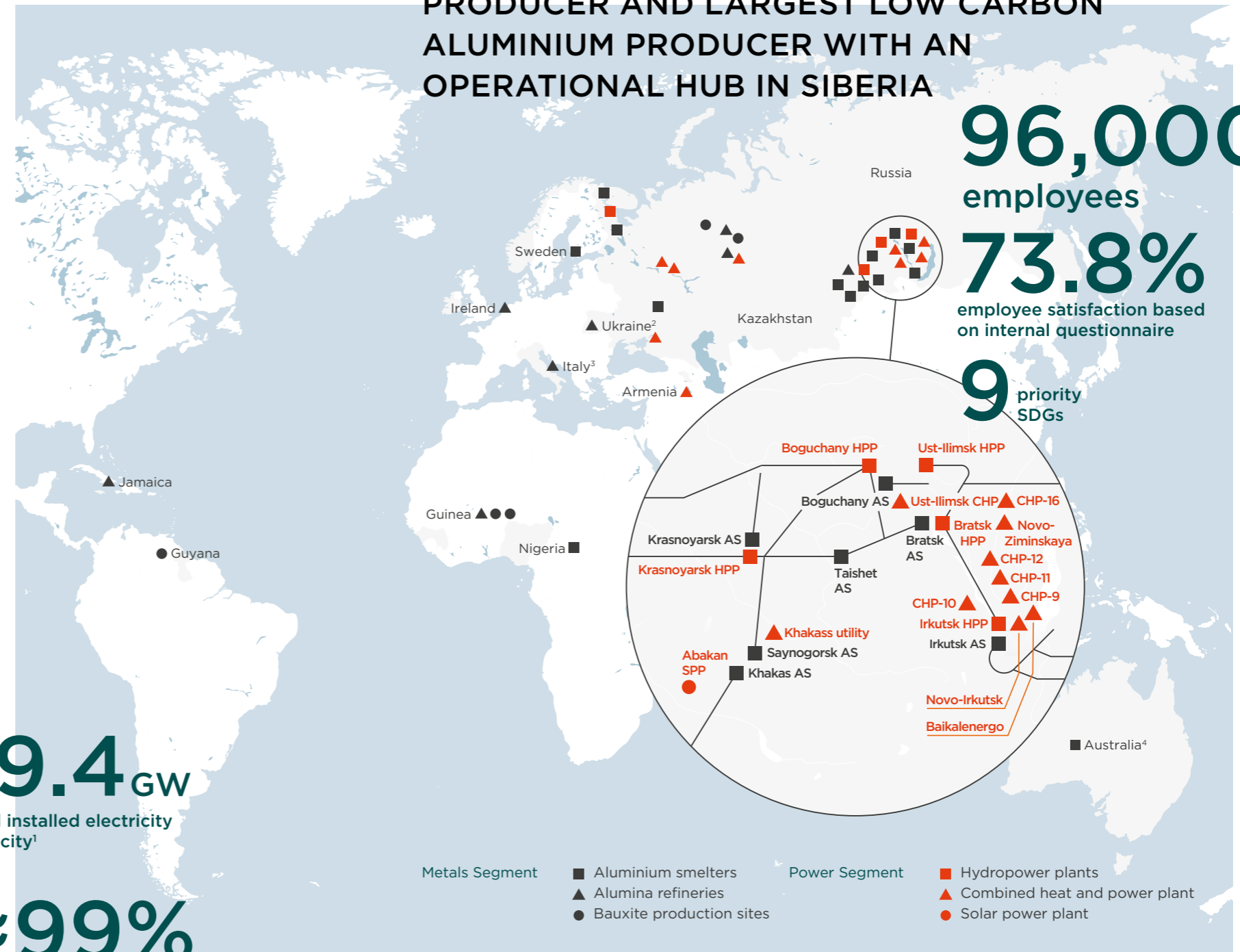
# ABOUT THE COMPANY

LARGEST INDEPENDENT HYDROPOWER PRODUCER AND LARGEST LOW CARBON ALUMINIUM PRODUCER WITH AN OPERATIONAL HUB IN SIBERIA

**96,000+**  
employees

**73.8%**  
employee satisfaction based  
on internal questionnaire

**9** priority  
SDGs



<sup>1</sup> Excluding Onda HPP

<sup>2</sup> Since March 2022, production at Nikolaev has been suspended

<sup>3</sup> Eurallumina in Italy is mothballed

<sup>4</sup> The Australian government banned alumina and bauxite export to Russia since April 2022

# SDG FOCUSED GOALS



SDG 13, SDG 7, SDG 9, SDG 12, SDG 15, SDG 17

**Reduce GHG emissions by at least 35% by 2035, and achieve net zero GHG emissions by 2050 (as benchmarked against the Group's 2018 GHG emissions)<sup>1</sup>**

**Progress:** Latest Net Zero report was published on the company website on 18 September 2023.

The main progress made within the Metals segment relates to the technological improvement of aluminium smelters. In the Power segment, modernisation and a study of the improvement of energy efficiency is ongoing.



SDG 6, SDG 3, SDG 11, SDG 14, SDG 15

**By 2030, eliminate untreated wastewater discharge generated by the Power segment**

**Progress:** Ongoing modernisation and construction of new treatment facilities for hydropower, coal and municipal treatment facilities, under the Company's jurisdiction. Work is also underway to reduce the risks of untreated wastewater discharges from heat generation facilities.

Inventory of remaining facilities and formation of plans for wastewater treatment is planned for 2023-2024.



SDG 6, SDG 9, SDG 12

**By 2030, minimise non-production water losses through technological optimisation**

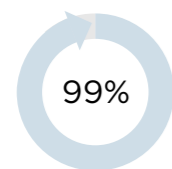
**Progress:** Ongoing analysis of the water consumption and wastewater disposal of coal facilities in order to identify unproductive losses and means to reduce them.



SDG 7, SDG 9, SDG 11, SDG 13, SDG 15

**Increase use of alternative energy sources by 2030**

**Progress:** Metal segment: completed.



Over 99% of energy used by aluminium smelters is from low-carbon renewable sources (including over 98% hydropower).

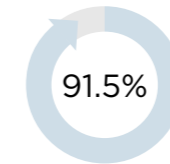
Power segment: The Power segment is increasing the production of renewable electricity through the construction of new HPPs and increased efficiency of existing HPPs.



SDG 6, SDG 12, SDG 15

**By 2025, deploy recycled water systems for main processes in the Metals segment**

**Progress:**



is the total share of recycled water used for production needs of enterprises in 2022



SDG 7, SDG 9, SDG 11, SDG 13, SDG 15

**Reduce the average carbon intensity of generated and consumed electricity**

**Progress:**

1. Construction of new HPPs and further development of renewable energy sources
2. Energy efficiency improvement projects
3. Research on optimisation of the Group's CHP operational regimes to minimise fuel consumption per unit of energy produced



SDG 7, SDG 9, SDG 11, SDG 13

**By improving hydropower plant efficiency, increase clean electricity generation by 2.5 TWh, from the same amount of water passing through the turbines, and prevent over 2.5 million tonnes of CO<sub>2e</sub> emissions per annum from 2025**

**Progress:**



Increase in clean energy generation by 2.5 TWh



Annual prevention of over 2.5 million tCO<sub>2e</sub> emissions

Annual hydropower production increased by 1.9 TWh, preventing emissions of 2.23 tCO<sub>2e</sub> (relative to the 2007 baseline) due to partial replacement of demand of CHP generated electricity. The drop in progress from 2022 is due to the low water period on the Yenesei River.



SDG 6, SDG 12, SDG 14, SDG 15, SDG 17

**By 2024, develop programmes and action plans for biodiversity conservation for pilot facilities (for three existing operational facilities in each segment)**

**Progress:**



Metals segment (one of three stages completed for each facility)



Power segment

SDG 6, SDG 12, SDG 14, SDG 15, SDG 17

**By 2030, develop programmes and action plans for biodiversity conservation for the Group's facilities with identified biodiversity risks**

**Progress:**

Metals segment: potential impacts on biodiversity are assessed and ecosystem services are reviewed for facilities that are certified according to ASI standards. Currently, such work is being completed at 3 out of 13 certified enterprises.

Power segment: on course.

<sup>1</sup> Scope 1, Scope 2, and certain categories of Scope 3

# SOCIAL INITIATIVES

The core of any business is its community. Our community is not just company employees — it is our teams, local communities of the regions we operate in, our customers, all our stakeholders and shareholders. To many of these groups we are an essential part of their lives, and thus we seek to establish a cycle of mutual benefit.

En+ comes together with the communities that surround us to create a healthy, sustainable and welcoming environment in all our regions of presence.

Our social-oriented projects and initiatives are not limited to the ones listed here. We support not just the youth and their education, but the elderly and veterans of the workforce as well. Our efforts to improve our cities of presence extend further to housing provisions and construction, renovation of monuments and culturally significant sites, as well as to the development of sustainable tourism in order to diversify and boost local economies.

## The world with a +

In order to further engage in the environmental agenda of the Company, En+ actively engages and supports local communities through volunteer initiatives, grant competitions, and close collaboration with NGOs.

See:

- [Project 360 \(page 28\)](#)
- [Ecological Grant Competition \(page 29\)](#)
- [Collaboration with NGOs \(page 29\)](#)

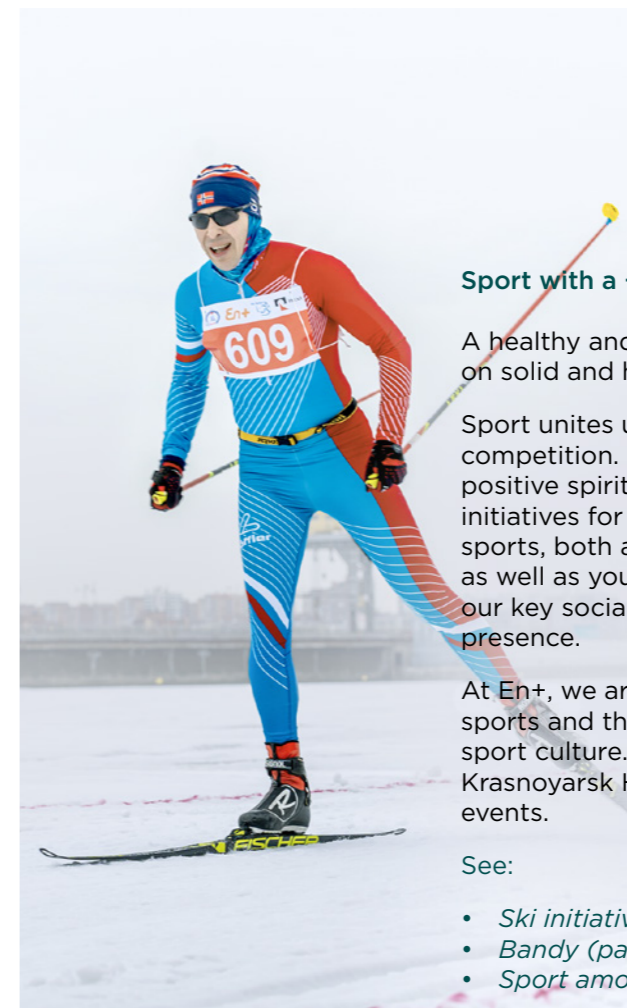
## Knowledge with a +

The youth is our future. Our responsibility to the younger generation is both moral and economic. The more educated our children are, the more opportunities they will have and will create, the more our society will flourish economically. As a company operating in the energy sphere, we seek to engage students in sciences, robotics, and engineering. These young people will grow up to be the inventors, creators and problem solvers — an essential member of any team.

Our education initiatives are shaped to bear impact in the long term and bring benefit to both our society and our business.

See:

- [Energy in Every Drop \(page 35\)](#)
- [Robosib 2023 \(page 35\)](#)
- [MultiLab \(page 36\)](#)



## Sport with a +

A healthy and sustainable future must be built on solid and healthy foundations.

Sport unites us. Sport creates healthy competition. It also promotes health and a positive spirit. En+ has been supporting sports initiatives for many years. The development of sports, both at amateur and professional level, as well as youth sports has always been among our key social focus points in our regions of presence.

At En+, we are proud of our participation in sports and the development of the corporate sport culture. For example, employees of the Krasnoyarsk HPP regularly hold internal sports events.

See:

- [Ski initiatives \(page 33\)](#)
- [Bandy \(page 33\)](#)
- [Sport among colleagues \(page 33\)](#)



## Cities with a +

As the largest business present in most of our cities and towns of presence, we believe it is our duty to ensure these cities are inviting to families. As the world faces mass urbanisation and people fleeing from smaller to larger cities, we show our communities that a high level of comfort, especially for young families, can be achieved through life in smaller towns.

See:

- [Playgrounds \(page 39\)](#)
- [Parks \(page 39\)](#)



## ALIGNMENT WITH THE FOLLOWING NATIONAL DEVELOPMENT GOALS:

- Preservation of the population, the health and welfare of the people
- Comfortable and safe environment
- Digital transformation

The climate crisis has remained one of the most pressing sustainability issues for over a decade. We are proud to be a company focused on supporting global climate change mitigation efforts.

Climate leadership is reflected at the very core of our company. This is reflected through our Net Zero goal, the synergy between our segments (with the Metals segment relying on the renewable, clean energy generated by our Power segment) and our endeavours to accelerate climate mitigation efforts.

### 7 AFFORDABLE AND CLEAN ENERGY



#### Expanding the agenda

En+ ensures a strong climate focus not only within its own internal corporate structure, but on a national scale as well. En+ Group's Chief Sustainability Officer heads the Climate working group of the national ESG Alliance, ensuring that leading companies invest in initiatives that will help shape the future national climate agenda. Initiated projects focus on transparency and creating incentives for more businesses (SMEs included) to join the efforts.

### 13 CLIMATE ACTION



#### Aligning with global best practice

En+ remains committed to achieve Net Zero emissions by 2050 and a GHG reduction of at least 35% by 2035. We continue to revise said roadmap for achieving these goals in accordance with the recommendations provided by the Science-Based Targets Initiative (SBTi). Since 2021, En+ releases an annual report on our progress on achieving the goal. Our primary focus remains on decarbonising our processes, rather than on the sole offsetting of emissions.

Likewise, En+ continues to report its GHG emission data to the CDP and IAI. The Metal segment actively continues work on the ASI certification.

#### Reducing Scope 3 emissions

Today, En+ is one of the few large aluminium producers that has set itself a Net Zero target that incorporates all three scopes.

By engaging in the development of a voluntary renewable energy certificates market, and by selling green energy certificates to major transportation companies, En+ helps reduce not only emissions of its partners, but Scope 3 emissions of all those partnering with them as well. Other programmes are being implemented within the Company to reduce our Scope 3 emissions as well.

# MARKET TRANSFORMATION TOWARDS LOW-CARBON



## ALLOW

ALLOW is RUSAL's proprietary low-carbon aluminium brand that offers customers future-proof advantages. ALLOW comes from smelters powered by more than 95% low carbon energy.

The average carbon footprint of ALLOW is 2.3 tCo<sub>2</sub>eq (Level 1 in accordance with IAI Aluminium Carbon Footprint Technical Support Document v1.0). It is guaranteed by contract and is traceable to individual smelters through independently audited carbon footprint and energy source statements. As of 2022, more than 13 of RUSAL's sites are certified against both ASI standards. ALLOW's share of total sales continues to grow.

 **95%**

clean energy consumption by smelters

## Inert anode

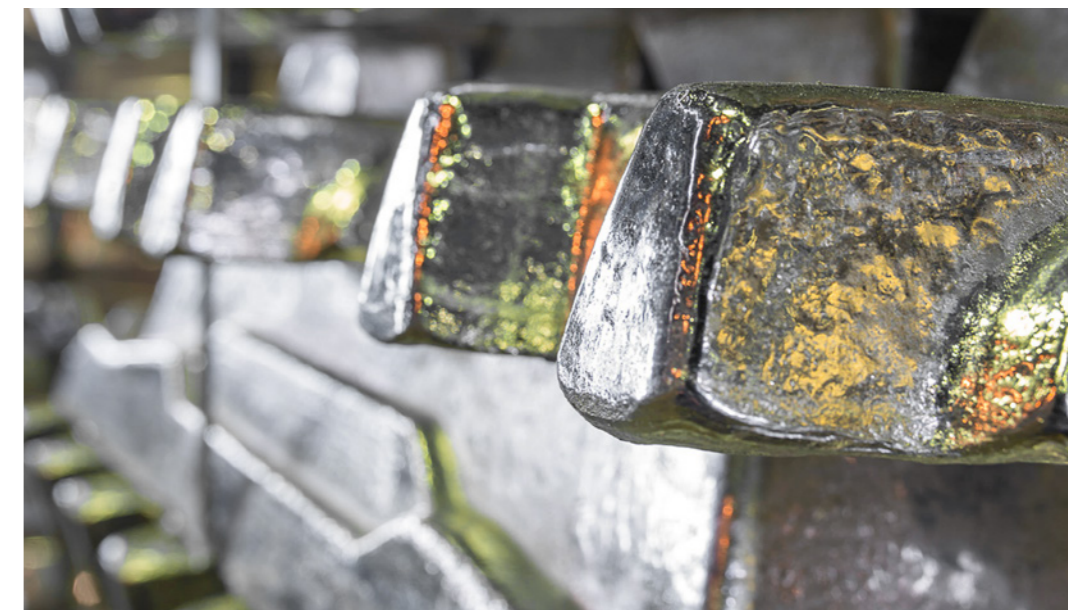
The use of inert anodes in the GHG reduction process is recognised as a revolutionary solution to the decarbonisation of the metal production industry. Inert anode technology replaces classic carbon anodes. The new inert anodes use inert non-consumable materials such as ceramics or alloys. The technology can reduce pollutants, and completely eliminate emissions of greenhouse gases, polyaromatic hydrocarbons, benz(a)pyrene and sulphur from the production process, reduce the cost of production, and automate the production process. RUSAL, the Group's Metals segment, is a global pioneer in the creation and development of this technology. In 2021, test production using this methodology was launched at the Krasnoyarsk smelter.

## Re-shaping the renewable energy certificates market

In 2020, En+ became the first company to start operations on the I-REC market in Russia. When the I-REC system suspended its activities in Russia, En+ reconfirmed its commitment to the energy transition and continued to supply renewable energy certificates through Carbon Zero, a national voluntary mechanism.

**30** mln +  
**Carbon Zero**

certificates supplied by En+ in 2023





# SUSTAINABLE

## National hydropower sustainability assessment methodology

The development of a national system for assessing hydropower compliance with sustainable development criteria (Assessment System) was initiated by En+ in cooperation with the Association “Hydropower of Russia” in 2018. Already in 2020, version 1.0 of the Assessment System was established. Its approbation took place in 2021 across six hydropower facilities, including the Krasnoyarsk HPP. The system evaluates HPP activities through more than 360 criteria across environmental protection, socio-economic responsibility and corporate governance efficiency. Today, the Assessment System is a unique, detailed set of industry ESG metrics.



## “New Energy” programme

In 2022, we continued the implementation of our “New Energy” programme, set to increase clean energy generation and offset energy demand from coal powered plants of the region:

- Two new impellers were installed and two more were delivered to the Krasnoyarsk HPP to be replaced on hydroelectric units in 2023.
- At the Irkutsk HPP, a new hydraulic unit with a 30% increase in production capacity was installed and launched.
- An impeller was replaced and a new hydraulic unit was launched at the Bratsk HPP.

# 1.93 bln kWh

increase in electricity generation at the Irkutsk, Bratsk, Ust-Ilimsk and Krasnoyarsk HPPs

## HPP adaptation to climate change

Siberia’s current rate of warming is 0.4°C every 10 years, twice the global average rate. The precipitation regime is also changing. A 2-3% decrease in annual precipitation in the upper Selenga River region, combined with warming temperatures, leads to a reduction in the water flow. According to scientists, by the end of the XXI century, the flow of the river may decrease by 25%.

En+, together with the Institute of Water Problems RAS and the Institute of Global Climate and Ecology, have begun to study the possible consequences of climate change on the Angara HPP cascade. During the reporting period, an analysis of actual and forecast trends of climate change in the region was carried out, a hydrological model was formed and a register of climate risks for the HPP cascade was compiled.

## GHG inventory of hydro reservoirs

The emerging international scientific position is that HPP reservoirs both emit and absorb GHGs. Studies suggest that boreal reservoirs emit less than the global average. En+, rather than follow global averages, has committed to measure the exact impact of our reservoirs.

During the ice-free period of 2020–2022, studies were conducted to measure GHG emissions at the Bratsk, Ust-Ilimsk and Irkutsk HPP reservoirs. In 2022, additional winter measurements were conducted at the Bratsk reservoir (through measurements of methane concentrations in the ice). Results confirm that methane emissions from En+ reservoirs are among the lowest of the world’s boreal HPP reservoirs.

Based on these results and the results from other members of the “Hydropower of Russia” Association, national greenhouse gas emission coefficients for Russian HPPs will be developed by the end of 2023.

Krasnoyarsk and Onda HPP reservoir measurements will be conducted in the near future.

# GREEN ENERGY BEYOND HYDROPOWER



## Solar

En+ is exploring means to expand solar energy production, where the production potential can reach 25 MWh. Current Abakan Solar Power Plant capacity is at 5.2 MW.

## Wind

En+ is exploring the possible construction of a series of wind turbines, along with the required networks and infrastructure, in Blagoveshensk in eastern Russia. The project will support regional development, and contribute significantly to the regional economy.

Expected capacity of the project is up to 1,058 MW.

## Hydrogen

En+ recognises the central role green hydrogen will play in the future energy system. Current projects focus on hydrogen fueled transportation and hydrogen charging stations across up to six pilot regions, as well as the development of containers for long-distance hydrogen transportation. The challenge of safe transportation of hydrogen is one of the main barriers to the swift development of the hydrogen economy. En+ is confident that we can contribute to its development.

# GREEN MILLION



## Tree planting in Buryatia

On June 15, 2023, as part of the “Green Million” project, eco-activists, with help from En+, planted over 25,000 pine seedlings across five hectares of previously burned down forest. Over the next few years, specialists of the Bichursky Forestry will monitor the growth and reforestation process, which will increase the degree of survival of trees to 90%.

## Reforestation

In 2019 and 2020, we planted more than 1.1 million seedlings in the Krasnoyarsk Territory and Irkutsk Region on an area exceeding 520 hectares. In order to ensure survival rates, the seedlings will be monitored and the area will be managed up to 2025. This assists in ensuring the development of natural biodiversity in the area.

Forest management efforts were taken in 2022 and will be continued in 2023. In the reporting period, 1,305,320 pine seedlings were planted on a total area of 363.2 hectares in the Komi Republic.

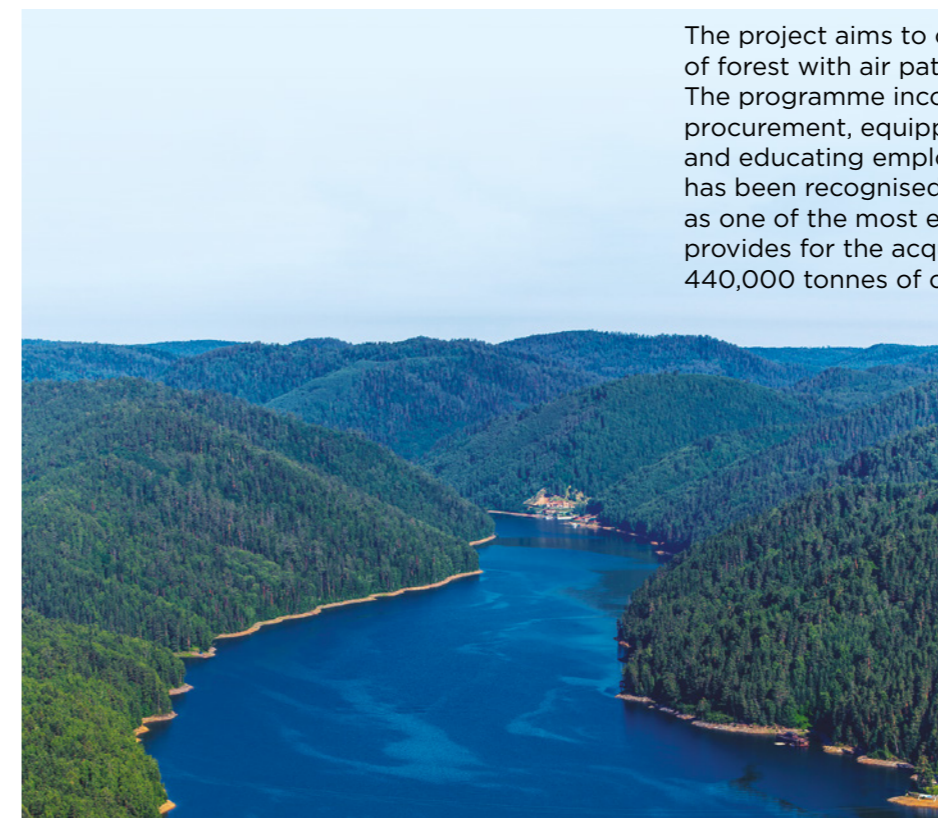
 **1.3 mln**

pine seedlings planted in the Komi Republic in the reporting period

## Aerial forest protection

Siberian forests are at high risk of fires and require both restoration and protection on an ongoing basis.

The project aims to cover 505,000 hectares of forest with air patrols to prevent fires. The programme incorporates equipment procurement, equipping paratroopers, hiring and educating employees. This climate project has been recognised by the expert community as one of the most effective in Russia, as it provides for the acquisition of approximately 440,000 tonnes of carbon dioxide per year.



# ENVIRONMENTAL STEWARDSHIP



## ALIGNMENT WITH THE FOLLOWING NATIONAL DEVELOPMENT GOALS:

- Preservation of the population, the health and welfare of the people
- Comfortable and safe environment

In line with the UN Decade on Ecosystem Restoration, En+ has maintained and accelerated its commitment to operate sustainability and support our surrounding ecosystems.

As the world grows more conscious of its ecological footprint, we pride ourselves in our long-standing history of ecosystem protection and in our growing efforts to increase preservation and restoration efforts. The company continues to support scientific monitoring expeditions, and works closely with the scientific and expert communities to shape corporate programmes, policies and projects.



6 CLEAN WATER AND SANITATION



### Policies

Both our Metals and Power segments have their own Environmental and Biodiversity Conservation Policies in place, which allow to account for their respective industry specificities.

### Ecosystem programmes

To ensure local ecosystem demands are understood and met, both segments are actively working to develop facility-specific biodiversity conservation programmes. Within the Metals segment, programme and action plan development consists of 6 stages, with stages 1-3 taking place in 2023-2024. In 2023, biodiversity conservation programmes will be developed for three pilot enterprises: Timan Bauxite, RUSAL Kamensk-Uralsky, and RUSAL Bratsk in Shelekhov.

In June 2023, completion of stage 1 allowed us to shape our understanding of the local characteristics and features of biodiversity and ecosystems, identify zones of influence, our main impacts and risks, as well as the key stakeholders. Further, concrete projects, regulations and goals will be suggested, all linked to the specificities of each operational region.

For the Power segment, a Biodiversity Conservation Programme was developed and put into force for three pilot facilities — Irkutsk, Bratsk and Ust-Ilimsk HPPs. The programme incorporates an action plan for biodiversity conservation and a draft proposal for scientific monitoring. In 2024-2025, field studies will be carried out in the zones of direct influence of the three HPPs in order to verify the provisions of the Programme. Measures to mitigate impacts on biodiversity are already mid-implementation.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



15 LIFE ON LAND



# WASTE MANAGEMENT

## Increase of recycling share and waste reuse

In the Power segment, measures are being taken to maximise ash waste recovery as well as their large-scale use. Environmental criteria are being introduced for purchasing goods and services to minimise waste generation.

## Safety of RUSAL tailing dams

The rehabilitation of the land we use in our mining, refining and smelting operations is one of our key responsibilities. Detailed plans are developed for every site, starting from the design and construction stage, for which qualified experts are involved. To ensure the safety of tailing dams we continue to develop comprehensive plans for land reclamation and decommissioning of ash and mud dumps. Monitoring and control of waste disposal facilities are carried out in accordance with environmental legislation.

A roadmap to advance sludge storage technologies has been developed in line with ASI standards.



## Green Office

The implementation of the “Green Office” is one of the mechanisms of transition to a green economy, which in turn will support the sustainable development of society. In early 2023, a separate waste collection system has been implemented across all our Irkutsk offices and HPPs, with three thermal power plants to join the programme by the end of the year. Throughout 2023, “Green Office” and recycling seminars are held for En+ employees, who are separated based on their roles within the company. Likewise, in 2023, a mandatory educational course for all employees will be developed. The programme has been implemented in the Moscow office since 2022 and has already shown its effectiveness.



 **89.2** ha

of land was recultivated in 2022



## Dry bulk waste storage

The company developed a roadmap for optimising the safe storage of bauxite mud. The reduction of the moisture content of the mud and the dry storage technology will reduce its fluidity and the required storage space. This, together with other measures, leads to a reduction in the scale of possible environmental impact of the storage process. Dry storage also facilitates the recycling and future use of waste.

## Land reclamation and processing of bauxite residue

The raw material for the production of aluminium – alumina – is obtained from bauxite and nepheline ores. “Red mud”, a bauxite residue, is a by-product of aluminium production. In order to ensure the correct storage – residue storage areas are required. Residue storage areas undergo technical audits and are monitored to ensure compliance with all required environmental regulations.

We recognise our obligation in the restoration of land used in ore mining, alumina and aluminium production. Action plans and roadmaps for the decommissioning of each production complex and for the recultivation of the land are in place.

In support of a closed-cycle economy, and despite limitation caused by the remoteness of potential consumers and little demand, we seek to redirect red mud into further production. Aughinish Alumina Ltd., our alumina smelter in Ireland, continues to participate in major research projects: RemovAL focuses on advancing technologies for the sustainable processing of bauxite residue, ReActiv brings together 22 partners from 12 countries to produce cement with alumina bauxite residue.

Russian alumina enterprises are also engaging in the agenda. Achinsk and Pikalevsky alumina plants have transferred over 1.5 million tonnes of red mud for further use.

# PRESERVING FRESHWATER ECOSYSTEMS



## Sewage treatment at HPPs

Wastewater treatment equipment across En+ HPPs is being upgraded to ensure alignment with best practices and available technologies, as well as compliance with the latest requirements. After the modernisation of the treatment facilities, the collection and treatment of wastewater generated at both the HPP itself and infrastructure HPP-connected facilities shall be more efficient.

Projects across the Irkutsk, Bratsk, Ust-Ilimsk, Onda and Krasnoyarsk hydropower plants are in various stages of development.



## Baikal water quality and ecology monitoring

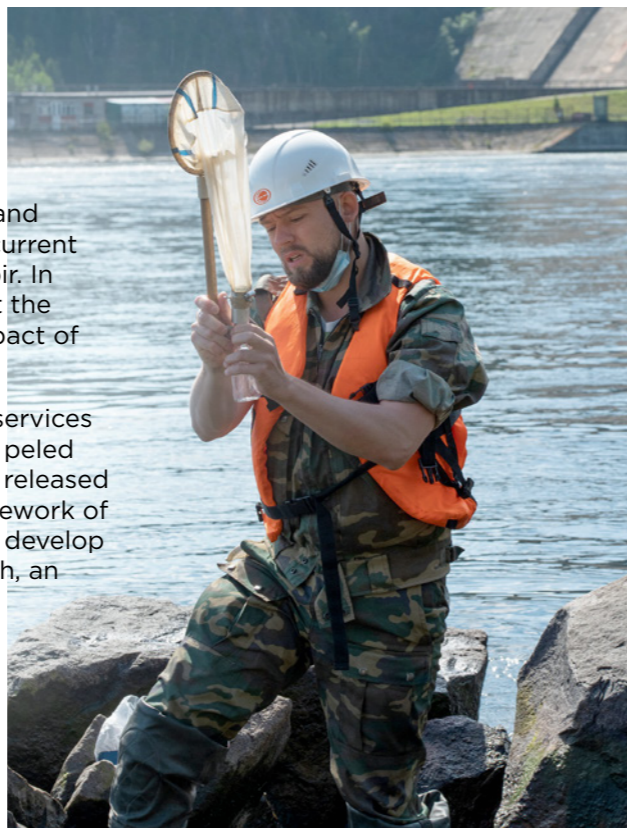
With the support of En+ Group, scientific monitoring of Lake Baikal has been conducted since 2019 by a group of scientists under the auspices of the Severtsov Institute of Ecology RAS. The monitoring assesses the water quality in the lake and its river system, pollutants, analyses of the content and distribution of microplastic particles. Past results show a high anthropogenic impact on Lake Baikal. Scientists conclude that Lake Baikal's microplastic concentration is comparable to the Great Lakes of the USA and Canada, which are subject to a much higher tourist load.



## Aquatic ecosystems

In 2022, together with the Institute of Biology of Inland Waters RAS, research was carried out to study the current state of the aquatic ecosystem of the Bratsk reservoir. In the course of the work, data obtained indicated that the ecosystem is in a good condition with negligible impact of En+ enterprise activities on its condition.

In order to ensure greater availability of ecosystem services for the population of the Irkutsk region, 0.66 million peled juveniles (valuable commercial species of fish) were released into the Bratsk reservoir. In addition, within the framework of the En+ Grant Competition, work was carried out to develop an innovative aquaculture for the Isachenko whitefish, an Angara River species.



## Monitoring of River Vym

Since 2000, we have been monitoring aquatic biological resources on the River Vym. The purpose is to study the state of aquatic biological resources and quality of surface waters, which ensure the welfare of fish populations throughout the entire life cycle. Overfishing has been identified as the main factor limiting the size of the fish population. Throughout the long-term observation period, the quality of surface waters and the state of aquatic ecosystems remains stable and meets the requirements of the aquatic population living in clean natural ecosystems. The soils of the watercourse bed do not carry visible man-made erosion pollution.



## Day without nets

Together with local fisheries protection authorities, En+ organised the search and recovery of abandoned and lost fishing nets from lakebed of Lake Baikal. Such fishing nets not only lead to the death of the inhabitants of the lake — fish, birds and other animals, but are also sources of contamination of reservoirs with microplastics. An expedition of eight professional divers with a specially equipped vessel allowed for a week-long expedition to locate and extract more than two tonnes of nets from the Baikal lakebed.

# PROTECTING LAND BASED BIODIVERSITY



## Biodiversity preservation

In order to implement a Unified Biodiversity Conservation Policy, a biodiversity conservation programme has been developed for three En+ Energy segment pilot facilities – Irkutsk, Bratsk and Ust-Ilimsk HPPs. This is the first national example of such document development for HPPs.

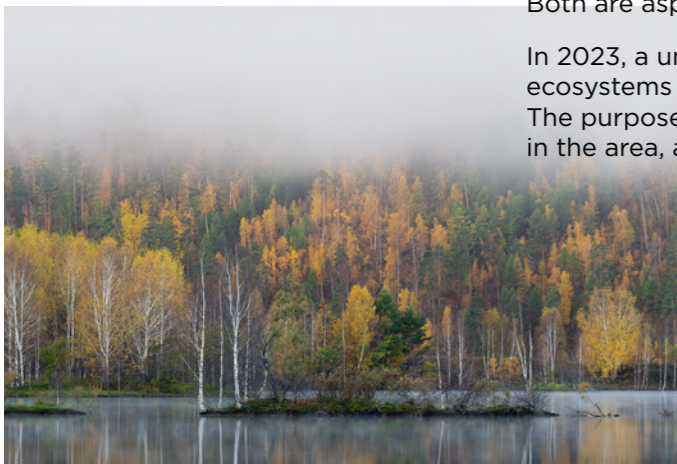
The programme incorporates both existing and newly proposed measures for biodiversity conservation. All are structured and summarised in detailed action plans for each HPP, with stakeholder engagement as a key element. As a result, a number of activities are implemented.

Instructions for handling wild animals have been put into effect across all our HPPs, which will allow employees to ensure their own safety and safely return a wild animal to its natural habitat.

## Monitoring of Baikal protected areas

One approach to nature protection is the establishment of specially protected natural territories (protected areas). Protected areas focus on minimising and carefully controlling anthropogenic impact. Together with water and air pollution control, protection and rational use of flora and fauna, protected areas are a way to preserve both healthy human habitats and ecosystem stability. Both are aspects ensuring national security.

In 2023, a unified integrated monitoring system for coastal ecosystems across Baikal protected areas will be developed. The purpose is to unify and consolidate monitoring approaches in the area, as well as the creation of a single database.



## Environmental monitoring of protected areas of the Sayan region

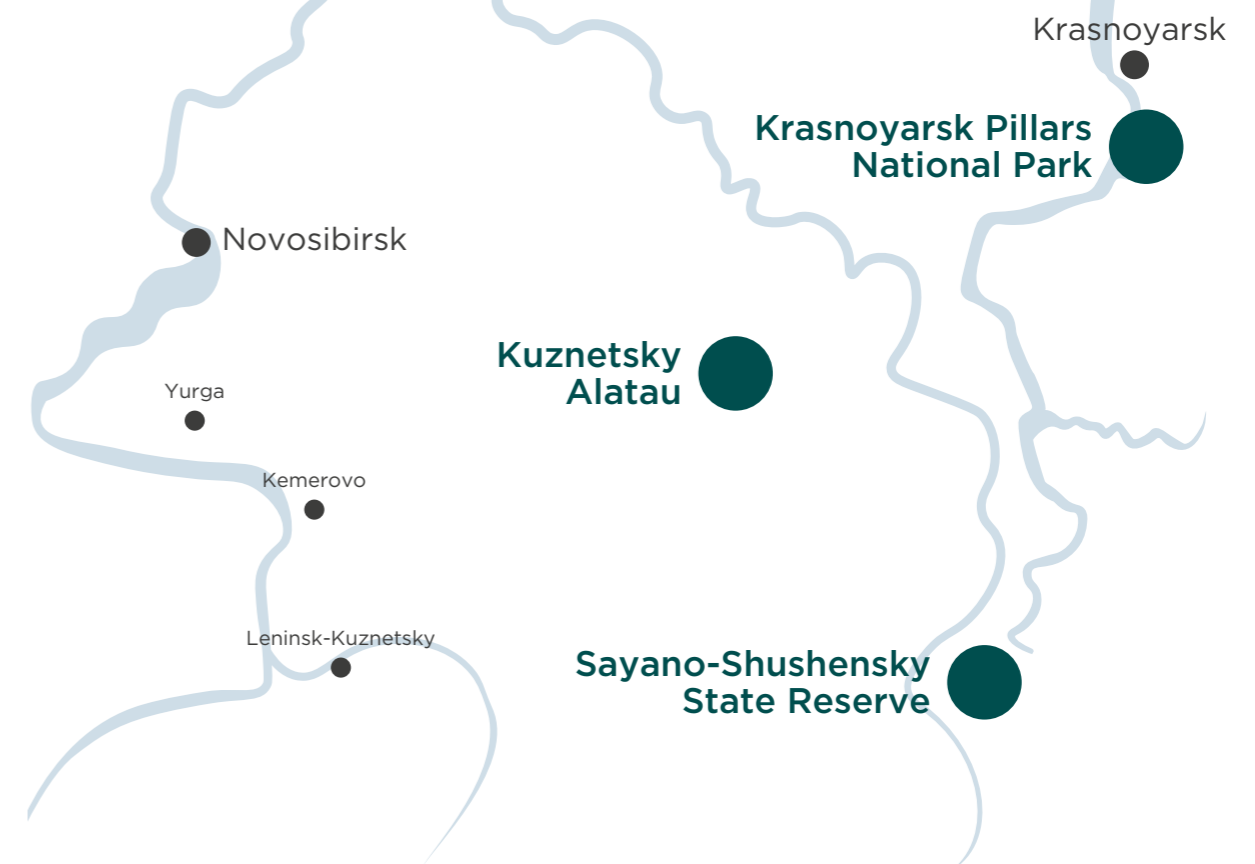
Despite the almost 100-year history of research in the area, in 2022, at the Krasnoyarsk Pillars National Park, scientists from the Institute of Water and Environmental Problems of the SB RAS identified 10 aquatic organisms (zooplankton) which were new to the area. A Booted Warbler (lat. *Iduna caligata*) was also spotted for the first time in the territory. An additional 16 new species of flora were also discovered in the park.

Initially, six snow leopards were registered in 2022 on the territory of the Sayano-Shushensky Reserve and adjacent areas. Later that year, scientists noted the appearance of 3 kittens. Appearance of offspring and new snow leopards on the territory once again confirm the effectiveness of the ongoing programme for the restoration of the species across the Reserve.

In cooperation with the Kuznetsky Alatau State Nature Reserve, biological assessment of the quality of the environment, the state of biodiversity, of the impact on the state of rare plant species and on the state of the main forest-forming species is carried out.

 **16 new species of flora**

also discovered in the park within the monitoring programme framework



# ECO-INVOLVEMENT

## Project 360

Project 360, one of the largest volunteer eco-initiatives in Russia, continued to flourish well into its 12th year. In 2022, in-person events took place across 9 cities of En+ presence. Together with the online initiatives, more than 4,000 volunteers joined Project 360 and collected over 34,000 kg of trash.

Project 360 also expanded to share ecological awareness across local communities through publications, informative advertising campaigns and thematic street art.



# 30,000+

 kg of trash

collected in 2022

# 4,000

 volunteers

joined Project 360 in 2022



## Environmental Grant Programme

Launched in 2020, our Environmental Grants Programme is designed to boost community sustainability initiatives. Within the programme's framework, grants are allocated on a competitive basis to NGOs in the field of environmental entrepreneurship, education and scientific research.

In 2022, the Grant Programme expanded to 9 cities, and the grant amount increased to RUB 10 million. 30 experts judged over 200 applications, resulting in 24 winners receiving funding for their own regional initiatives.

Within the framework of the programme, education seminars were held, and guidance was provided on effective project and event management, as well as on instruments of successful fundraising.

# 25

clothing collection containers were set up across Siberian cities over the past two years

## Collaboration with NGOs

En+ works actively to support environmental efforts of local NGOs. Sanitation zones, recycling bins, picnic areas and tourist paths were set up by local NGOs around Baikal with the support of En+. In 2022, together with the Great Baikal Trail association, 12 km of paths were established, another 8 km were cleared and 22 navigation signs were set up.

Likewise, to promote SDG 12, 25 clothing collection containers were set up across Siberian cities over the past two years.

# 10

 mln RUB  
the grant amount in 2022

# 200+

  
applications of regional initiatives



Guided by the UN Guiding Principles on Business and Human Rights, En+ Group ensures that our people remain at the forefront of all decisions across the whole management structure.

From the Remuneration and Nomination Committees at the Board of Directors level, to individual HR and ethics units at each production facility, we ensure that our teams feel supported, safe and provided for.

“Signal”, our internal whistleblowing system, allows all our people to take part in keeping the Group free of discrimination, corruption or fraud.

## ALIGNMENT WITH THE FOLLOWING NATIONAL DEVELOPMENT GOALS:

- Preservation of the population, the health and welfare of the people
- Conditions for self-fulfilment and the unlocking of talent
- Comfortable and safe environment
- Decent and effective jobs and successful enterprise
- Digital transformation

### 3 GOOD HEALTH AND WELL-BEING



#### National Level.

#### Education – Tourism – Awareness

Our education programmes help to not only provide creative ways to educate, but also to boost interest in the engineering profession. Students that go through Energy in Every Drop courses, the Multi-Labs or the Robosib competitions will shape the future workforce and will be the creative minds behind the solutions to many of our challenges today.

### 8 DECENT WORK AND ECONOMIC GROWTH



#### Regional Level.

#### Tourism – Housing – Playgrounds – Energy Infrastructure

The key areas of focus for the Group’s projects are the cities of Irkutsk, Baikalsk, and the coasts of Lake Baikal and the Angara River. These areas are located in the midst of diverse biodiversity ecosystems, and therefore, En+ Group has taken great care to ensure that life and tourism in the region evolves in harmony with nature. Organised and responsible tourism lies at the core of our tourist business.

### 11 SUSTAINABLE CITIES AND COMMUNITIES



#### Personal Level.

#### Healthcare – Housing – Financial aid – Diversity & Inclusion

En+ Group values every individual working for the Company. This is why we provide key social benefits for employees, which include pensions, medical support, financial aid, spa and resort deals, meal provisions, housing programmes, programmes for children and a preferential mortgage programme.



# SUPPORTING OUR EMPLOYEES



## Female representation

Female representation within En+ is in line with the industry average, with women making up 27.6% of the total workforce in 2022. En+ is committed and focused on gender equity.

## Women's Councils

In 2022, Women's Councils were established at RUSAL enterprises, which brought together our female employees as well as the wives of our employees. The Statute on Women's Councils, work regulations, and budgets for the provision of activities were adopted and approved.

Sustainable development of enterprises is the main focus of the Councils. Projects include spreading women's voices in matters of territorial and social development of the cities of the company's presence, volunteer projects, personal development projects, issues of protecting the rights and interests of workers.

## Maintaining health of employees

All En+ employees are granted a voluntary medical insurance policy and free access to corporate medical centres. Medical posts are present at all facilities, and both segments have medical centres in regions of presence, providing employees with high-quality treatment and preventive care.

Employees of the Metals segment and their families are entitled to access 14 branches of medical centres. All Metals segment facilities cooperate with the Izmerov Research Institute of Occupational Health. Comprehensive medical examinations and detection of occupational diseases are conducted regularly.

In the Power segment, employees obtain first aid, pre-shift and post-shift checkups, alcohol tests and preventive medical examinations. In addition, En+ provides annual vaccinations against flu and tick-borne encephalitis.



of specialists within En+ are women



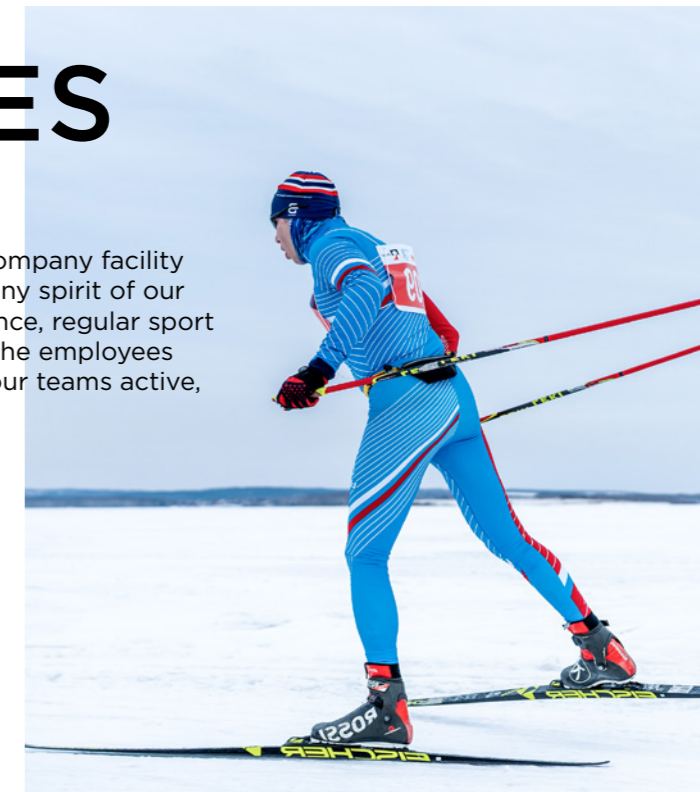
of the En+ Board of Directors is made up of women

# SUPPORTING ACTIVE LIFESTYLES

Beyond initiatives open to the public, each company facility implements measures to maintain the company spirit of our employees. At the Krasnoyarsk HPP for instance, regular sport games and matches are organised between the employees in a specially built sports centre. This keeps our teams active, healthy and full of team spirit.



was invested into advancing cross country skiing among local schools in Angarsk and Divnogorsk



## Ski initiatives

Our "Get on your Skis" programme has been a major part of winter life in Irkutsk and Kemerovo Regions, the Krasnoyarsk Territory, and the republics of Komi and Khakassia since 2016. Events are organised for the public, families and athletes. Over 8,000 individuals took part in the ski day held across 21 cities. From 1,000 participating athletes, 130 took part in the finals in Angarsk. Trainings for ski instructors were organised, and a seminar hosted by Mikhail Ivanov, the Olympic champion was held.

An additional RUB 13.6 million was invested into advancing the sport among local schools in Angarsk and Divnogorsk. 27 schools were provided with 625 sets of ski equipment, covering the demand for 5,420 school kids.

The programme was recognised as a finalist of the Sport Business Awards in 2022.

## Baikal-Energy bandy team

Initially known as "Lokomotiv" (1947-1992), then "Sibskana" (1992-2004), today, the Baikal Energy bandy team is a sporting symbol of Irkutsk. The popular sport unites fans of all ages, professions, religions, and political convictions. The Group has been a proud sponsor of the historic team since 2001 and today is the main partner of the bandy club. Baikal-Energy regularly qualifies for national championships, as well as the World Cup. It is through our support that the club is able to improve, grow, and maintain support from the local communities.

# INVESTING IN EDUCATION

## Corporate University

The EuroSibEnergO Corporate University is the coordinator of training and development of personnel at all levels of the En+ Power segment, including a built-up network of cooperation with schools, colleges and universities. There are 151 professional training programmes, 66 vocational training programmes, 70 courses on the corporate portal. Psychophysiological support of personnel and professional skill contests are conducted.

- **For schoolchildren:** “Energy schools”, “Energy classes”.
- **For students:** targeted training centers, “IT Academy”, “Energy Lab”.
- **For the personnel reserve:** “My career”, “BS-250”.
- **Mandatory training:** mandatory training and retraining of workers, advanced training of managers and specialists, training during pre-certification training, industrial training at landfills, simulator training, training according to the dress-admission system, automated knowledge testing.
- **Employee development:** trainings, master classes, competence assessment, TRIZ development.



## RUSAL scholarship

# 50

international students will receive free higher medical education in Krasnoyarsk

In the spring of 2022, RUSAL announced a competitive recruitment of Guinean students to study at one of the leading medical universities in Russia — Krasnoyarsk State Medical University. Within the framework of this programme, 50 young Guineans will have the opportunity to receive free higher and secondary professional medical education.

The educational cycle of the RUSAL 2022 Scholarship programme is designed for a period of 4 to 9 years (depending on the chosen specialty). The programme will allow the training of highly qualified Guinean physicians: therapists, surgeons, cardiologists, as well as specialists in nursing and laboratory business.

The 50 students arrived in Krasnoyarsk end of January 2023.



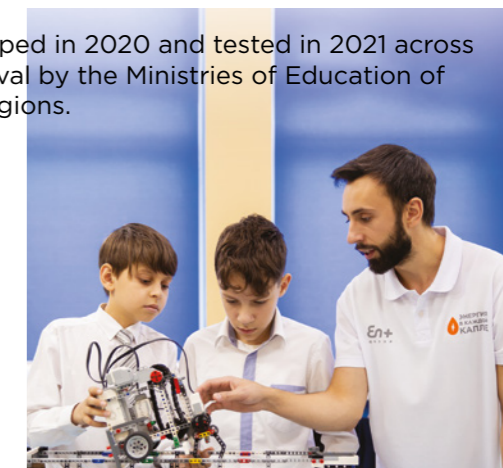
## Energy in Every Drop

130 schools across regions of Russia and Belarus have already introduced the educational course designed to support interest in learning about HPP operations amongst schoolchildren. In August of 2022, a summer event was held at Lake Baikal aimed at providing training for robotics teachers. “Energy in Action” competitions were established for 3 different age groups of students, based on the materials taught within the “Energy in Every Drop” course.

The course was first developed in 2020 and tested in 2021 across 14 schools, following approval by the Ministries of Education of Irkutsk and Krasnoyarsk Regions.

# 130

schools have already introduced the educational course designed to support interest in learning about HPP operations



# 11,000

 robots

built by students over the 8 years of Robosib competitions

## Robosib — 2023

Robosib, the largest robotics festival in Siberia, took place in January 2023. 700 participants aged 4 to 18 formed 86 teams from all around the country. 4,000 attendees watched the teams solve challenges, including ones focused on energy and hydropower generation.

### Multi-Lab

Multi-Lab, a centre for learning, development and communication, as well as a unique multimedia platform, opened its doors in autumn of 2022, in time for the start of the school year. Here, schoolchildren can familiarise themselves with robotics, 3D modelling, video creation, programming, electronics as well as soft skills. Currently located in Irkutsk, Divnogorsk and Krasnoyarsk, the centres offer additional educational programmes for schoolchildren, computer literacy courses for the elderly and are a platform for competitions, conferences and educational festivals.



### Law school at Baikal

We focus on Baikal's ecosystem protection by supporting scientific research and implementing support measures, conducting volunteer initiatives and educational programmes to promote responsible environmental management.

In September 2022, the All-Russian School of Young Legal Scientists dealing with legal problems of environmental protection, nature management and environmental safety met in Irkutsk at a conference organised by the Faculty of Law of Lomonosov Moscow State University. The theme of the event was devoted to the issues of legal support for the protection of Lake Baikal. This event made a significant contribution to the popularisation of unique legal knowledge among young scientists of many national universities.

### School of Ecologists

The Department of Ecological and Climate Risks suggested that the Corporate Training and Research Centre of EuroSibEnergO takes on the training of future En+ ecologists. Curricula of the ecology departments from three local universities has been requested. The materials provided by the Irkutsk National Research Technical University, Irkutsk State University and Bratsk State University help shape the additional education programmes, which account for industry specific demands.

In 2024, students from the three universities will be invited to sign contracts to join this additional programme. This is expected to help eliminate the personnel shortage that has arisen at our remote facilities across Siberian regions.

# CLEAN CITIES



### Assessment of the Yenisei River's impact on air quality

The research by the Institute of Computational Modelling of the SB RAS has been ongoing since 2019, with the support of En+.

Long-term observations resulted in the obtaining of a unique set of data on the state of the atmosphere in Krasnoyarsk and directly above the river. Collection, systematisation and analysis is carried out using specially developed software.

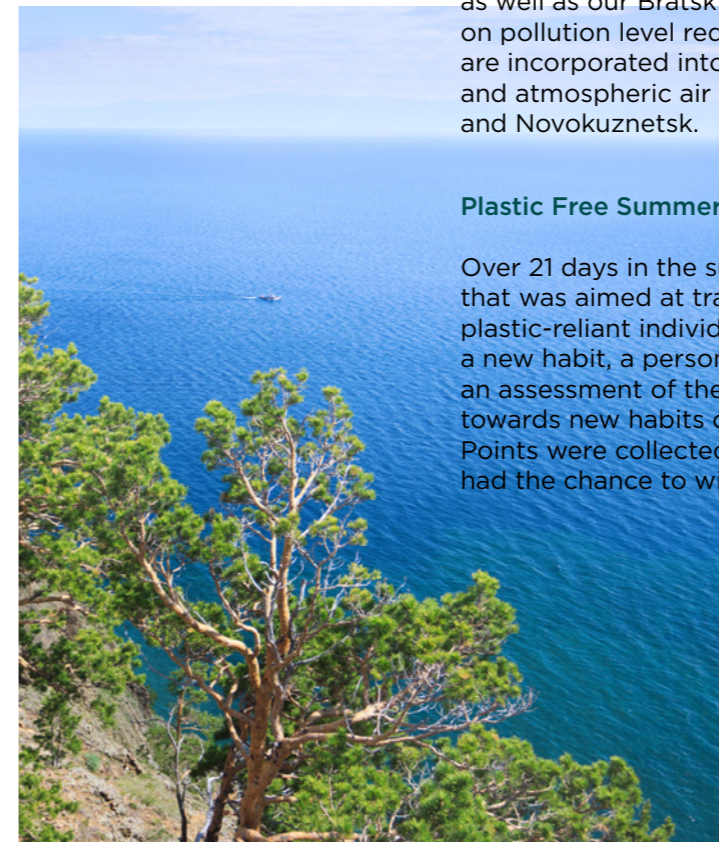
The results demonstrate the absence of a negative effect of the winter river fog on air quality. The newly established network of digital air monitoring can become the basis for a promising system of "smart" air quality management in Krasnoyarsk.

### "Clean Air" Federal Ecology Project

Our Krasnoyarsk, Bratsk and Novokuznetsk aluminium smelters, as well as our Bratsk CHP take part in the Federal Ecology Project on pollution level reduction. The plants' emission reduction efforts are incorporated into the comprehensive city pollution reduction and atmospheric air improvement plans in Krasnoyarsk, Bratsk and Novokuznetsk.

### Plastic Free Summer Marathon

Over 21 days in the summer of 2023, En+ hosted an online event that was aimed at transforming habits of everyday single-use plastic-reliant individuals. During the 21 days required to shape a new habit, a personalised AI bot helped guide participants to an assessment of their consumption patterns and guide them towards new habits of recycling and reduced consumption. Points were collected for the challenges and participants had the chance to win prizes.



# SUSTAINABLE CITIES

## EV Charging stations

En+ continues to develop a network of electric vehicle (EV) charging stations in the Siberian region. In 2022, 10 new EV Charging stations of 50 and 100 kW were put into operation. The stations are installed across Irkutsk, Shelekhov, Baikalsk, Tulun, Bratsk, Usolye-Sibirskoye, Cheremkhovo, Ust-Ordynsky, Bayandai, Elan. 8 additional stations are to be launched in 2023.



**64** mln RUB invested in EV charging stations

**18** stations operated across Siberia by En+

## RUSAL Quarter

RUSAL sets the trend for the development of small towns. Life here is quieter than in megacities, yet should be equal in comfort, high-quality and able to shape a new way of life. For these purposes, comfortable modern medium-rise buildings are ideal. The Company began construction of such housing for its employees and specialists. Preparatory work and construction have begun in Achinsk, Divnogorsk, Bratsk. In 2024, construction will begin in the cities of Sayanogorsk, Shelekhov, Taishet, Krasnoyarsk. RUSAL Quarters will help increase the attractiveness of smaller cities and stimulate an increase in labour flow into the cities.

## Investing in local communities

RUSAL continues to support healthcare in Guinea. In June 2020, at the peak of the COVID-19 pandemic, in a record 21 days, RUSAL established a new multifunctional centre in Fria. To aid the local healthcare system, this centre became the second medical facility built by the Company in Guinea. In March 2021, RUSAL delivered 10,000 doses of the Russian Sputnik V vaccine purchased by the Guinean Government to Guinea, as well as 40,000 disposable syringes donated by RUSAL to the Republic of Guinea.

Today, the centres remain in operation and are open to both our employees and to the local populations.

**1,300** m<sup>2</sup> skate park built by the Company in Chita

## Playgrounds

Playgrounds are an essential component of any city or town. These open spaces allow and encourage families to spend time outdoors, and effective playground planning helps promote an active lifestyle among kids.

In 2022, in response to demand from the local population, the Company built a playground in Chremkhovye and a 1,300 m<sup>2</sup> skate park in Chita. In 2023, Chita hosts an extreme sports championship, and the skate park will be among one of the facilities used throughout the championship.



## Square in Honour of Hydropower Builders

Hydropower holds a significant role in the history of Siberia's development. In Irkutsk, En+ has committed to fund the reconstruction of a square dedicated to those who have built the HPPs, which to this day remain central to Siberian life. Green zones, bike and pedestrian paths, lighting and seating were set up in the dedicated zone. At the centre of the square stands an art installation of a hydropower turbine.

# RESPONSIBLE TOURISM



The modern guest has become sensitive to business' compliance with the principles of social and environmental responsibility. Tourism and hotel business, in turn, are becoming increasingly committed to Sustainable Development Goals.

## LEGENDA Hotels

The "LEGEND Hotel Group" is the En+ brand of 4-star hotels located in key tourist regions across Russia. The Hotel Group fully supports eco-initiatives and trends implemented by En+ Group. In order to adopt the principles of sustainable development, it actively implements projects and measures to reduce the Group's negative impact on the environment.



### CONSCIOUS CONSUMPTION

- **Implemented:** controlled use of water resources and renewable energy consumption.
- **Advantages:** reduction of the negative impact on the environment through the reduction of natural resource consumption, cost savings through reduced utility bills.



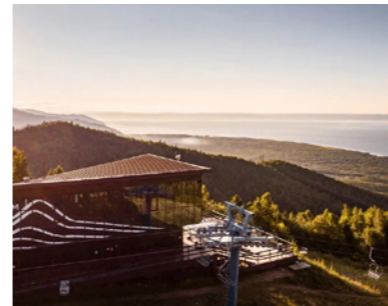
### WASTE COLLECTION

- **Implemented:** recycling of plastic and paper. Planned measures: recycling of glass, rubber and aluminium.
- **Advantages:** preservation of trees and other natural resources, obtaining recycled (or partially-recycled) materials (paper, building materials), reduction of disposal costs, formation of a socially and environmentally responsible company brand.



### ECO-CLEANING

- **Implemented:** transition to biodegradable chemicals and packaging, use of eco-friendly items for individual consumption (bathroom accessories and other accessories — now from recycled materials). Planned measures: introduced system of prepared mops (cleaning products); use of wireless vacuum cleaners.
- **Advantages:** use of biodegradable chemicals allows for the prevention of harm to the environment, water resources or health; use of wireless technologies reduces electricity consumption; avoidance of cross-contamination; reduction in water consumption; increased labour productivity; reduced chemical supply cost.



## Uniting people and nature

The very presence of hotels — in unique natural areas — is aimed at forming a sense of unity, an indissoluble connection of a person with nature, the need to protect it.

The Burduguz Park Hotel is located in one of the most picturesque places in the Irkutsk region: in the bay of the Angara River, in the middle of the century-old taiga, not far from the legendary Lake Baikal.

The Sobolinaya Mountain Park Hotel is located on the territory of the ski resort of the same name, on the opposite side of Lake Baikal, surrounded by the Khamar-Daban mountain range and coniferous forest.

At the foot of Gladenkaya Mountain in the Republic of Khakassia, far from large cities and industrial enterprises, in the neighbourhood of pristine forests and ancient lakes, the eco-resort "Gladenkaya" is located.

LEGEND Hotels Group strives not only to show such unique, untouched places in Russia, but also to preserve them for future generations, increasing the level of corporate and social responsibility and drawing attention to environmental issues.

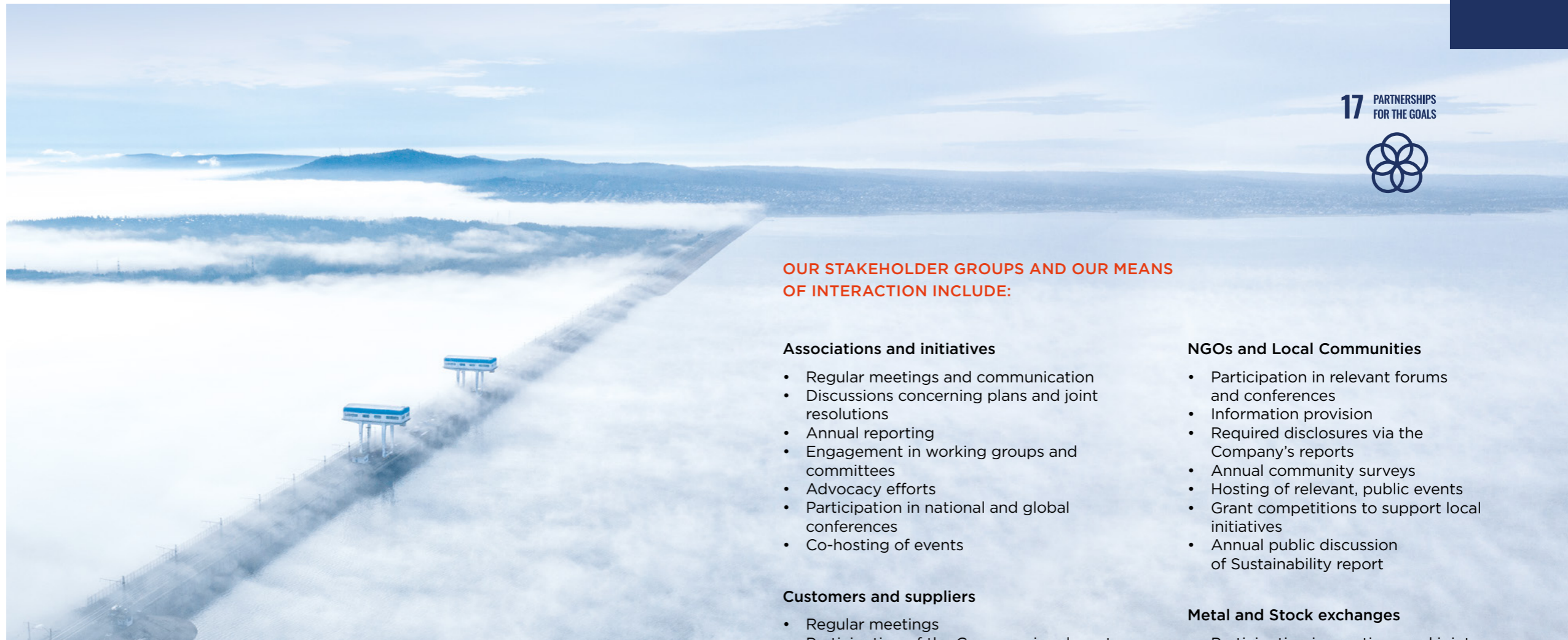
## Irkutsk waterfront

A number of sites are in development and approaching completion on the Tsesovskaya Embankment in Irkutsk. This integrated approach to the implementation of a number of projects is focused on bringing new life to a historical location in the city centre. The sites will form a single well-maintained urban space on the righthand bank of the Angara River. Riverside projects include:

- Kurbatov Spa Hotel — former city baths, a restored object of cultural heritage
- En+ Group head office — En+ recognises that it cannot advocate for regional development if it has a weak presence in the region itself
- Residential zone for our employees and local population on the site of the former CHP-2



# COLLABORATION AND PARTNERSHIPS



17 PARTNERSHIPS FOR THE GOALS



## OUR STAKEHOLDER GROUPS AND OUR MEANS OF INTERACTION INCLUDE:

### Associations and initiatives

- Regular meetings and communication
- Discussions concerning plans and joint resolutions
- Annual reporting
- Engagement in working groups and committees
- Advocacy efforts
- Participation in national and global conferences
- Co-hosting of events

### Customers and suppliers

- Regular meetings
- Participation of the Company in relevant forums and conferences
- Audit of financial, tax and reputational status of suppliers, mandatory technical audit
- Information provision

### En+ employees

- Intranet portal for the employees
- Staff satisfaction surveys
- Corporate Hotline (the Signal hotline)
- Contact with Workers Committees and Unions
- Ethics Officers across the Company's facilities
- Regular open discussions with Company leadership
- Provision of social benefits and healthcare
- Housing support (both construction of housing and mortgage aid)

### Government authorities

- Providing access and required information to the supervisory authorities
- Email communication, official letters
- Participation in workshops, round tables and ministerial, interinstitutional, and regional meetings

### NGOs and Local Communities

- Participation in relevant forums and conferences
- Information provision
- Required disclosures via the Company's reports
- Annual community surveys
- Hosting of relevant, public events
- Grant competitions to support local initiatives
- Annual public discussion of Sustainability report

### Metal and Stock exchanges

- Participation in meetings and joint discussions
- Participation in relevant conferences and forums
- Information provision
- Submission of regular reports on the Company's activities

### Rating agencies

- Information provision
- Required disclosures via the Company's reports
- Official press releases

### Shareholders and Investors

- Regular communications
- Publication of mandatory periodic reports
- Official press releases on various events
- Mandatory information submissions

**THERE IS NO GLOBAL CHANGE THAT CAN BE ACHIEVED WITHOUT MULTI-STAKEHOLDER INVOLVEMENT**

**ALTHOUGH WE ALL HAVE AN INDIVIDUAL ROLE TO PLAY, WHEN UNITED, OUR EFFORTS ARE GREATER, STRONGER AND MORE AMBITIOUS**

The SDG Report examines exclusively corporate partnerships and associations. Our collaboration with our stakeholders does not end there. En+ responds to stakeholder interests and expectations, identifies and mitigates Company's actual and potential negative impacts and receives feedback to maintain long-term constructive relationships with stakeholders.

# ADVOCACY



## KEY STAKEHOLDERS:

- ESG Alliance
- UN Global Compact
- Business and Advisory Committee to the Organisation for Economic Cooperation and Development (BIAC at OECD)
- Business 20 (B20)
- BRICS Business Council
- International Policy Coalition for Sustainable Growth (under the auspices of US Chamber of Commerce)
- Baikal Plastic Free
- International Chamber of Commerce (ICC)

## GOALS:

- Advance the corporate sustainability agenda nationally and internationally.
- Advocate for the shift of the entire market towards a low carbon and low waste future.
- Express corporate support for the green energy transition.
- Urge trade liberalisation of sustainable and low carbon resources.

## ACHIEVEMENTS OVER THE PAST YEAR:

Chief Sustainability Officer of En+ elected as head of the Climate Agenda Working Group within ESG Alliance. Two major projects initiated: interactive resource compiling all national corporate climate efforts and a guide towards climate risk assessment for companies and their supply chains.

Through our partnership with the national ESG Alliance, throughout 2022, En+ participated in providing feedback and suggestions to numerous organisations working to develop national ESG rankings and ratings. These mechanisms will help push national industries towards greater transparency and sustainable business practices.

En+ Group continues to contribute to the work by BIAC at OECD. The Orientation of the 2023-24 Programme of Work and Budget of the OECD Trade Committee includes En+ Group's statements on the need for environmental goods liberalisation and facilitation, and prerequisites for it (e.g. separate customs codes or suitability labelling, etc.)

In 2022, En+ Group was the only Russian company to participate in two B20 taskforces on climate and sustainable development related issues: Energy, Sustainability & Climate Taskforce, and Trade and Investment Taskforce. Company's suggestions on harmonisation of environmental labelling and information schemes (ELIS) and its possible usage on exchange were incorporated in the B20 Trade and Investment Taskforce final document. En+ Group's recommendations on improving the use of existing stocks of materials through enhanced reuse and recycling; and promoting electrification of hard-to-abate sectors using renewable and low-carbon electricity sources where possible were included into the B20 Energy, Sustainability & Climate Taskforce policy paper.

En+ Group continues to chair the Russian part of the Energy and Green Economy Working Group at BRICS Business Council. In the 2022 BRICS Business Council's Annual Report, En+ Group co-authored recommendations on low-carbon and green transportation, taking into consideration national specifics on the establishment of a BRICS business dialogue mechanism to reduce emissions within the framework of nationally determined contributions, which resulted in the foundation of BRICS Energy Cooperation Forum.

In 2022, the International Policy Coalition for Sustainable Growth (launched by the US Chamber of Commerce) incorporated En+ Group's recommendations on the introduction of CO<sub>2</sub> emissions standards for hard-to-abate industries as a part of discussions on the COP27 agenda.

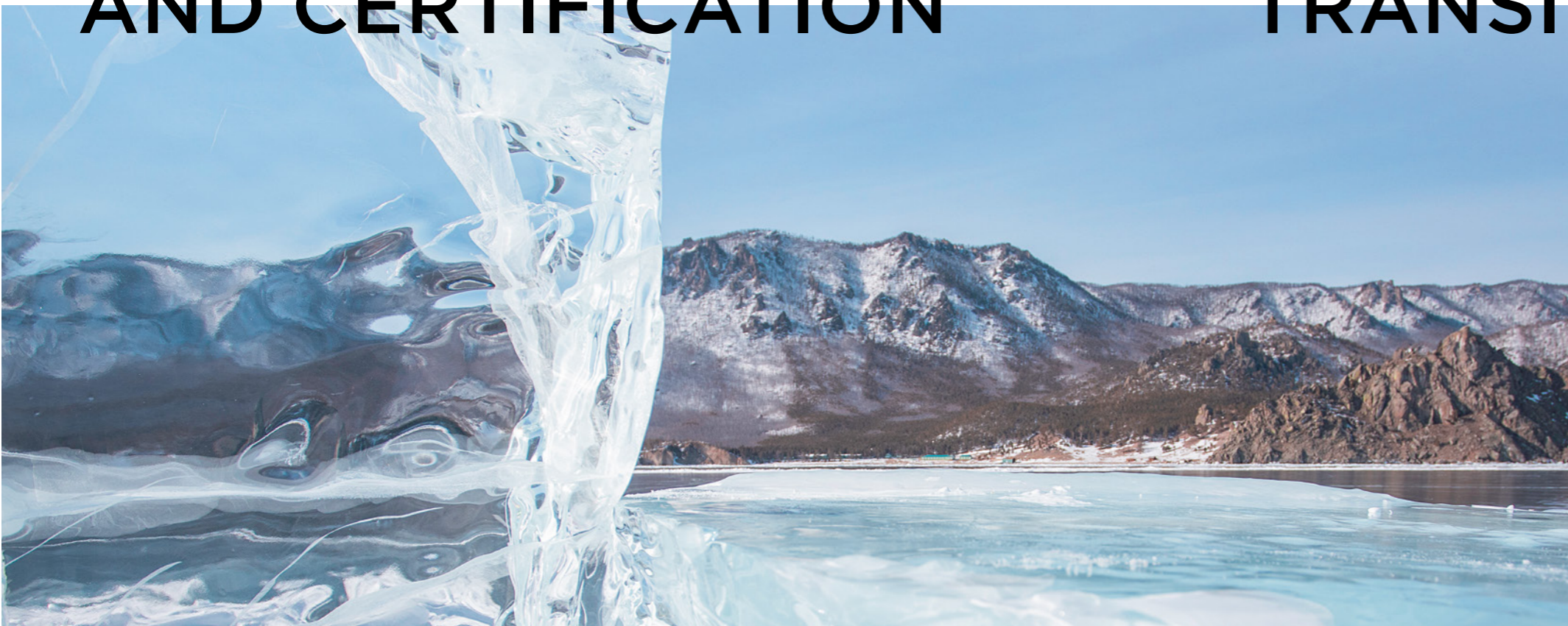
Association Baikal Plastic Free reached 26 members, a conference was held, bringing together tour operators, local businesses and hotels to discuss the trends and challenges of environmentally responsible tourism.

A separate "Baikal Plastic Free" nomination was established within the En+ Grant Competition. Three local initiatives received funding to support the regional battle against plastic pollution.

En+ actively supported Baikal Plastic Free and local government bodies in organising a "Day without Nets" event to collect sunken fishing nets from the bottom of Lake Baikal.

# TRANSPARENCY AND CERTIFICATION

# ENERGY TRANSITION



## KEY STAKEHOLDERS:

- UN Energy
- Hydropower of Russia Association

## GOALS:

- Ensure that the energy transition remains at the forefront of the climate discussions
- Push for standardisation of new and existing hydropower facilities
- Promote cleaner electricity generation, higher efficiency and electrification as pathways towards global development and climate goals.



## KEY STAKEHOLDERS:

- Aluminium Stewardship Initiative (ASI)
- International Aluminium Institute (IAI)
- Carbon Disclosure Project (CDP)
- International Organization for Standardization (ISO)

## GOALS:

- Disclose company emissions in line with international standards and best practices
- Promote industry-wide transparency and disclosure
- Through internationally renowned certification, demonstrate the Company's commitment to sustainability practices and responsible operations



## ACHIEVEMENTS OVER THE PAST YEAR:

First unified En+ Group submission to CDP (previously, submissions were made separately for both segments).

13 RUSAL production and office sites were successfully re-audited against the ASI Performance Standard and ASI Chain of Custody Standard.

En+ entities participated in the ASI Biodiversity and Ecosystem Services Working Group jointly with the International Union for Conservation of Nature (IUCN), Fauna & Flora International (FFI) and the Chimbo Foundation.



## ACHIEVEMENTS OVER THE PAST YEAR:

Together with our partners at the Global Sustainable Electricity Partnership (GSEP), En+ helped set up the annual GSEP Electrification Report 2022. GSEP membership fees provided for the awarding of 17 grants to students studying within the electrification field.

In 2022, En+ Group updated the UN Energy Secretariat on progress against En+ Group's New Energy modernisation programme and En+ Group's Renewable Energy Certificates project, thus maintaining its membership in the UN Energy Compacts initiative to drive the progress on the achievement of SDG 7.

# 17 grants

awarded to university students studying within electrification



# CLIMATE AND BIODIVERSITY



## KEY STAKEHOLDERS:

- Carbon Pricing Leadership Coalition (CPLC)
- Climate Partnership of Russia
- Science Based Targets initiative (SBTi)
- Business Ambition for 1.5C
- Conference of the Parties to the United Nations Framework Convention of Climate Change (UNFCCC)
- Race to Zero

## GOALS:

- Reduce GHG emissions
- Contribute to the global climate mitigation efforts
- Push for greater action among industry peers
- Align corporate climate agenda to global UN-level agreements



## ACHIEVEMENTS OVER THE PAST YEAR:

In September 2022, a year after releasing its Net Zero Pathway, En+ released the first report of its journey to carbon neutrality. On the platform of the Climate Partnership of Russia, En+ and RUSAL representatives presented the progress, followed by a discussion with global climate experts regarding future steps to be taken.

En+ Group and RUSAL remain the only two Russian members of CPLC, a voluntary partnership under the auspices of the World Bank to advance global carbon pricing. In the latest CPLC Carbon Pricing Leadership Report 2021/22, En+ Group reaffirms its commitment to net zero by 2050.

Through a partnership with the World Business Council on Sustainable Development, in the spring of 2022, En+ engaged in the development of the Science Based Targets for Nature.

## NET ZERO

En+ Group's commitment by 2050

Focus area	SDGs	SDG targets
Market transformation towards low-carbon	7, 8, 9, 11, 13, 17	7.a, 8.2, 9.2, 9.4, 9.5, 9.b, 11.6, 13.2, 17.4, 17.15, 17.16
Hydropower one step further	6, 7, 8, 9, 11, 13, 15, 17	6.3, 6.4, 6.5, 6.b, 7.1, 7.2, 7.3, 7.a, 8.2, 9.1, 9.4, 11.6, 13.1, 13.2, 15.1, 15.5, 17.16
Green energy beyond hydropower	7, 8, 9, 13	7.1, 7.2, 8.2, 8.3, 9.1, 9.2, 9.4, 9.5, 13.2,
Green Million	13, 15, 17	13.1, 13.2, 15.1, 15.2, 15.5, 17.14, 17.16
Waste management	4, 9, 11, 12, 13, 15, 17	4.7, 9.1, 9.4, 11.3, 11.6, 12.2, 12.5, 12.6, 12.7, 13.2, 15.1, 17.16
Preserving freshwater ecosystems	6, 9, 11, 15, 17	6.3, 6.4, 6.5, 6.6, 6.b, 9.1, 9.4, 11.4, 11.6, 15.1, 15.5, 15.9, 15.a, 17.14, 17.16
Protecting land based biodiversity	6, 11, 15, 17	6.6, 11.4, 11.7, 15.1, 15.4, 15.5, 15.9, 15.a, 17.14, 17.16
Eco-involvement	6, 8, 9, 11, 12, 14, 15, 17	6.3, 6.6, 6.b, 8.9, 9.4, 9.5, 9.b, 11.4, 11.7, 12.8, 12.b, 14.1, 15.1, 15.a, 17.14, 17.17
Supporting our employees	1, 3, 4, 5, 8, 10, 16	1.2, 3.8, 3.d, 4.3, 4.4, 5.1, 5.5, 8.2, 8.3, 8.8, 10.2, 16.7
Supporting active lifestyles	3, 11	3.4, 11.3
Investing in education	1, 4, 8, 10, 11, 13, 15, 17	1.b, 4.3, 4.4, 4.5, 4.7, 8.6, 10.2, 11.4, 13.3, 15.a, 17.17
Clean cities	3, 13, 14, 15, 17	3.4, 3.9, 13.1, 13.2, 14.1, 15.1, 17.17
Sustainable cities	1, 3, 7, 8, 9, 10, 11, 13	1.2, 3.2, 3.4, 3.8, 3.b, 3.c, 3.d, 7.2, 7.a, 8.2, 8.3, 9.1, 9.2, 11.1, 11.2, 11.3, 11.7, 13.2
Responsible tourism	1, 3, 6, 8, 11, 12, 15, 17	1.5, 3.9, 6.1, 6.3, 6.6, 6.b, 8.3, 8.9, 11.1, 11.3, 11.4, 11.6, 11.7, 11.a, 12.5, 12.b, 15.1, 15.9, 17.16
Advocacy	7, 8, 11, 12, 13, 15, 16, 17	
Transparency and aertification	7, 8, 13, 15, 16, 17	
Energy transition	6, 7, 8, 11, 13, 15, 17	
Climate and biodiverslty	3, 6, 7, 8, 9, 11, 12, 13, 15, 16, 17	

Abbreviations found throughout the report:

ASI – Aluminium Stewardship Initiative  
CDP – Carbon Disclosure Project  
GHG – Greenhouse gases  
HPP – hydropower plant  
IAI – International Aluminium Institute  
NGO – non-governmental organisation  
RAS – Russian Academy of Sciences  
SBTi – Science Based Targets initiative  
SDG – Sustainable Development Goal  
UN – United Nations  
UNGC – United Nations Global Compact

