NUH ÇİMENTO INDUSTRY INC. SUSTAINABLE DEVELOPMENT GOALS REPORT





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SDG 1: NO POVERTY

Nuh Çimento supports investments in actions aimed at eliminating poverty, as well as services in the fields of education, health and social protection. In this regard, it carries out studies based on development strategies in favor of vulnerable groups at regional levels.

Detailed studies on the subject are listed below.

Nuh Çimento Group and Nuh Çimento Education and Health Foundation

Through initiatives in areas such as education, nature, and the environment, we aspire to contribute to building our common future and the development of our country.

Nuh Çimento Education and Health Foundation has been carrying out activities continuously in line with its purpose since its establishment.

In the field of education, we offer scholarship opportunities to university students by determining a specific number of quotas every year. We provide permanentNuh Çimento Education and Health Foundationsupport to education by building schools in our city and implement projects that include our employees. In our activity region, we support children in disadvantaged schools to become acquainted with science at an early age by donating science kits.

In the health sector, we construct hospitals in our region and establish special units within existing hospitals.

We design and implement programs such as support projects for food, clothing, hygiene materials, transportation, and shelter focused on earthquake-prone areas.

In addition to the assistance provided to schools and health institutions, the foundation has implemented projects aimed at leaving lasting legacies, achieving significant services in a short period.

It contributed three health facilities, nine educational facilities, two cultural centres, a nursing home, and a police station to the Kocaeli region.

In addition to its contributions to institutions, the Nuh Çimento Education and Health Foundation continues to support students by granting an average of 700–750 scholarships to higher education students each academic term since its establishment. In 2023, the foundation provided a total of 16 million 335 thousand TL in scholarships to 1,210 students and incurred annual expenses of 32 million 322 thousand TL for education and health-related activities. It also provided 1.52 million TL in aid to earthquake relief initiatives.

HEALTH FACILITIES				
Years	Organisation	Location	Explanation	
1998	Kocaeli Nuh Çimento Oral and Dental Health Centre	Kocaeli / Uzunçiftlik	Oral and Dental Health Center	
2009	Kocaeli University Faculty of Medicine	Kocaeli / Merkez	Burn Unit	
2015	Kocaeli University Faculty of Medicine	Kocaeli / Merkez	Hemodialysis Centre	
EDUCATIONAL FACILITIES				
Years	Organisation	Location	Explanation	
1988	Nuh Çimento Technical Industrial Vocational High School and Maritime Anatolian High School	Kocaeli / Hereke	Nuh Çimento Technical Industrial Vocational High School and Maritime Anatolian High School. The school, which has 36 classrooms, 12 laboratories and 8 workshops, was put into service by Nuh Çimento in 1988.	
1990	Çerkeşli Nuh Çimento Primary School	Kocaeli / Dilovası	The school consists of 8 classrooms. Additionally, a dormitory was built.	
2003	Nuh Çimento Vatan Primary School	Kocaeli / Hereke	The school consists of 11 classrooms.	
2003	80. Year Nuh Çimento High School	İstanbul / Pendik	The school consists of 24 classrooms.	
2007	Nuh Çimento İmam Hatip Middle School	Kocaeli / İzmit	The school consists of 32 classrooms.	
2009	Prof. Dr. Baki Komsuoğlu Vocational School	Kocaeli / Uzunçiftlik	Offers education in Mechanical and Metal Technologies, Electrical and Energy Departments.	
2011	Izmit Nuh Çimento Vocational School (Private Education Vocational Training Center-School)	Kocaeli / İzmit	This school, serving special education students, has 16 classrooms.	
2012	Hereke Nuh Çimento Primary School	Kocaeli / Hereke	The school, built in 1973, was renovated and its capacity was increased to 26 classrooms.	
2018	İzmit Nuh Cimento Education Canpus	Kocaeli / İzmit	In addition to the 24-classroom girls' vocational high school, practice kindergarten, indoor sports hall, workshop and 40-classroom high school built in 2018, a cafeteria was built in 2019.	
OTHER INSTITUTIONS				
Years	Organisation	Location	Explanation	
1997	Çerkeşli Culture Centre	Kocaeli / Dilovası	It is currently still in use and has a capacity of 250 people.	
1998	Tavşancıl Nursing Home	Kocaeli / Dilovası	Established in 2008 due to the 1999 earthquake, the institution is currently in operation with a capacity to accommodate 30 guests.	
2007	Hereke Police Office	Kocaeli / Hereke	Used actively	
2014	Atasehir Neset Ertas Culture Centre	İstanbul / Atasehir	Used actively	

İzmit Bay Restocking Project

In the seventh year of the İzmit Bay Restocking project, we continued to be the sole sponsor. Fishing activities in İzmit Bay are socially and economically crucial for Hereke, which is where we operate. As Nuh Çimento, we have been contributing to the restocking project led by Kocaeli Metropolitan Municipality since the beginning of 2017. Our goal is to contribute to the preservation and enrichment of biological diversity, thereby promoting economic development in the region and enabling people to benefit more from the sea.

Within the framework of the protocol signed on December 20, 2016, with the Ministry of Food, Agriculture and Livestock (General Directorate of Agricultural Research and Policies), and in collaboration with the Trabzon Aquatic Products Center Research Institute (SUMAE) affiliated to TAGEM, studies were conducted to determine the existing fish species, their diversity and their stock status.

The İzmit Bay Restocking project, one aspect of the conservation efforts for İzmit Bay, a closed basin of the Sea of Marmara, aims to increase the numbers of native fish species in İzmit Bay, reduce the effects of adverse environmental conditions on fish species, and protect the species. Within this scope, brood fish are caught in İzmit Bay, bred at the Trabzon Aquatic Products Center Research Institute, and the offspring of native fish are released into Izmit Bay to balance the local population.

While the Trabzon Aquatic Products Center Research Institute provides support in the collection and reproduction of fish, the Ministry of Food, Agriculture and Livestock and the General Directorate of Agricultural Research and Policies provide information support. We sponsored the project in terms of vehicles, organisation, and ceremonies; we continue to support meetings and evaluation studies as the sole sponsor. The İzmit Bay Restocking Project, which is an exemplary project for biodiversity in Türkiye, is also the first fish stocking project in the seas.

In 2023, within the İzmit Bay Restocking Project carried out by Kocaeli Metropolitan Municipality, the Ministry of Food, Agriculture and Livestock, and the Aquatic Products Center Research Institute, six thousand juvenile sea bream, sea bass, and turbot were released into the sea from Tavşancıl shore. Thus, in the seventh year of the project, a total of 42 thousand fish were released into the bay waters.

Results and Gains

Economic

The fishing industry thrived, contributing to the local economy. The project directly serves the first Sustainable Development Goal, 'No Poverty.'

Social

The local community reconnected with the sea through recreational fishing. The project directly serves the second Sustainable Development Goal, 'Zero Hunger.'

Environmental

With the decrease in marine pollution, biological diversity, fish species, and numbers have increased. The project directly serves the fourteenth Sustainable Development Goal, 'Life Below Water.'

SDG 2: ZERO HUNGER



As Nuh Çimento, we work to provide safe and equal access to employment opportunities provided by biodiversity in the extinction zone and for small-scale food producers (anglers).

Detailed information on the subject is given below.

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SDG 3: GOOD HEALTH AND WELL-BEING

Within the scope of the Third Sustainable Development Goal, targets such as eliminating epidemic diseases, ensuring that everyone as a society has access to health services, and reducing environmental, water and soil pollution, deaths and diseases are aimed. Detailed information on the subject is given below.

As Nuh Çimento, we aim to support our employees with personal and corporate trainings in addition to our professional training. Training given to raise awareness and awareness is one of the methods of protection from epidemic diseases. In this context, we introduced our employees to programs such as 'AIDS Awareness Seminar' and 'Parenting Seminar', featuring speakers who are experts in their fields. We aimed for these seminars to guide our employees in making informed decisions regarding health and family life.

Our guiding policy in Occupational Health and Safety (OHS) management is our approved OHS Policy, prepared within the scope of integrated management systems and guided by TS-45001 Occupational Health and Safety Management System. Our goal with TS-45001 is to carry out activities to internalise the principle "My Job's Safety Begins With Me!" among our employees byconducting studies related to globally accepted infrastructure, certification, and practices and to reach our zero-accident target by eliminating unsafe conditions in the work environment.

In our fields, we have a formal Work Permit Control System for specific jobs defined as potentially hazardous in terms of occupational health and safety and process safety. We implement practices to ensure communication and mutual agreement regarding hazards and necessary precautions between personnel working (company and/or contractor personnel) and factory personnel responsible for the job.

The first fundamental aspect of protecting our employees is to raise awareness. We provide mandatory OHS training at the ÇEİS Training Center, equipped with high-tech facilities, with practical applications. We offer various training topics, including working in confined spaces, Lockout-Tagout Tryout (LOTO), accident investigation, emergency training, and employee representative training to our employees. We measure the effectiveness of training through evaluations. Toolbox talks and tea chats are other training methods we provide for continuous awareness and reminders.

SDG 4: QUALITY EDUCATION



As Nuh Çimento, we will improve life for our employees in 2023 with projects such as YGA Science Mobilization Project, Nuh Academy Platform, Nuh Campus Program, OHS Engineers Project, ÇEİS Occupational Health and Safety Leadership Program, OKR-Management Systems with Objectives, Learning Management System (LMS). We carry out studies to encourage lifelong learning opportunities.

In addition, we organize in-house and external training to improve the behavioral competencies of our employees.

As Nuh Çimento, we plan our training and development activities in line with the harmony of corporate values, functional competencies and managerial competencies. In this context, we have carried out many activities based on learning and development, such as seminars, conferences, workshops, sector-specific training and technical training, in order to contribute to the professional and personal development of our employees, to support them in doing their jobs more efficiently and to increase their commitment.

These events allowed us to successfully implement our strategies to strengthen employee engagement and increase work efficiency.

Detailed information on the subject is given below.

YGA Science Mobilization Project

In collaboration with YGA (Young Guru Academy), the Human Resources department of Nuh Çimento Group aims to teach scientific methods, encourage critical thinking, enhance problemsolving skills, and contribute to educational initiatives for the youth.

The project also seeks to broaden the impact of the "Nuh Çimento Education and Health Foundation" by extending educational activities to middle school levels, not limiting them to university education.

Focusing primarily on schools in the Kocaeli region, we aim to introduce 4,000 middle school students to science kits, making a positive contribution to education.

Throughout the project, we:

- Identified disadvantaged schools in the Kocaeli region.
- Provided training to teachers from selected schools on how to use the science kits in Izmit and its surroundings.
- Gifted science kits to a total of 10 schools and physically visited 3 of them.
- Supported the sustainability of science education by gifting yearly Digital Science Memberships to 500 students in disadvantaged schools.
- Ensured teachers could monitor students' monthly progress reports, offering support based on their observations and needs.

Results and Achievements:

The Science Mobilization Project, conducted in collaboration with the Young Guru Academy, creates a significant impact as a valuable initiative for the future. By triggering the scientific curiosity of young minds and guiding them towards innovation and technology, the project aims to equip the younger generation with both scientific and technological skills, preparing them to better seize future opportunities. The project's added value extends beyond direct participants, creating a butterfly effect by increasing society's interest in science and technology, contributing to future readiness, and enhancing the country's competitiveness.

In 2024, we plan to undertake another education and development-focused project within the framework of social responsibility.

Occupational Health and Safety Trainings

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In 2022, we initiated training with the aim of emphasising the importance of teamwork, strengthening collaboration and commitment within the team, integrating individual strengths into the team's success, increasing individual and team motivation, enabling individuals to see their importance, talents, and competencies, anticipating potential weaknesses' risk, and creating team synergy to achieve a group performance higher than the total individual performance. We conducted our 16-hour mandatory OHS training, with its renewed content in 2023, through the OHS Online Training System we launched in 2021.

Nuh Academy

Under the Nuh Academy, we created two separate internal trainer groups within Nuh Academy in 2023. Our internal trainers, selected through carefully organized jury selections, contribute to professional and personal development by participating in internal trainer programs and sharing their knowledge and experiences within Nuh Academy. development of our employees. With this program, we aim to develop the skills of instructors as well as create a dynamic learning environment that strengthens the sharing of knowledge and experience within the Nuh Çimento Group.

With Nuh Academy, we aim to support each of our employees to be their best by providing them with access to training and development programs that will enable them to develop their competencies and expertise in their business fields. In this context, we focus on talent development in our corporate culture, aim to provide new skills to our employees, and thus plan to achieve a dynamic training structure.

As Nuh Çimento, we maintain our leadership in the cement industry to be sustainable by highlighting our corporate culture and knowledge with our vision of developing our technical training within our own structure.

In order to support employee development in our group companies, we implemented the 'Assessment Center' application, which analyzes the skills and competencies of our employees in detail. These assessments provided our employees with valuable information to create individual development plans, identify their strengths, and identify areas for improvement. This step we took to maximize the potential of our employees, shape their career paths and effectively manage the talents within the company contributed significantly to our success.

Personal and Corporate Trainings

We organise various training programs, both internally and externally, to increase our employees' behavioural competencies and contribute to their career development.

In 2023, we conducted various training programs on personal and professional development, including occupational health and safety topics, in collaboration with external stakeholders such as Management Center Türkiye, Türk Çimento, Siemens, Yön HSE, Türkiye İnsan Yönetimi Derneği İktisadi İşletmesi, Boğaziçi Üniversitesi Yaşam Boyu Eğitim Merkezi, and Bahçeşehir Üniversitesi, open to all our employees. Within this framework, we organised programs such as 'Internal Trainer Program,' 'Field Leadership Development Program for Technicians,' 'Leadership and Teaming,' 'Feedback Giving,' 'Intergenerational Communication,' 'Professional Coaching,' targeting engineering fields and sector-specific technical competency development.

To raise awareness about health issues, we brought our employees together with expert speakers in programs such as 'AIDS Awareness Seminar' and 'Parenting Seminar.' These seminars aimed to guide our employees in making informed decisions about health and family life.

We organised the 'Competition Law Training' with the participation of employees from different departments across the company. This training aimed to provide a solid perspective on sectoral dynamics, preserve fair competition, strengthen our business processes legally, and maximise our legal compliance. This training highlighted the strategic importance of competition law while not only strengthening our business processes but also emphasising the legal compliance at the highest level.

Professional Development Trainings

In 2023, we raised the knowledge and skill standards in the sector by organising professional competence training and exams for employees working in technical areas. Simultaneously, we held sector-specific training programs to keep our team up to date on technical issues. Our training programs not only supported individual competencies but also contributed to team harmony, helping us maintain our leadership in the sector. By encouraging our employees' continuous learning and specialisation, we contribute to the effective realisation of our company's vision.

We measure the effectiveness of the training through evaluation forms and exams filled out by trainers, unit managers, and employees who receive training. Additionally, Integrated Management Systems managers/responsible parties track the effectiveness of the training through a series of field applications such as activities, internal audits, observations, and data analysis results within their systems. If any negativity, performance deficiency, or inefficiency is observed as a result of monitoring and measurement activities, the training is planned to be repeated. Furthermore, based on the evaluation forms and feedback we receive, we determine the subject, method, participants, and trainers of the future training sessions.

Technical Competencies

In 2023, we successfully completed the 'Nuh Çimento Competency Model Project' initiated in 2022 to enhance the technical and professional skills of our employees. We approached the competency model in two main aspects. In the initial phase, we identified priority behavioural competencies by obtaining valuable insights from our managers. Regarding technical competencies, we thoroughly examined current job descriptions and, again, with feedback from our managers, identified technical competency areas and actions.

With this project, we aimed to conduct accurate competency screenings in recruitment processes, contribute more effectively to career planning and better identify training needs. By integrating the identified competencies into the OKR (Objectives and Key Results) Management System, we added more objectivity and goal-oriented focus to our evaluation process. To contribute to the development of our employees, we compiled the competency set we created into a printed guide.



Nuh Campus Program

This year, with the introduction of the 'Nuh Campus Program' as a significant part of Nuh Academy, we embarked on a new training period for our employees. Within this program, we initiated face-to-face Economics Non-Thesis Master's and MBA programs in collaboration with Kocaeli University at our factory. With this step, we aimed to facilitate our employees' access to qualified higher education opportunities within our corporate resources, contributing to their professional development.

This program also allowed us to advance the diverse and qualified training opportunities we offer to our employees for professional development. For the 2023-2025 academic period, we created classrooms for both programs, which garnered significant interest from our employees, and planned the lessons for the 2024 academic calendar.

OKR Management with Objectives System

The OKR Management System, implemented by Nuh Çimento Group in 2022, proved successful in tracking objectives and ensuring that the company's strategic goals were followed by all employees. In 2023, we further developed and successfully implemented this system across all group companies.

With this project, we aimed to:

- Foster a shared sense of purpose by ensuring that company-wide goals are embraced by all employees and that employees set their goals accordingly.
- Support teamwork by making company and department goals visible on the system.
- Evaluate employee development transparently and sustainably by tracking it through a digital system.

• Provide inputs to human resources processes, such as promotion, rotation, competency, and training needs analysis, through data analysis and reporting via digital systems.

To achieve these goals, we provided all employees with online 'OKR Ambassador' training on the OKR methodology. We assigned training materials on the use of the OKR system through the digital e-learning system to all users. Throughout the OKR goal-setting and system usage process, we provided on-site one-on-one support to all users. During the mid-term review period, we conducted the "Mid-Term Review and Feedback Giving" training for all users, putting theory into practice.

Results and Achievements:

- Through the system, employees will gain technological skills by digitally tracking their work plans and goals.
- The OKR methodology, which supports the frequent feedback process, will enable employees to meet with their managers to mutually monitor their career development.
- Transparent tracking of all employees' and departments' goals within the Nuh Çimento Group through digital systems will promote understanding, purpose alignment, and increase collaboration between departments by supporting the formation of team goals.
- The methodology, including the encouragement of feedback in the system, will ensure frequent feedback and performance reviews, enabling the tracking of employee development in line with sustainable systems.

LMS (Learning Management System)

To digitise our manually conducted training tracking process,

We initiated the Learning Management System (LMS) project. Within this project, we transferred all our training processes and past records onto a digital system. This allowed us to provide our employees with a continuously updated online catalogue system, facilitating easier access to training. Through digitalization, we make our training management more effective, traceable, and participant-oriented, supporting internal learning. In 2024, by integrating different training catalogues and various platforms into our project, we aim to offer our employees broader and personalised training opportunities. This will enhance the training experience, making it richer, more effective, and personalised, thereby strengthening corporate learning.

OHS Engineers Project

In collaboration with the Cement Industry Employers' Union (ÇEİS), we have developed a special training program. This program aims to enhance the expertise of occupational health and safety engineering groups,

• Aimed for employees to grasp the root causes of accidents and incidents and proactively develop analytical solutions for root causes,

- Strengthen their contributions and practices in the field of Occupational Health and Safety through activities and applications,
- Acquire the achievements of becoming leaders and future managers in the field of Occupational Health and Safety.

Results and Achievements:

Translating occupational health and safety (OHS) practices into field applications from an engineering perspective has resulted in a significant decrease in work accidents.

The number of lost days and equipment losses due to work accidents has also decreased.

ÇEİS Occupational Health and Safety Leadership Program (ÇEİSLİP)

Launched in 2020 to enhance the competencies of middle-level managers in the field of occupational health and safety (OHS) and encourage their active participation in OHS-related processes, the ÇEİS OHS Leadership Program (ÇEİSLİP) continues for newly joined engineers and other managers in our team.

The ÇEİS OHS Leadership Program (ÇEİSLİP) is a development program designed based on local and international references, considering Turkish dynamics, production habits, and specific solution models. The program aims to improve the managerial and technical skills of technicians, engineers, supervisors, and managers at all levels, as well as OHS professionals who act as a bridge between blue-collar workers and top management, regardless of the department and position they work in. The program consists of four main modules:

Module 1 - Introduction to Safe Management

(4 days)

Module 2 - Management of High-Risk Jobs

(4 days)

Module 3 - How OHS Management Should Be

(4 days)

Module 4 - Program Completion Project

In the first module of the program, elements of safe management, OHS leadership, measurement of OHS performance, and reasons why employees behave unsafely are emphasised. The second module focuses on how risks can be managed and introduces the fundamentals of the work permit system, drawing attention to technical aspects. The third module covers subcontractor and contractor management, selection of Personal Protective Equipment (PPE), OHS audit with incident root cause analysis, and providing feedback. The fourth module consists of a Completion Project, where participants, considering the knowledge and skills acquired in the program, develop solutions to a problem related to OHS encountered in their workplace, with the coaching/support of the OHS professional at the workplace.

SDG 5- GENDER EQUALITY



At Nuh Çimento, we attach importance to increasing women's employment, employee development and motivation in the management of human resources, the most valuable asset of organizations. We take a fair approach towards our employees and candidates in line with the principles of "Inclusion", "Diversity", "Transparency" and "Equal Opportunity". In our recruitment processes and among employees, race, language, religion, color, gender, age, social class, sexual orientation, national origin, disability, etc. We act in line with our ethical principles in all aspects and aim to create a pioneering corporate culture in this sense.

We show due diligence in increasing female employment in the recruitment processes within the company.

Achieving gender equality is crucial in creating the necessary foundation for a strong culture and a peaceful world. As Nuh Çimento, we are committed to ensuring that social protection measures are taken in the areas where we operate and in our supply chain, and that no human rights violations are made, from health to safety, with our "Diversity and Inclusion Policy".

SDG 6- CLEAN WATER AND SANITATION



In the cement industry, water is mainly used for cooling purposes in kiln processes and mills. In addition, it is consumed in crushers, to collect dust in the field and for human needs.

As Nuh Çimento, being able to maintain our process with recycled water has been one of the priority issues of our factory. We purify and use sea and stream water with various technologies in line with our needs.

You can find detailed information on the subject in our Sustainable Water Project.

Sustainable Water Project!

As Nuh Çimento, following our carbon emissions management, our greatest sensitivity in environmental matters lies in the use of clean water resources. Despite having legal permits and authority, we choose to sustain our processes using reclaimed water, which is both more cost-effective and higher in quality than natural groundwater sources, i.e., well waters. We utilise reverse osmosis technology to treat seawater, meeting part of our needs, and for the remaining portion, we apply pre-conditioning to river water, treating it for use in the process after purification.

Reuse of Waste Site Waters in the Process

In 2021, we took these efforts a step further by initiating a project aimed at collecting and treating significant amounts of wastewater generated throughout the plant for reuse.

The Sustainable Water Project is an internal R&D initiative jointly conducted by Nuh Çimento's environmental unit and maintenance unit. We began by determining the characteristics of the water we needed, followed by making improvements to our physical treatment facility. We examined processes where we could use the obtained wastewaters and aimed to expand these areas.

In 2020, we reused 30% (approximately 64,000 m3) of the treated wastewater, and in 2021, this increased to 36% (approximately 82,000 m3) through units such as dust suppression, irrigation, and chlorination systems. This effort resulted in saving 300,000 TL on water bills. In 2022, we achieved a total water savings of 62,632 tons.

In 2023, by reclaiming 107,476 tons of water, we saved a total of 3,106,056 TL over the cubic metre of water. In the coming years, we aim to increase this ratio by also using it for feeding furnaces.

Direct Service to SDG 6 Sub-Goals!

With our sustainable water approach, we directly support the sub-goals of SDG 6: Clean Water and Sanitation, as follows:

6.3. Reducing pollution, eliminating uncontrolled discharge by reducing the emission of harmful chemicals and substances, halving the untreated wastewater rate, and significantly increasing global recycling and safe reuse to improve water quality.

6.4. Substantially increasing water use efficiency in all sectors, ensuring sustainable freshwater supply to solve the water scarcity.

Future Plans

Within Nuh Çimento, we aim to increase the volume of reused wastewater by 75% by 2030 and 100% by 2050, positioning the company as a zero wastewater firm by converting this project into a support project. Subsequently, by obtaining an academic report through this project and converting it into a discharge exemption, we will position Nuh Çimento as a zero wastewater company.

As a supporting project to this, we plan to collect rainwater throughout the plant, perform necessary chemical and physical treatment, and then evaluate it as cooling water in the Clinker production process. This project, easily integrated into our Sustainable Water Management approach, will further reduce the use of clean water resources in our processes.

We Conducted an Emergency Training with Our Employees!

In 2023, to be better prepared for emergencies, we formed a team for Search and Rescue Training conducted in collaboration with ÇEİS-AFAD and included our employees in these training sessions. 18 of our employees voluntarily participated in the training, gaining comprehensive knowledge and experience in critical search and rescue techniques, rapid intervention strategies, and team coordination, essential for saving lives in disaster situations. The training, conducted by nine different trainers within AFAD, spanned five days and included practical search and rescue exercises in a debris field. Our employees' awareness levels increased, and they gained competence in intervention methods.

SDG 7- AFFORDABLE AND CLEAN ENERGY



As Nuh Çimento, we operate in an energy-intensive sector and in a country that is more than 70 percent dependent on external sources for meeting energy needs. Energy, as the largest cost item of the cement sector, represents about 60 percent of operating costs. It takes about 110 kWh of electricity and 3-4 GJ of fuel energy to produce one ton of cement. Using energy by giving priority to efficient and environmentally friendly sources without compromising cement/clinker production quality, production quantity and, most importantly, occupational safety is one of the environmental responsibilities of our company.

Our goals within the scope of our Energy Management System Policy are:

- Ensuring compliance with the relevant laws,
- Monitoring and reducing energy consumption,
- Improving energy efficiency,
- Reducing greenhouse gas emissions and
- Raising awareness of energy among our employees.

As Nuh Çimento, one of our goals is to ensure that energy is clean, accessible, sustainable and modern. In this context, Compressor Energy Efficiency Initiatives and the commissioning of the Electric Chiller system were carried out in order to consume less energy.

With this project, energy savings were achieved in these equipment and the time spent on maintenance was eliminated.

Detailed information on the subject is given below.

2023 Compressor Energy Efficiency Initiatives

To use our existing compressors more efficiently and reduce compressor maintenance costs while meeting air needs, we aimed to determine the optimal operation hours for the compressors, identify surplus air, and redirect it to areas in need by installing the necessary installations. In compressor rooms of Kiln 3, raw mill, port, water tanks, packaging, and shipment units, we:

- Identified compressor load-idle hours.
- Detected surplus air and installed the necessary piping to redirect air to areas in need.
- Stopped the operation of compressors in Kiln 3 and the water tank when they were not needed.
- Replaced old compressors in the port and raw mill with newer, more energy-efficient ones.

Result and Gains

Environmental: We reduced our greenhouse gas emissions in parallel with the energy savings achieved.

Economic: we saved approvimately 15.5 million TL annually.

Replacement of Steam Absorption Chiller System with Electric Chiller System in the Cooling Group

Due to the increase in the number of malfunctions and maintenance costs in the Absorption Chiller system, we transitioned to the Electric Chiller System. With this change, we aimed to better cool panel rooms and critical equipment, prevent malfunctions, avoid potential kiln and mill stops, and achieve more cooling capacity at a lower cost. The new system, which provides about one-fifth lower costs compared to the Absorption Chiller system, resulted in savings of over 9 million TL annually.

We Continued Our Investments for Combating Climate Change in 2023!

Energy-Focused Investments Initiated in 2023

- 1- Modernization Investment for Kilns 1-2
- 2- Liquid Waste Incineration System Investment
- 3- WHR New Turbine Investment

Energy-Focused Investments Planned for 2024

1- Investment in 4 WPP (Wind Power Plants)

E-Dump Truck Retrofit Project

Initiated in 2020 and with a contract signed with ABB headquarters in 2022, engineering work began in January. Within the project scope, we aim to convert all ten dump trucks, including eight Euclid and two Hitachi, with a capacity of 85-100 tons each, from diesel-powered to battery-electric powered. By doing so, we will be steadily reducing carbon emissions from raw material transportation, and plan on eliminating them completely by 2030. In line with this goal, we collaborated with ABB Türkiye and Global, Çim-nak, Devimsel, and Rota Teknik teams and completed the first prototype vehicle in 2023.

Objectives of this project include:

- The empty electrical truck should complete the route from the unloading point to the loading point in the same time as the diesel version.
- The loaded electrical truck should complete the route from the loading point to the unloading point using regenerative braking at the same time as the diesel version.

• The aim is to complete the transformation of all dump trucks into electric ones and achieve a zero-carbon goal in our mining area.

Achievements of the project:

The project attracted the attention of many domestic and international mining companies and individuals as an example. Being the first-of-its-kind worldwide, it is closely monitored both nationally and internationally. The fact that the leading company hosting and leading this project is a Turkish company is of great importance for our country.

The project achieved approximately one-fifth energy savings compared to a diesel engine. Additionally, it eliminated the high maintenance costs of equipment such as diesel engines and transmissions. After ensuring appropriate economic conditions and efficiency, we plan to include all rock trucks in our operation in the project. As a result of the project, our operation will gain 10 battery-powered rock trucks in line with the zero-carbon goal, and stakeholders who collaborated in the project will be able to transition to the mass production of tested and approved rock trucks, providing significant profit and contribution to their companies.

Intensive raw material extraction originating from our production capacity; accordingly, fuels and electrical energy are used. As Nuh Çimento, we prepare our products with suitable recipes instead of raw materials from natural sources. We support our sustainability performance with alternative wastes instead of fuels and electrical energy.

Detailed information on the subject is given below.

Alternative Fuel and Alternative Raw Material Usage

To reduce natural resource use and greenhouse gas emissions from fuels and lower associated fuel and raw material costs, we utilise waste instead of primary raw materials and fuels. In 2023, within the scope of alternative fuel usage, we obtained 1.1% of our total energy from waste. Our goal is to derive 0.5% of our annual heat energy from waste and also use at least 250,000 tons of waste as raw material. We conduct waste negotiations with companies and obtain necessary permits by following legal processes. We analyse incoming materials and prepare waste utilisation recipes. By using suitable waste during the production stage, we not only reduce the potential environmental pollution caused by waste but also lower our fuel and raw material costs. In the upcoming period, we aim to increase our waste usage by investing in new waste incineration and feeding systems.

Results and Gains

Economic

The net gain from using alternative raw materials and alternative fuels amounted to 42,3 million TL in 2023.

Social

We became a solution partner for municipalities and organised industrial zones facing waste problems.

Environmental

By reducing greenhouse gas emissions and using waste instead of natural resources, we decreased our natural resource consumption. In 2023, within the scope of sustainability and energy recovery, we economically reclaimed 261.3 thousand tons of waste, preventing the formation of approximately 7.9 million trees' worth of carbon dioxide.



SDG 8- DECENT WORK AND ECONOMIC GROWTH

We lead change by implementing innovative practices to include qualified talent within the company and diversify existing competencies, update our business processes, increase the productivity of our employees and ensure that our company has a dynamic structure. Our employees, who experience current practices, contribute to the development of corporate culture by supporting change processes within the company and play a major role in increasing employee loyalty.

Within the scope of decent work and economic growth, Nuh Çimento has grown in the international market by carrying out projects such as: Nuh Academy, Nuh Campus Program, MBA, OKR - Management System with Objectives System, Affordable and Clean Energy, E-Dump Retrofit Project, İzmit Bay Restockig Project and Purchasing Applications.

Detailed information on the subject is given below..

Nuh Academy

Under the Nuh Academy, we created two separate internal trainer groups within Nuh Academy in 2023. Our internal trainers, selected through carefully organized jury selections, contribute to professional and personal development by participating in internal trainer programs and sharing their knowledge and experiences within Nuh Academy. development of our employees. With this program, we aim to develop the skills of instructors as well as create a dynamic learning environment that strengthens the sharing of knowledge and experience within the Nuh Çimento Group.

With Nuh Academy, we aim to support each of our employees to be their best by providing them with access to training and development programs that will enable them to develop their competencies and expertise in their business fields. In this context, we focus on talent development in our corporate culture, aim to provide new skills to our employees, and thus plan to achieve a dynamic training structure.

As Nuh Çimento, we maintain our leadership in the cement industry to be sustainable by highlighting our corporate culture and knowledge with our vision of developing our technical training within our own structure.

In order to support employee development in our group companies, we implemented the 'Assessment Center' application, which analyzes the skills and competencies of our employees in detail. These assessments provided our employees with valuable information to create individual development plans, identify their strengths, and identify areas for improvement. This step we took to maximize the potential of our employees, shape their career paths and effectively manage the talents within the company contributed significantly to our success.

Personal and Corporate Trainings

We organise various training programs, both internally and externally, to increase our employees' behavioural competencies and contribute to their career development.

In 2023, we conducted various training programs on personal and professional development, including occupational health and safety topics, in collaboration with external stakeholders such as Management Center Türkiye, Türk Çimento, Siemens, Yön HSE, Türkiye İnsan Yönetimi Derneği İktisadi İşletmesi, Boğaziçi Üniversitesi Yaşam Boyu Eğitim Merkezi, and Bahçeşehir Üniversitesi, open to all our employees. Within this framework, we organised programs such as 'Internal Trainer Program,' 'Field Leadership Development Program for Technicians,' 'Leadership and Teaming,' 'Feedback Giving,' 'Intergenerational Communication,' 'Professional Coaching,' targeting engineering fields and sector-specific technical competency development.

To raise awareness about health issues, we brought our employees together with expert speakers in programs such as 'AIDS Awareness Seminar' and 'Parenting Seminar.' These seminars aimed to guide our employees in making informed decisions about health and family life.

We organised the 'Competition Law Training' with the participation of employees from different departments across the company. This training aimed to provide a solid perspective on sectoral dynamics, preserve fair competition, strengthen our business processes legally, and maximise our legal compliance. This training highlighted the strategic importance of competition law while not only strengthening our business processes but also emphasising the legal compliance at the highest level.

Professional Development Trainings

In 2023, we raised the knowledge and skill standards in the sector by organising professional competence training and exams for employees working in technical areas. Simultaneously, we held sector-specific training programs to keep our team up to date on technical issues. Our training programs not only supported individual competencies but also contributed to team harmony, helping us maintain our leadership in the sector. By encouraging our employees' continuous learning and specialisation, we contribute to the effective realisation of our company's vision.

We measure the effectiveness of the training through evaluation forms and exams filled out by trainers, unit managers, and employees who receive training. Additionally, Integrated Management Systems managers/responsible parties track the effectiveness of the training through a series of field applications such as activities, internal audits, observations, and data analysis results within their systems. If any negativity, performance deficiency, or inefficiency is observed as a result of monitoring and measurement activities, the training is planned to be

repeated. Furthermore, based on the evaluation forms and feedback we receive, we determine the subject, method, participants, and trainers of the future training sessions.

Technical Competencies

In 2023, we successfully completed the 'Nuh Çimento Competency Model Project' initiated in 2022 to enhance the technical and professional skills of our employees. We approached the competency model in two main aspects. In the initial phase, we identified priority behavioural competencies by obtaining valuable insights from our managers. Regarding technical competencies, we thoroughly examined current job descriptions and, again, with feedback from our managers, identified technical competency areas and actions.

With this project, we aimed to conduct accurate competency screenings in recruitment processes, contribute more effectively to career planning and better identify training needs. By integrating the identified competencies into the OKR (Objectives and Key Results) Management System, we added more objectivity and goal-oriented focus to our evaluation process. To contribute to the development of our employees, we compiled the competency set we created into a printed guide.

OHS Yearly Training Hours



Human Resources Training 2023

887 hours
Personal Development

Nuh Campus Program

This year, with the introduction of the 'Nuh Campus Program' as a significant part of Nuh Academy, we embarked on a new training period for our employees. Within this program, we initiated face-to-face Economics Non-Thesis Master's and MBA programs in collaboration with Kocaeli University at our factory. With this step, we aimed to facilitate our employees' access to qualified higher education opportunities within our corporate resources, contributing to their professional development.

This program also allowed us to advance the diverse and qualified training opportunities we offer to our employees for professional development. For the 2023-2025 academic period, we created classrooms for both programs, which garnered significant interest from our employees, and planned the lessons for the 2024 academic calendar.

YGA Science Mobilization Project

In collaboration with YGA (Young Guru Academy), the Human Resources department of Nuh Çimento Group aims to teach scientific methods, encourage critical thinking, enhance problemsolving skills, and contribute to educational initiatives for the youth.

The project also seeks to broaden the impact of the "Nuh Çimento Education and Health Foundation" by extending educational activities to middle school levels, not limiting them to university education.

Focusing primarily on schools in the Kocaeli region, we aim to introduce 4,000 middle school students to science kits, making a positive contribution to education.

Throughout the project, we:

- Identified disadvantaged schools in the Kocaeli region.
- Provided training to teachers from selected schools on how to use the science kits in Izmit and its surroundings.
- Gifted science kits to a total of 10 schools and physically visited 3 of them.
- Supported the sustainability of science education by gifting yearly Digital Science Memberships to 500 students in disadvantaged schools.
- Ensured teachers could monitor students' monthly progress reports, offering support based on their observations and needs.

Results and Achievements:

The Science Mobilization Project, conducted in collaboration with the Young Guru Academy, creates a significant impact as a valuable initiative for the future. By triggering the scientific curiosity of young minds and guiding them towards innovation and technology, the project aims to equip the younger generation with both scientific and technological skills, preparing them to better seize future opportunities. The project's added value extends beyond direct participants, creating a butterfly effect by increasing society's interest in science and technology, contributing to future readiness, and enhancing the country's competitiveness.

In 2024, we plan to undertake another education and development-focused project within the framework of social responsibility.

OKR Management with Objectives System

The OKR Management System, implemented by Nuh Çimento Group in 2022, proved successful in tracking objectives and ensuring that the company's strategic goals were followed by all employees. In 2023, we further developed and successfully implemented this system across all group companies.

With this project, we aimed to:

- Foster a shared sense of purpose by ensuring that company-wide goals are embraced by all employees and that employees set their goals accordingly.
- Support teamwork by making company and department goals visible on the system.
- Evaluate employee development transparently and sustainably by tracking it through a digital system.
- Provide inputs to human resources processes, such as promotion, rotation, competency, and training needs analysis, through data analysis and reporting via digital systems.

To achieve these goals, we provided all employees with online 'OKR Ambassador' training on the OKR methodology. We assigned training materials on the use of the OKR system through the digital e-learning system to all users. Throughout the OKR goal-setting and system usage process, we provided on-site one-on-one support to all users. During the mid-term review period, we conducted the "Mid-Term Review and Feedback Giving" training for all users, putting theory into practice.

Results and Achievements:

- Through the system, employees will gain technological skills by digitally tracking their work plans and goals.
- > The OKR methodology, which supports the frequent feedback process, will enable employees to meet with their managers to mutually monitor their career development.
- Transparent tracking of all employees' and departments' goals within the Nuh Çimento Group through digital systems will promote understanding, purpose alignment, and increase collaboration between departments by supporting the formation of team goals.
- The methodology, including the encouragement of feedback in the system, will ensure frequent feedback and performance reviews, enabling the tracking of employee development in line with sustainable systems.

LMS (Learning Management System)

To digitise our manually conducted training tracking process, We initiated the Learning Management System (LMS) project. Within this project, we transferred all our training processes and past records onto a digital system. This allowed us to provide our employees with a continuously updated online catalogue system, facilitating easier access to training. Through digitalization, we make our training management more effective, traceable, and participant-oriented, supporting internal learning. In 2024, by integrating different training catalogues and various platforms into our project, we aim to offer our employees broader and personalised training opportunities. This will enhance the training experience, making it richer, more effective, and personalised, thereby strengthening corporate learning.

OHS Engineers Project

In collaboration with the Cement Industry Employers' Union (ÇEİS), we have developed a special training program. This program aims to enhance the expertise of occupational health and safety engineering groups,

- Aimed for employees to grasp the root causes of accidents and incidents and proactively develop analytical solutions for root causes,
- Strengthen their contributions and practices in the field of Occupational Health and Safety through activities and applications,
- Acquire the achievements of becoming leaders and future managers in the field of Occupational Health and Safety.

Results and Achievements:

- Translating occupational health and safety (OHS) practices into field applications from an engineering perspective has resulted in a significant decrease in work accidents.
- > The number of lost days and equipment losses due to work accidents has also decreased

ÇEİS Occupational Health and Safety Leadership Program (ÇEİSLİP)

Launched in 2020 to enhance the competencies of middle-level managers in the field of occupational health and safety (OHS) and encourage their active participation in OHS-related processes, the ÇEİS OHS Leadership Program (ÇEİSLİP) continues for newly joined engineers and other managers in our team.

The ÇEİS OHS Leadership Program (ÇEİSLİP) is a development program designed based on local and international references, considering Turkish dynamics, production habits, and specific solution models. The program aims to improve the managerial and technical skills of technicians, engineers, supervisors, and managers at all levels, as well as OHS professionals who act as a bridge between blue-collar workers and top management, regardless of the department and position they work in. The program consists of four main modules:

Module 1 - Introduction to Safe Management

- (4 days) Module 2 - Management of High-Risk Jobs
- (4 days)

Module 3 - How OHS Management Should Be

- (4 days)
- Module 4 Program Completion Project

In the first module of the program, elements of safe management, OHS leadership, measurement of OHS performance, and reasons why employees behave unsafely are emphasised. The second module focuses on how risks can be managed and introduces the fundamentals of the work permit system, drawing attention to technical aspects. The third module covers subcontractor and contractor management, selection of Personal Protective Equipment (PPE), OHS audit with incident root cause analysis, and providing feedback. The fourth module consists of a Completion Project, where participants, considering the knowledge and skills acquired in the program, develop solutions to a problem related to OHS encountered in their workplace, with the coaching/support of the OHS professional at the workplace.

Alternative Fuel and Alternative Raw Material Usage

To reduce natural resource use and greenhouse gas emissions from fuels and lower associated fuel and raw material costs, we utilise waste instead of primary raw materials and fuels. In 2023, within the scope of alternative fuel usage, we obtained 1.1% of our total energy from waste. Our goal is to derive 0.5% of our annual heat energy from waste and also use at least 250,000 tons of waste as raw material. We conduct waste negotiations with companies and obtain necessary permits by following legal processes. We analyse incoming materials and prepare waste utilisation recipes. By using suitable waste during the production stage, we not only reduce the potential environmental pollution caused by waste but also lower our fuel and raw material costs. In the upcoming period, we aim to increase our waste usage by investing in new waste incineration and feeding systems.

Results and Gains

Economic

The net gain from using alternative raw materials and alternative fuels amounted to 42,3 million TL in 2023.

Social

We became a solution partner for municipalities and organised industrial zones facing waste problems.

Environmental

By reducing greenhouse gas emissions and using waste instead of natural resources, we decreased our natural resource consumption. In 2023, within the scope of sustainability and

energy recovery, we economically reclaimed 261.3 thousand tons of waste, preventing the formation of approximately 7.9 million trees' worth of carbon dioxide.

Supporting the Local Economy with Our Procurement Practices

As the Nuh Çimento Group, from the preparation of our products that have reached record sales levels to their release on the market, we generate a significant economy through the procurement of raw materials, products, and services.

By the end of 2023, we had a total of 2,524 suppliers, with 339 new local suppliers added throughout the year. Out of these, 381 provide services to more than one company within our group. In 2023, we allocated approximately 83.3% of the total supplier expenditures, amounting to 10.5 billion TL for Nuh Çimento, Nuh Yapı, Nuh Beton, and Çim-Nak, to goods and services obtained from our local suppliers within the country. Nuh Çimento's share in this total is approximately 58%.

In order to be the company preferred by our suppliers regarding our products, we ensure that all work carried out is controlled by standards in terms of compliance with human rights, legal compliance, occupational health and safety, cost advantage, environmental compliance, energy efficiency, quality and sustainability.

We carry out our work by looking at the scores obtained as a result of the surveys we conduct to suppliers at the end of the year.

Purchasing Systems and Supplier Selection

We have implemented international standard procurement processes with the latest SAP Supplier Evaluation software and applications like the Procurement Portal Project. This enables us to ensure control over standards in areas such as legal compliance, occupational health and safety, cost advantage, environmental compliance, energy efficiency, quality, and sustainability.

Our Purchasing Procedure, applicable to all companies within our group, is approved by our Management Board. Critical material group suppliers, including raw materials, energy, mechanical maintenance, etc., undergo effective pre-evaluation. Supplier performance is scored through user surveys conducted at the end of the year. We do not have suppliers operating in countries or regions where there is a risk to the collective bargaining rights of their employees or where these risks are high.

Internation Market Growth

In the first ten months of 2023, the total cement production of members of the Turkish Cement Manufacturers' Association (TÜRKÇİMENTO) increased by 10.59% compared to the same period of the previous year, reaching 67 million 24 thousand tons. According to TÜRKÇİMENTO's statistical data, the total export quantity of TÜRKÇİMENTO members in the cement sector decreased by 17.7% in the first 10 months of 2023 compared to the same period last year, reaching 13 million 41 thousand tons. The decline in clinker exports reached 58.4%. The total exports of the sector for this period consisted of 13 million 41 thousand tons of cement and 3 million 135 thousand tons of clinker.

At the 5th Champions of Export Awards Ceremony organised by the Cement, Glass, Ceramic, and Soil Products Exporters' Association (ÇCSİB), we received the championship award in the General Cement Industry for "The Company Achieving the Most Export" and "The Company Increasing Its Export the Most" categories. We maintained our leadership not only in our sector but also in Türkiye's export performance, ranking 81st on the Türkiye Exporters Assembly's "Türkiye's Top 500 Exporters" list. We take pride in being the only company from the cement sector among the top 100 companies.

We export our products to more than 50 countries in North America, Africa, and Europe. In 2023, our total exports decreased by about 25% due to a nearly 31% decrease in our exports to the USA compared to 2022, totaling 194 million dollars. Additionally, our exports to Europe reached the same figures as the previous year, while our exports to South America and Africa increased. In June 2023, our monthly sales of clinker and cement reached an all-time high of 557,050 tons.

E-Dump Truck Retrofit Project

Initiated in 2020 and with a contract signed with ABB headquarters in 2022, engineering work began in January. Within the project scope, we aim to convert all ten dump trucks, including eight Euclid and two Hitachi, with a capacity of 85-100 tons each, from diesel-powered to battery-electric powered. By doing so, we will be steadily reducing carbon emissions from raw material transportation, and plan on eliminating them completely by 2030. In line with this goal, we collaborated with ABB Türkiye and Global, Çim-nak, Devimsel, and Rota Teknik teams and completed the first prototype vehicle in 2023.

Objectives of this project include:

- The empty electrical truck should complete the route from the unloading point to the loading point in the same time as the diesel version.
- The loaded electrical truck should complete the route from the loading point to the unloading point using regenerative braking at the same time as the diesel version.
- The aim is to complete the transformation of all dump trucks into electric ones and achieve a zero-carbon goal in our mining area.

Achievements of the project:

The project attracted the attention of many domestic and international mining companies and individuals as an example. Being the first-of-its-kind worldwide, it is closely monitored both nationally and internationally. The fact that the leading company hosting and leading this project is a Turkish company is of great importance for our country.

The project achieved approximately one-fifth energy savings compared to a diesel engine. Additionally, it eliminated the high maintenance costs of equipment such as diesel engines and transmissions. After ensuring appropriate economic conditions and efficiency, we plan to include all rock trucks in our operation in the project. As a result of the project, our operation will gain 10 battery-powered rock trucks in line with the zero-carbon goal, and stakeholders who collaborated in the project will be able to transition to the mass production of tested and approved rock trucks, providing significant profit and contribution to their companies.

İzmit Bay Restocking Project

In the seventh year of the İzmit Bay Restocking project, we continued to be the sole sponsor. Fishing activities in İzmit Bay are socially and economically crucial for Hereke, which is where we operate. As Nuh Çimento, we have been contributing to the restocking project led by Kocaeli Metropolitan Municipality since the beginning of 2017. Our goal is to contribute to the preservation and enrichment of biological diversity, thereby promoting economic development in the region and enabling people to benefit more from the sea.

Within the framework of the protocol signed on December 20, 2016, with the Ministry of Food, Agriculture and Livestock (General Directorate of Agricultural Research and Policies), and in collaboration with the Trabzon Aquatic Products Center Research Institute (SUMAE) affiliated to TAGEM, studies were conducted to determine the existing fish species, their diversity and their stock status.

The İzmit Bay Restocking project, one aspect of the conservation efforts for İzmit Bay, a closed basin of the Sea of Marmara, aims to increase the numbers of native fish species in İzmit Bay, reduce the effects of adverse environmental conditions on fish species, and protect the species. Within this scope, brood fish are caught in İzmit Bay, bred at the Trabzon Aquatic Products Center Research Institute, and the offspring of native fish are released into Izmit Bay to balance the local population.

While the Trabzon Aquatic Products Center Research Institute provides support in the collection and reproduction of fish, the Ministry of Food, Agriculture and Livestock and the General Directorate of Agricultural Research and Policies provide information support. We sponsored the project in terms of vehicles, organisation, and ceremonies; we continue to support meetings and evaluation studies as the sole sponsor. The İzmit Bay Restocking Project, which is an exemplary project for biodiversity in Türkiye, is also the first fish stocking project in the seas.

In 2023, within the İzmit Bay Restocking Project carried out by Kocaeli Metropolitan Municipality, the Ministry of Food, Agriculture and Livestock, and the Aquatic Products Center Research Institute, six thousand juvenile sea bream, sea bass, and turbot were released into the sea from Tavşancıl shore. Thus, in the seventh year of the project, a total of 42 thousand fish were released into the bay waters.

Results and Gains

Economic

The fishing industry thrived, contributing to the local economy. The project directly serves the first Sustainable Development Goal, 'No Poverty.'

Social

The local community reconnected with the sea through recreational fishing. The project directly serves the second Sustainable Development Goal, 'Zero Hunger.'



SKA 9- INDUSTRY, INNOVATIVE AND INFRASTRUCTURE

Nuh Çimento has operated with innovative projects from past to present to ensure fast forward-looking decisions on quality and production parameters.

Detailed information on the subject is given below.

Replacement of Steam Absorption Chiller System with Electric Chiller System in the Cooling Group

Due to the increase in the number of malfunctions and maintenance costs in the Absorption Chiller system, we transitioned to the Electric Chiller System. With this change, we aimed to better cool panel rooms and critical equipment, prevent malfunctions, avoid potential kiln and mill stops, and achieve more cooling capacity at a lower cost. The new system, which provides about one-fifth lower costs compared to the Absorption Chiller system, resulted in savings of over 9 million TL annually.

2023 Compressor Energy Efficiency Initiatives

To use our existing compressors more efficiently and reduce compressor maintenance costs while meeting air needs, we aimed to determine the optimal operation hours for the compressors, identify surplus air, and redirect it to areas in need by installing the necessary installations. In compressor rooms of Kiln 3, raw mill, port, water tanks, packaging, and shipment units, we:

- Identified compressor load-idle hours.
- Detected surplus air and installed the necessary piping to redirect air to areas in need.
- Stopped the operation of compressors in Kiln 3 and the water tank when they were not needed.
- Replaced old compressors in the port and raw mill with newer, more energy-efficient ones.

Result and Gains

Environmental: We reduced our greenhouse gas emissions in parallel with the energy savings achieved.

Economic: we saved approvimately 15.5 million TL annually.

Replacement of Steam Absorption Chiller System with Electric Chiller System in the Cooling Group

Due to the increase in the number of malfunctions and maintenance costs in the Absorption Chiller system, we transitioned to the Electric Chiller System. With this change, we aimed to better cool panel rooms and critical equipment, prevent malfunctions, avoid potential kiln and mill stops, and achieve more cooling capacity at a lower cost. The new system, which provides about one-fifth lower costs compared to the Absorption Chiller system, resulted in savings of over 9 million TL annually.

We Continued Our Investments for Combating Climate Change in 2023!

Energy-Focused Investments Initiated in 2023

- 1- Modernization Investment for Kilns 1-2
- 2- Liquid Waste Incineration System Investment
- 3- WHR New Turbine Investment

Energy-Focused Investments Planned for 2024

4- Investment in 4 WPP (Wind Power Plants)

Reducing Our Carbon Footprint with Eco-Friendly Products

As part of Nuh Çimento's sustainability strategy, we are committed to activities aimed at reducing carbon emissions and adopting a zero-waste target, showcasing our commitment to environmental responsibility.

The largest share of emissions in cement production comes from greenhouse gases. Through ongoing R&D and product development efforts that began in 2018 and continued into 2019, we have successfully developed environmentally friendly products with lower clinker content, resulting in a reduced carbon footprint and enhanced durability. In 2023, our sales of blended cement and ground granulated blast furnace slag both domestically and internationally led to a total savings of 414,991 tons of clinker and a reduction of 361,042 tons in our carbon footprint.

In 2023 the sales ratio of our environmentally friendly next-generation cements, which have a low clinker content, increased from 22% to 35% compared to the previous year. This increase is attributed to effective management of product sales preferences in international markets, with a significant portion coming from domestic market sales. In the domestic market, the sales ratio of environmentally friendly next-generation cement reached 94%.

SDG 10- REDUCING INEQUALITIES



As Nuh Çimento, we continue our activities with the theme of sustainability in the face of all kinds of discrimination. Our company supports programs in this regard by providing a fair working environment for all our stakeholders.

In addition to our work on this issue, we constantly monitor and control wage policies in order to ensure the sustainability of the Equal Pay application.

For detailed information, you can review our **DIVERSITY** and **INCLUSION POLICY**

As Nuh Çimento Group, we prioritize sensitivity in corporate culture, acting with the awareness that well-being is an integral part of the organisation. We conduct initiatives aiming to raise individuals who are sensitive to the world we live in, contributing to the development of conscious individuals for our shared future. Our sensitivity to the environment and society is a significant part of the company climate and is among our core values. In this context, we view the events we organise not merely as acts of solidarity but as efforts to share and develop together. Through initiatives in areas such as education, nature, and the environment, we aspire to contribute to building our common future and the development of our country.

In the field of education, we offer scholarship opportunities to university students by determining a specific number of quotas every year. We provide permanent support to education by building schools in our city and implement projects that include our employees. In our activity region, we support children in disadvantaged schools to become acquainted with science at an early age by donating science kits. In the health sector, we construct hospitals in our region and establish special units within existing hospitals. We design and implement programs such as support projects for food, clothing, hygiene materials, transportation, and shelter focused on earthquake-prone areas.

In addition to the assistance provided to schools and health institutions, the foundation has implemented projects aimed at leaving lasting legacies, achieving significant services in a short period. It contributed three health facilities, nine educational facilities, two cultural centres, a nursing home, and a police station to the Kocaeli region.

In addition to its contributions to institutions, the Nuh Çimento Education and Health Foundation continues to support students by granting an average of 700–750 scholarships to higher education students each academic term since its establishment. In 2023, the foundation provided a total of 16 million 335 thousand TL in scholarships to 1,210 students and incurred annual expenses of 32 million 322 thousand TL for education and health-related activities. It also provided 1.52 million TL in aid to earthquake relief initiatives.



SDG 11- SUSTAINABLE CITIES AND LIVING SPACES

In the cement sector, reducing greenhouse gas emissions throughout our activities, from quarries to the packaging and transportation of products, is among our environmental goals. During production, 50% of the emitted greenhouse gas comes from the decarbonization of raw materials (baking), 40% from the burning of fossil fuels, and 10% from electricity consumption and transportation.

Nuh Çimento started working on reducing greenhouse gases and their effects by setting reduction targets at a time when even national strategies were not finalised. Some of the key initiatives include:

- Production of products with low clinker content
- Renewable energy production and usage through the Waste Heat Recovery (WHR) Facility and renewable energy production with Hydroelectric Power Plant (HPP)
- Reduction of specific energy through efficiency projects.

Studies carried out in addition to the subject are given below.

Alternative Fuel and Alternative Raw Material Usage

To reduce natural resource use and greenhouse gas emissions from fuels and lower associated fuel and raw material costs, we utilise waste instead of primary raw materials and fuels. In 2023, within the scope of alternative fuel usage, we obtained 1.1% of our total energy from waste. Our goal is to derive 0.5% of our annual heat energy from waste and also use at least 250,000 tons of waste as raw material. We conduct waste negotiations with companies and obtain necessary permits by following legal processes. We analyse incoming materials and prepare waste utilisation recipes.

By using suitable waste during the production stage, we not only reduce the potential environmental pollution caused by waste but also lower our fuel and raw material costs. In the upcoming period, we aim to increase our waste usage by investing in new waste incineration and feeding systems.

Results and Gains

Economic

The net gain from using alternative raw materials and alternative fuels amounted to 42,3 million TL in 2023.

Social

We became a solution partner for municipalities and organised industrial zones facing waste problems.

Environmental

By reducing greenhouse gas emissions and using waste instead of natural resources, we decreased our natural resource consumption. In 2023, within the scope of sustainability and energy recovery, we economically reclaimed 261.3 thousand tons of waste, preventing the formation of approximately 7.9 million trees' worth of carbon dioxide.



SKA 12- RESPONSIBLE CONSUMPTION AND PRODUCTION

In the cement industry, water is mainly used for cooling purposes in kiln processes and mills. In addition, it is consumed in crushers, to collect dust in the field and for human needs.

As Nuh Çimento, being able to maintain our process with recycled water has been one of the priority issues of our factory. We purify and use sea and stream water with various technologies in line with our needs.

You can find detailed information on the subject in our Sustainable Water Project.

Sustainable Water Project!

As Nuh Çimento, following our carbon emissions management, our greatest sensitivity in environmental matters lies in the use of clean water resources. Despite having legal permits and authority, we choose to sustain our processes using reclaimed water, which is both more cost-effective and higher in quality than natural groundwater sources, i.e., well waters. We utilise reverse osmosis technology to treat seawater, meeting part of our needs, and for the remaining portion, we apply pre-conditioning to river water, treating it for use in the process after purification.

Reuse of Waste Site Waters in the Process

In 2021, we took these efforts a step further by initiating a project aimed at collecting and treating significant amounts of wastewater generated throughout the plant for reuse.

The Sustainable Water Project is an internal R&D initiative jointly conducted by Nuh Çimento's environmental unit and maintenance unit. We began by determining the characteristics of the water we needed, followed by making improvements to our physical treatment facility. We examined processes where we could use the obtained wastewaters and aimed to expand these areas.

In 2020, we reused 30% (approximately 64,000 m3) of the treated wastewater, and in 2021, this increased to 36% (approximately 82,000 m3) through units such as dust suppression, irrigation, and chlorination systems. This effort resulted in saving 300,000 TL on water bills. In 2022, we achieved a total water savings of 62,632 tons.

In 2023, by reclaiming 107,476 tons of water, we saved a total of 3,106,056 TL over the cubic metre of water. In the coming years, we aim to increase this ratio by also using it for feeding furnaces.

Direct Service to SDG 6 Sub-Goals!

With our sustainable water approach, we directly support the sub-goals of SDG 6: Clean Water and Sanitation, as follows:

6.3. Reducing pollution, eliminating uncontrolled discharge by reducing the emission of harmful chemicals and substances, halving the untreated wastewater rate, and significantly increasing global recycling and safe reuse to improve water quality.

6.4. Substantially increasing water use efficiency in all sectors, ensuring sustainable freshwater supply to solve the water scarcity.

Future Plans

Within Nuh Çimento, we aim to increase the volume of reused wastewater by 75% by 2030 and 100% by 2050, positioning the company as a zero wastewater firm by converting this project into a support project. Subsequently, by obtaining an academic report through this project and converting it into a discharge exemption, we will position Nuh Çimento as a zero wastewater company.

As a supporting project to this, we plan to collect rainwater throughout the plant, perform necessary chemical and physical treatment, and then evaluate it as cooling water in the Clinker production process. This project, easily integrated into our Sustainable Water Management approach, will further reduce the use of clean water resources in our processes.

We Conducted an Emergency Training with Our Employees!

In 2023, to be better prepared for emergencies, we formed a team for Search and Rescue Training conducted in collaboration with ÇEİS-AFAD and included our employees in these training sessions. 18 of our employees voluntarily participated in the training, gaining comprehensive knowledge and experience in critical search and rescue techniques, rapid intervention strategies, and team coordination, essential for saving lives in disaster situations. The training, conducted by nine different trainers within AFAD, spanned five days and included practical search and rescue exercises in a debris field. Our employees' awareness levels increased, and they gained competence in intervention methods.

Alternative Fuel and Alternative Raw Material Usage

To reduce natural resource use and greenhouse gas emissions from fuels and lower associated fuel and raw material costs, we utilise waste instead of primary raw materials and fuels. In 2023, within the scope of alternative fuel usage, we obtained 1.1% of our total energy from waste. Our goal is to derive 0.5% of our annual heat energy from waste and also use at least 250,000 tons of waste as raw material. We conduct waste negotiations with companies and obtain necessary permits by following legal processes. We analyse incoming materials and prepare waste utilisation recipes. By using suitable waste during the production stage, we not only reduce the potential environmental pollution caused by waste but also lower our fuel and raw material costs. In the upcoming period, we aim to increase our waste usage by investing in new waste incineration and feeding systems.

Results and Gains

Economic

The net gain from using alternative raw materials and alternative fuels amounted to 42,3 million TL in 2023.

Social

We became a solution partner for municipalities and organised industrial zones facing waste problems.

Environmental

By reducing greenhouse gas emissions and using waste instead of natural resources, we decreased our natural resource consumption. In 2023, within the scope of sustainability and energy recovery, we economically reclaimed 261.3 thousand tons of waste, preventing the formation of approximately 7.9 million trees' worth of carbon dioxide.

Zero Waste Policy and Sustainable Waste Management

With the coordination of Sustainability and Environmental Directorate, aiming to keep the management of generated wastes in administrative areas and the amount sent to controlled storage below 10%, and to achieve the complete recycling and recovery of all wastes, we have: 1. Established a waste separation system.

- Increased the number of waste separation containers.
- 3. Provided training to employees to increase awareness.
- 4. Conducted regular inspections and controls.

5. Sent wastes to recycling and recovery facilities. Despite challenges such as difficulties in waste separation, we have overcome these issues through regular inspections and training.

SDG 13- CLIMATE ACTION



Disaster Preparedness and Response

Nuh Çimento's actions and preparations regarding emergencies such as fire, explosion, dissemination of hazardous chemicals, poisoning, epidemic disease, radioactive leakage, sabotage, and natural disasters (earthquake, flood, storm, flooding, lightning) are outlined in our Emergency Action Plans under titles like Sabotage Protection Plan, Civil Defense Plan, Emergency Action Plan, Protection and Security Plan, and LTGP (Port Facility Security Plan). We updated our Protection and Security Plan in 2018, Civil Defense Plan in 2021, and other plans in 2022. In 2023, we reviewed all our plans. Within the scope of LTGP (Port Facility Security Plan), we conduct practical emergency evacuation, gathering, fire extinguishing drills at least once a year, involving all units and collaborating with the Port President and Coast Guard. We provide training to emergency teams and cover evacuation, search and rescue, ignition, explosion, fire and fire protection, and earthquake topics in health and safety renewal training, perform annual periodic controls required for lightning protection against lightning strikes, periodic control and maintenance of fire extinguishing systems, and regular drain cleaning to guard against floods and water.

Our Emergency Plan defines communication principles during emergencies, and communication information for emergency teams is included. General law enforcement and factory emergency unit contact numbers are present in our plans.

We Are Ready to Meet Water Needs in Possible Disasters!

The Nuh Çimento facilities are surrounded by forests. In case of a fire, the company's construction machinery and water tankers can be quickly activated for situations where the fire irrigation systems are insufficient.

According to State Hydraulic Works (DSI) data, the annual per capita water availability in Türkiye is approximately 1,350 m3. Our reverse osmosis facility with a capacity of 2,700 m3/day has the production capacity to provide clean water for approximately 730 people annually. Having such a facility in the region has societal advantages. In case of a natural disaster or similar situation in the earthquake-prone region, our facility's full-capacity operation allows us to provide a significant amount of drinking and utility water to the region.

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practical search and rescue exercises in a debris field. Our employees' awareness levels increased, and they gained competence in intervention methods.

We Continued Our Investments for Combating Climate Change in 2023!

Energy-Focused Investments Initiated in 2023

- 1- Modernization Investment for Kilns 1-2
- 2- Liquid Waste Incineration System Investment
- 3- WHR New Turbine Investment

Energy-Focused Investments Planned for 2024

4- Investment in 4 WPP (Wind Power Plants)

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Reducing Our Carbon Footprint with Eco-Friendly Products

As part of Nuh Çimento's sustainability strategy, we are committed to activities aimed at reducing carbon emissions and adopting a zero-waste target, showcasing our commitment to environmental responsibility.

The largest share of emissions in cement production comes from greenhouse gases. Through ongoing R&D and product development efforts that began in 2018 and continued into 2019, we have successfully developed environmentally friendly products with lower clinker content, resulting in a reduced carbon footprint and enhanced durability. In 2023, our sales of blended cement and ground granulated blast furnace slag both domestically and internationally led to a total savings of 414,991 tons of clinker and a reduction of 361,042 tons in our carbon footprint.

In 2023 the sales ratio of our environmentally friendly next-generation cements, which have a low clinker content, increased from 22% to 35% compared to the previous year. This increase is attributed to effective management of product sales preferences in international markets, with a significant portion coming from domestic market sales. In the domestic market, the sales ratio of environmentally friendly next-generation cement reached 94%.

As Nuh Çimento, we aim to prevent air pollution by zeroing carbon emissions caused by mobile transportation of raw materials until 2030, with our project, which is carried out for the first time in the world. In this regard, we support our employees to raise awareness about climate change.

Detailed information on the subject is given below.

E-Dump Truck Retrofit Project

Initiated in 2020 and with a contract signed with ABB headquarters in 2022, engineering work began in January. Within the project scope, we aim to convert all ten dump trucks, including eight Euclid and two Hitachi, with a capacity of 85-100 tons each, from diesel-powered to battery-electric powered. By doing so, we will be steadily reducing carbon emissions from raw material transportation, and plan on eliminating them completely by 2030. In line with this goal, we collaborated with ABB Türkiye and Global, Çim-nak, Devimsel, and Rota Teknik teams and completed the first prototype vehicle in 2023.

Objectives of this project include:

- The empty electrical truck should complete the route from the unloading point to the loading point in the same time as the diesel version.
- The loaded electrical truck should complete the route from the loading point to the unloading point using regenerative braking at the same time as the diesel version.
- The aim is to complete the transformation of all dump trucks into electric ones and achieve a zero-carbon goal in our mining area.

Achievements of the project:

The project attracted the attention of many domestic and international mining companies and individuals as an example. Being the first-of-its-kind worldwide, it is closely monitored both nationally and internationally. The fact that the leading company hosting and leading this project is a Turkish company is of great importance for our country.

The project achieved approximately one-fifth energy savings compared to a diesel engine. Additionally, it eliminated the high maintenance costs of equipment such as diesel engines and transmissions. After ensuring appropriate economic conditions and efficiency, we plan to include all rock trucks in our operation in the project. As a result of the project, our operation will gain 10 battery-powered rock trucks in line with the zero-carbon goal, and stakeholders who collaborated in the project will be able to transition to the mass production of tested and approved rock trucks, providing significant profit and contribution to their companies.

SDG 14- LIFE BELOW WATER



As Nuh Çimento, we aim to protect the seas and our marine resources and use them sustainably when necessary.

In line with these goals, we preserve the biodiversity in the Gulf of Izmit and make the people living in the region and the marine ecosystem more important in terms of environmental, social, and economic aspects.

Detailed information on the subject is given below.

İzmit Bay Restocking Project

In the seventh year of the İzmit Bay Restocking project, we continued to be the sole sponsor. Fishing activities in İzmit Bay are socially and economically crucial for Hereke, which is where we operate. As Nuh Çimento, we have been contributing to the restocking project led by Kocaeli Metropolitan Municipality since the beginning of 2017. Our goal is to contribute to the preservation and enrichment of biological diversity, thereby promoting economic development in the region and enabling people to benefit more from the sea.

Within the framework of the protocol signed on December 20, 2016, with the Ministry of Food, Agriculture and Livestock (General Directorate of Agricultural Research and Policies), and in collaboration with the Trabzon Aquatic Products Center Research Institute (SUMAE) affiliated to TAGEM, studies were conducted to determine the existing fish species, their diversity and their stock status.

The İzmit Bay Restocking project, one aspect of the conservation efforts for İzmit Bay, a closed basin of the Sea of Marmara, aims to increase the numbers of native fish species in İzmit Bay, reduce the effects of adverse environmental conditions on fish species, and protect the species. Within this scope, brood fish are caught in İzmit Bay, bred at the Trabzon Aquatic Products Center Research Institute, and the offspring of native fish are released into Izmit Bay to balance the local population.

While the Trabzon Aquatic Products Center Research Institute provides support in the collection and reproduction of fish, the Ministry of Food, Agriculture and Livestock and the General Directorate of Agricultural Research and Policies provide information support. We sponsored the project in terms of vehicles, organisation, and ceremonies; we continue to support meetings and evaluation studies as the sole sponsor. The İzmit Bay Restocking Project, which is an exemplary project for biodiversity in Türkiye, is also the first fish stocking project in the seas.

In 2023, within the İzmit Bay Restocking Project carried out by Kocaeli Metropolitan Municipality, the Ministry of Food, Agriculture and Livestock, and the Aquatic Products Center

Research Institute, six thousand juvenile sea bream, sea bass, and turbot were released into the sea from Tavşancıl shore. Thus, in the seventh year of the project, a total of 42 thousand fish were released into the bay waters.

Results and Gains

Economic

The fishing industry thrived, contributing to the local economy. The project directly serves the first Sustainable Development Goal, 'No Poverty.'

Social

The local community reconnected with the sea through recreational fishing. The project directly serves the second Sustainable Development Goal, 'Zero Hunger.'

Environmental

With the decrease in marine pollution, biological diversity, fish species, and numbers have increased. The project directly serves the fourteenth Sustainable Development Goal, 'Life Below Water.'

Sustainable Water Project!

As Nuh Çimento, following our carbon emissions management, our greatest sensitivity in environmental matters lies in the use of clean water resources. Despite having legal permits and authority, we choose to sustain our processes using reclaimed water, which is both more cost-effective and higher in quality than natural groundwater sources, i.e., well waters. We utilise reverse osmosis technology to treat seawater, meeting part of our needs, and for the remaining portion, we apply pre-conditioning to river water, treating it for use in the process after purification.

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6.4. Substantially increasing water use efficiency in all sectors, ensuring sustainable freshwater supply to solve the water scarcity.

Future Plans

Within Nuh Çimento, we aim to increase the volume of reused wastewater by 75% by 2030 and 100% by 2050, positioning the company as a zero-wastewater firm by converting this project into a support project. Subsequently, by obtaining an academic report through this project and converting it into a discharge exemption, we will position Nuh Çimento as a zero-wastewater company.

As a supporting project to this, we plan to collect rainwater throughout the plant, perform necessary chemical and physical treatment, and then evaluate it as cooling water in the Clinker production process. This project, easily integrated into our Sustainable Water Management approach, will further reduce the use of clean water resources in our processes.

SDG 15- LIFE ON LAND



As Nuh Çimento, we use alternative fuels and alternative raw materials to ensure environmental sustainability. In this way, to ensure sustainable forest management, land the degradation of biodiversity, prevent the use of fossil fuels and natural resources.

Detailed information on the subject is given below.

Alternative Fuel and Alternative Raw Material Usage

To reduce natural resource use and greenhouse gas emissions from fuels and lower associated fuel and raw material costs, we utilise waste instead of primary raw materials and fuels. In 2023, within the scope of alternative fuel usage, we obtained 1.1% of our total energy from waste. Our goal is to derive 0.5% of our annual heat energy from waste and also use at least 250,000 tons of waste as raw material. We conduct waste negotiations with companies and obtain necessary permits by following legal processes. We analyse incoming materials and prepare waste utilisation recipes. By using suitable waste during the production stage, we not only reduce the potential environmental pollution caused by waste but also lower our fuel and raw material costs. In the upcoming period, we aim to increase our waste usage by investing in new waste incineration and feeding systems.

Results and Gains

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By reducing greenhouse gas emissions and using waste instead of natural resources, we decreased our natural resource consumption. In 2023, within the scope of sustainability and energy recovery, we economically reclaimed 261.3 thousand tons of waste, preventing the formation of approximately 7.9 million trees' worth of carbon dioxide.

The most important feature of the cement industry is that each of the scraps that come out as waste can be added to the product in the previous or next process stage. In this way, it is possible to ensure recycling without the generation of process-related waste.

As Nuh Çimento, we aim to eliminate all of the wastes generated within the scope of our zerowaste policy in a way that will not harm the environment.

Detailed information on the subject is given below.

Zero Waste Policy and Sustainable Waste Management

With the coordination of Sustainability and Environmental Directorate, aiming to keep the management of generated wastes in administrative areas and the amount sent to controlled storage below 10%, and to achieve the complete recycling and recovery of all wastes, we have: 1. Established a waste separation system.

- 2. Increased the number of waste separation containers.
- 3. Provided training to employees to increase awareness.
- 4. Conducted regular inspections and controls.

5. Sent wastes to recycling and recovery facilities. Despite challenges such as difficulties in waste separation, we have overcome these issues through regular inspections and training.



SDG 16- PEACE, JUSTICE, AND STRONG INSTITUTIONS

Since 1966, as the Nuh Çimento Group, we have been contributing to production, employment, and the economy of our country. In the construction industry, we continue to provide a wide range of high-quality products and services, including clinker, cement, ready-mix concrete, lime, gas concrete, aluminium paste, and milk of magnesia. We believe that our deep-rooted history and our position as a leader in the industry is key in our goal of building a strong future by creating value.

With our strong corporate culture, competent human resources and production power supported by expertise, experience and technology, we continue to work and produce tirelessly in order to uphold our competitive position in our industry.

We are accomplishing great things thanks to the strong ties we have established with all our stakeholders.

We make a difference with the awareness of team spirit and mutual trust. We act based on solidarity, knowing that we are part of an unbreakable chain.

As Nuh Çimento, the focus of our corporate success is the adoption of fair, transparent, responsible, and accountable principles. In the light of these principles, we have memberships in institutions such as TÜRKÇİMENTO, SKD, ÇEİS, which aim to be peaceful and inclusive.

The "Nuh Çimento Group Human Rights Policy" on the subject.



SDG 17- PARTNERSHIPS FOR THE GOALS

The supply of the main raw material obtained from our production through "quarry management activities" from natural resources may adversely affect natural life. In order to reduce these effects, we do not carry out mining activities in areas under protection in terms of biodiversity.

As Nuh Çimento, our goal is not to operate in areas where special species are grown and live in terms of biodiversity, and in other areas under protection.

In addition to the subject, with the Izmit Bay Restocking Project in Hereke, where we operate, enrichment of fish species and diversity in the Izmit Bay has been carried out.

In another study, in the Science Mobilization Project carried out by Nuh Çimento Human Resources unit in cooperation with YGA - Young Guru Academy, it was aimed to introduce the technologies of the future and the records of the cities and to enable them to discover these areas

Detailed information on the subject is given below.

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sponsored the project in terms of vehicles, organisation, and ceremonies; we continue to support meetings and evaluation studies as the sole sponsor. The İzmit Bay Restocking Project, which is an exemplary project for biodiversity in Türkiye, is also the first fish stocking project in the seas.

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Results and Gains

Economic

The fishing industry thrived, contributing to the local economy. The project directly serves the first Sustainable Development Goal, 'No Poverty.'

Social

The local community reconnected with the sea through recreational fishing. The project directly serves the second Sustainable Development Goal, 'Zero Hunger.'

Environmental

With the decrease in marine pollution, biological diversity, fish species, and numbers have increased. The project directly serves the fourteenth Sustainable Development Goal, 'Life Below Water.'

YGA Science Mobilization Project

In collaboration with YGA (Young Guru Academy), the Human Resources department of Nuh Çimento Group aims to teach scientific methods, encourage critical thinking, enhance problemsolving skills, and contribute to educational initiatives for the youth.

The project also seeks to broaden the impact of the "Nuh Çimento Education and Health Foundation" by extending educational activities to middle school levels, not limiting them to university education.

Focusing primarily on schools in the Kocaeli region, we aim to introduce 4,000 middle school students to science kits, making a positive contribution to education.

Throughout the project, we:

- Identified disadvantaged schools in the Kocaeli region.
- Provided training to teachers from selected schools on how to use the science kits in Izmit and its surroundings.
- Gifted science kits to a total of 10 schools and physically visited 3 of them.
- Supported the sustainability of science education by gifting yearly Digital Science Memberships to 500 students in disadvantaged schools.
- Ensured teachers could monitor students' monthly progress reports, offering support based on their observations and needs.

Results and Achievements:

The Science Mobilization Project, conducted in collaboration with the Young Guru Academy, creates a significant impact as a valuable initiative for the future. By triggering the scientific curiosity of young minds and guiding them towards innovation and technology, the project aims to equip the younger generation with both scientific and technological skills, preparing them to better seize future opportunities. The project's added value extends beyond direct participants, creating a butterfly effect by increasing society's interest in science and technology, contributing to future readiness, and enhancing the country's competitiveness.

In 2024, we plan to undertake another education and development-focused project within the framework of social responsibility.