

2021 Sustainability 2022 Report



With Less Resources
More Robust Structures



Esteemed Stakeholders

As the Turkish Nation, we experienced one of the biggest disasters of our history on 6 February 2023. We lost our valuable colleagues, relatives and tens of thousands of citizens in the earthquake, which was centred in Kahramanmaraş and affected Gaziantep and surrounding provinces. With the pain we feel in our hearts, we wish mercy from Allah for each of our citizens we lost, and we wish condolences and patience to their families.

As Sanko Holding and Gaziantep Ytong, we mobilised all our means in this difficult process and carried out aid activities for our colleagues and citizens affected by the earthquake. Our priority was to heal the wounds of this great disaster. We continue to support our earthquake victims in order to normalise their lives.

With the belief that we will overcome these difficult days together, we wish our nation a speedy recovery.

Sincerely,

Gaziantep Ytong Industry Inc.

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About the Report

As Gaziantep Ytong, we are proud to share our first sustainability report that includes the environmental, social and economic impacts of our operations. This report shows how we create value in economic, social and environmental areas with our sustainability vision. Our report has been presented to all our stakeholders in line with the principle of transparency.

This report has been prepared in accordance with the Global Reporting Initiative (GRI). It covers Gaziantep Ytong's activities and sustainability performance in 2021-2022. The content of the report has been prepared according to the methods for determining content, primarily the principle of prioritisation, as described in the guide. In the report, we share our sustainability vision, strategy, goals and practices with our stakeholders in a clear, transparent, reliable and consistent manner.

As a member of Sanko Holding, we aim to demonstrate a strategic and sustainable performance to adapt to the changing demands and requirements of all stakeholders in our value chain.

We attach great importance to the opinions of our stakeholders on the content of our report and consider them as part of our continuous improvement efforts.

For any questions, comments or suggestions regarding our report, please contact us at gytong@sanko.com.tr.

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Contact

Address : 3rd Organised Industrial Zone
Baspınar 27120 GAZİANTEP

Telephone : +90 342 211 57 00

Fax : +90 342 337 90 28 - 29

E-mail : gytong@sanko.com.tr

Chairman Message



Dear Stakeholders

As Sanko Holding, we are realising the necessary transformations to prepare all our companies for a better future in a rapidly changing world. We believe that sustainable economic growth will transform our companies into more resilient and agile structures. Accordingly, we review all our processes from an innovative and environmentalist perspective.

As Gaziantep Ytong, in our sustainability report, which we published for the first time this year, we present our vision and future goals, our activities and performance results within the scope of sustainability to you, our valuable stakeholders. I would like to express my gratitude to all our stakeholders, especially my colleagues, who supported our sustainability journey in this challenging process.

“We believe that sustainable economic growth will transform our companies into more resilient and agile structures.”

AAC, one of the most basic materials of sustainable construction, will always be in our lives as a product of today and the future thanks to its natural thermal insulation.

While producing aerated concrete, we focus on using our resources effectively and efficiently. With human and environment-oriented projects, we proceed in accordance with Sanko Holding's sustainability values. Despite the challenging conditions of this period, all our colleagues, who work devotedly, have a great contribution to achieving our goals in our sustainability journey.

We extend our sincerest gratitude to our business partners, customers, suppliers and all those who support us, and we sincerely believe that we will achieve many more successes together.

As Gaziantep Ytong, we deeply feel the pain and destruction caused by the biggest earthquake disaster of the century in our country in 2023. In these difficult days, in order to normalise life in the earthquake zone, we always stand by the side of our nation and share these sufferings. After this disaster, we will continue to do our best to show solidarity with the earthquake victims, fulfil our social responsibility and help our citizens in the affected areas.

Believing in the strength of our nation, we reiterate our determination that we will endeavour to build a stronger future together.

Sincerely,

Mustafa Gökhan GÜNBULUT
Chairman

General Manager Message



Dear Stakeholders

As Gaziantep YTONG A.Ş., with more than 25 years of experience, we are proud to produce Ytong, which gives its name to aerated concrete in the sector. Ytong is a building material that directs safe and modern construction with its lightness, earthquake resistance, fire safety, superior thermal insulation, easy processability and environmentally friendly features.

Ytong is a technology that is continuously developed in R&D laboratories in Germany. We endeavour to offer our products and services in an innovative way by closely following these developments in our country as well as in the whole world.

We owe the fact that we are always the preferred brand to our sustainable and high quality products, our customer-oriented service approach, the professional contribution of our employees, our trusting customers and the support of our authorised dealers. In order to share this success with our valued stakeholders, we have prepared the Gaziantep Ytong Sanayi A.Ş. 2021 and 2022 Sustainability Report by combining all our activities on the axis of sustainability.

Ytong is a sustainable and safe building material that gives its name to aerated concrete.

In the report, we present the environmental, economic and social dimensions of our activities in 2021 and 2022 in a transparent and objective manner. Our report has been prepared in accordance with the GRI Standard.

In 2022, MasterKim Construction Chemicals, which will create alternative solutions integrated with Ytong products within Gaziantep YTONG A.Ş., continues to serve as a facility with a wide range of products that offer suitable solutions in all areas that may be needed in construction. MasterKim Construction Chemicals has strengthened its position in the sector as a brand that reflects the quality and reliability of Ytong.

Our company has taken an important step to further its sustainability efforts and reduce its environmental impact. In this context, we have initiated efforts to obtain the ISO 50001 Energy Management Certificate in 2023.

ISO 50001 Certification will allow us to structure our energy management system in accordance with international standards and concretise our continuous improvement efforts. It will also guide us in identifying the steps we will take to strengthen our sustainability commitments.

In 2023, as Gaziantep YTONG, for a sustainable future, we will continue to improve our production process, reduce our carbon footprint, be sensitive about waste management and recycling, make use of renewable energy sources, carry out social responsibility projects and organise training activities and share the results of these efforts with our valuable stakeholders.

As you read our sustainability report, we hope that you share the same vision with us. We believe that we will continue to work together for a sustainable world.

Sincerely,

Cengizhan AÇIK
General Manager

About SANKO Holding

SANKO Holding is a Group of Companies whose foundations were laid in 1904 with the weaving looms established by Sani Konukoğlu. Throughout its 120-year journey, it has been one of the pioneers of Anatolian industrialisation.

Organised in 1996 under the umbrella of SANKO Holding, the Group maintains its leadership in many fields in Turkey and in the global arena, especially in the textile sector, which is its flagship, and is also among Turkey's largest renewable energy, cement and packaging producers.

SANKO Holding has a strong position with its strategic investments in textile, packaging, cement and construction, energy, construction and real estate sectors and social responsibility projects in the fields of education, culture-arts and health.

SANKO Holding, which exports to more than 100 countries with its liaison offices located in many parts of the world, contributes to Turkey's economy and employment with its companies operating in 11 different sectors.

To date, the Group has built 22 schools, three of which are faculty buildings, built 17 mosques, and established SANKO University in order to improve the quality of health education. With its strong sense of responsibility towards our country and society, SANKO Holding contributes to social development through its investments and activities in the fields of education, health and culture and arts.


1904

 Establishment
Year

 Employment for
14 bin

People

 Operating in
11 Sectors

 Export to
**100+
Countries**

Gaziantep Ytong at a Glance



Since its establishment, it has contributed to the insulation
of **600 thousand houses** with
7 million m³ production.

88,75%

Sanko Holding partnership

11,25%

Türk Ytong

120 peopleExperienced, expert
human resourcesNumber of **250+**

Local Suppliers

Corporate Profile

"We are building a sustainable world."

ABOUT GAZIANTEP YTONG

Gaziantep Ytong, the first foreign capital partnership of Sanko Holding, was established in 1997 in partnership with German Ytong Holding International and Sanko Holding.

"Ytong, AAC building material in Turkey with the new technology and achieved many firsts in the sector by assigning the Turkish construction sector a modern with an understanding."

Gaziantep Ytong was established in 1997 as a subsidiary of Sanko Holding for the production of Ytong, which gives its name to the aerated concrete sector. Operating on an area of 65.000 m² in Gaziantep, Gaziantep Ytong is one of the 6 facilities of Ytong in Turkey.

In 2022, MasterKim Construction Chemicals, which will create alternative solutions integrated with Ytong products within Gaziantep YTONG A.Ş., continues to serve as a facility with a wide range of products that offer suitable solutions in all areas that may be needed in construction. MasterKim Construction Chemicals has strengthened its position in the sector as a brand that reflects the quality and reliability of Ytong.

Gaziantep Ytong, which produces products with the features required in the building materials of the modern age, has a capacity of 400,000 m³ per year as block material. TS EN ISO 9001 Quality Management System Certificate, TS EN ISO 45001 Occupational Health and Safety Management System Certificate, TS EN ISO

14001 Environmental Management System Certificate, TS EN ISO 27001 Information Security Management System Certificate and CE certificate, Gaziantep Ytong meets 5.5% of Turkey's aerated concrete production capacity.

Gaziantep Ytong not only sells its aerated concrete products in the domestic market but also exports them to Cyprus, Iraq and Syria.

Within 2021-2022, the sector experienced a 27% contraction. While there was a contraction in the Cyprus market due to the pandemic, no sales could be made in the Syrian market due to the security problem and the halt in construction investments. In the Iraqi market, sales remained low due to regional material entry bans and market contraction.

With more than 25 years of experience, Gaziantep Ytong has become a preferred brand in the aerated concrete sector. The company owes this success to its high quality and sustainable products, customer-oriented service approach, professional contribution of its employees and the support of its customers who trust it.

"Ytong is an unchanging and trusted brand all over the world, symbolising modern building systems constructed with aerated concrete. With its factories in many countries around the world, Ytong is the most widespread wall material with the highest aerated concrete production volume."

Milestones



1997 Gaziantep Ytong Sanayi A.Ş. was established under the licence of German Ytong International.

1998 Following the completion of the plant assembly, 270,000 m³/year Ytong block and mesh glue production started.

2006 Annual production capacity reached 300,000 m³.

2008 The company started to produce reinforced lintels, roof-tile slabs and horizontal vertical walls to meet the needs of the region.

2009 Ytong was named one of the "Brands of the Century" (The "Brands of the Century" published by Dr. Florian Langenscheidt, which includes the most well-known and best brands of German origin).

2011 Annual Ytong production capacity reached 400,000 m³.

2011 Gaziantep Ytong Sanayi A.Ş. and Alsecco GmbH, a German manufacturer of facade cladding materials, entered into an agreement to produce Alsecco Ready-Mixed Plaster.

2012 After the installation of Masterkim construction chemicals plant was completed, it started to produce thermal insulation plaster, ready-made interior-exterior plaster, repair mortar, surface hardener, liquid materials and thermal insulation board adhesive.

2019 Reinforced aerated concrete production started

2022 Solar Energy Panels were commissioned on the roofs of production facilities.

Gaziantep Ytong Sanayi A.Ş. continues its investments with its dynamic structure, management approach open to change and development, and innovative thinking ability.

Vision, Mission and Values

Our Vision

To maintain our leadership in the construction sector as an exemplary organisation for a sustainable future with our respect for people and the environment, our understanding of continuous development and change, our product and service quality.

Our Mission

To increase our contribution to the environment, society and the national economy by continuously improving our quality and service understanding with our national and international experience, pioneering contemporary and sustainable construction.

Our values

As Gaziantep Ytong, we adopt and implement our values in all our activities with the awareness of our responsibility towards the environment and society:

To use resources efficiently: To use our resources effectively and efficiently without harming the environment and society, to prevent waste, to reduce costs and to increase our competitiveness.

To make efficient and high quality production: Continuously improving our production process, reducing our carbon footprint, being sensitive about waste management and recycling, utilising renewable energy sources, improving the quality and performance of our products, and producing in accordance with international standards.

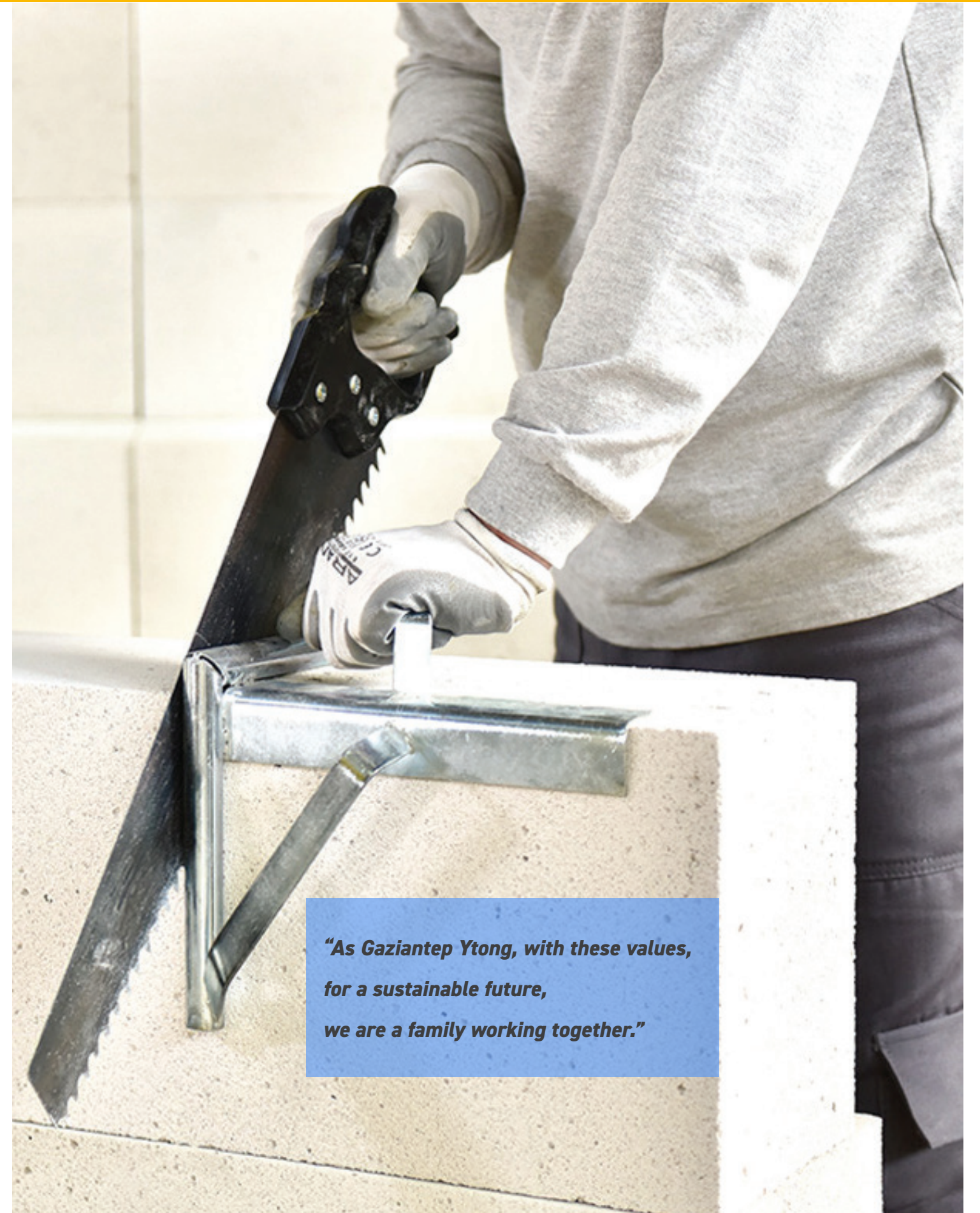
To adopt our suppliers as a part of our system and as business partners: Seeing our suppliers as an integral part of our business and our business partners, establishing a relationship with them on the basis of mutual trust, respect and benefit, guiding them on quality and sustainability, monitoring and improving their performance.

To continuously improve and develop the Quality Management System and to adopt the Total Quality Management approach: To continuously improve, develop and implement our Quality Management System in accordance with international standards, to adopt the Total Quality Management approach, to spread the quality culture to all our employees and stakeholders, to determine, monitor and evaluate our quality targets.

To ensure customer satisfaction: To provide our customers with high quality, innovative and sustainable products and services in accordance with their needs and expectations, to gain their satisfaction and loyalty, and to establish a long-term and reliable relationship with them.

To increase the participation, training and motivation of our employees: We consider our employees as the most valuable asset of our company, ensure employee participation, training and motivation, provide a safe, healthy, fair and respectful working environment, support their personal and professional development, listen to and evaluate their ideas and suggestions.

“As Gaziantep Ytong, with these values, for a sustainable future, we are a family working together.”





SUSTAINABILITY MANAGEMENT

Sustainability in Our Aerated Concrete

Sustainability Policy

Gaziantep Ytong Sustainability Policy

Gaziantep Ytong is aware that its responsibilities are not limited to completing the operations in its core business line. In line with this awareness, the Company defines its responsibilities in a broader perspective, works in parallel with sustainability principles and makes a commitment to all stakeholders that it will not go beyond these principles.



Gaziantep Ytong has determined its sustainability principles within the scope of environmental, social and governance framework as follows.

Environmental:

- To comply with the requirements of the environmental management system, to provide information and resources for continuous improvement,
- To comply with applicable legal legislation, national / international standards and sector-specific rules within the scope of environmental management systems and activities,
- To carry out its activities in a way that does not create any risk and danger for the environment and human health,
- To design, operate and develop its facilities for the protection of the environment and the reduction and/or reuse of waste,
- To use our resources efficiently, to purchase energy efficient products and to use them in the most economical way with the slogan **“Consume consciously, produce safely for a green world”,**

Social:

- To support and respect the protection of the rights enshrined in the Declaration of Human Rights,
- To create a working climate that does not allow human rights violations,
- To respect the trade union rights of employees,
- To act in accordance with the ILO conventions on the elimination of all forms of forced and compulsory labour,
- Standing against child labour,
- Not allowing discrimination in all human resources practices,
- To observe work-life balance,
- To realise Social Responsibility projects within the scope of the policy and systematic defined by SAN-KO Foundation,
- Respect the property rights of all stakeholders,
- To act responsibly towards the people of the region, to listen to their opinions and suggestions on common communication platforms,

Governance:

In all processes, decision making and while providing resources;

- Honesty,
- Objectivity,
- Fair treatment,

- Neutrality,
- Transparency,
- Accountability

We undertake to act in accordance with its principles.



Sustainability Approach

As Gaziantep YTONG; we aim not only financial success but also sustainable value creation. The basis of our management approach is to be a reliable, reputable company for all our stakeholders, a company that attaches importance to resource efficiency and minimises its environmental impact. In this way, we aim to adapt to global conditions and create sustainable value for all our stakeholders.

As Gaziantep Ytong, we act with the awareness of our responsibility to future generations in all our activities within the scope of our sustainability approach, which we address in all its dimensions, including environmental, social and economic. We are aware that the construction industry is an important source of greenhouse gases and that global trends in sustainability require us to approach the value cycle from a holistic perspective. We need to take strategic and concrete steps to achieve the goal of low emission production. By integrating sustainability into our business strategies and new business models, we can gain many benefits in the short and medium term, as well as increase our competitiveness in the long term.

In recent years, Gaziantep Ytong has become a customer-oriented solution provider rather than just a manufacturer of building and insulation materials. We contribute to a more sustainable construction sector by offering energy efficient, affordable and sustainable solutions for residential and commercial buildings. Our processes are reviewed within the framework of sustainable production approach and we carry out our processes with the understanding of using less energy, raw materials and natural resources.

We evaluate all our decisions and activities in the field of sustainability in line with performance indicators (KPIs) in accordance with national and international norms. We support Sustainable Development Goals and develop projects in line with these Goals. Our sustainability approach is at the core of our business and with this perspective, we evaluate the environmental and social impacts of not only our own operations but also our stakeholders and contribute to their development.

The five focus areas identified by Gaziantep Ytong within the framework of the sustainability roadmap are listed below:



Sustainability Management

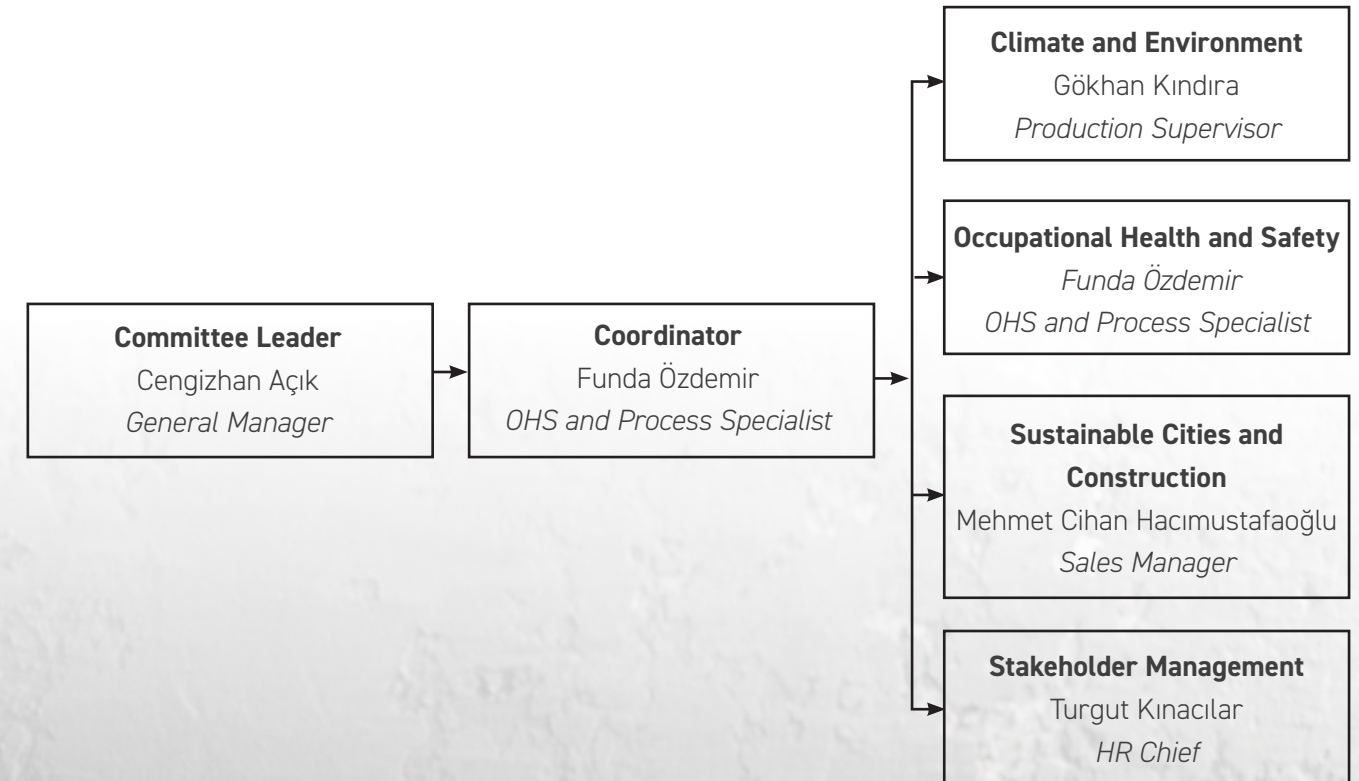
Gaziantep Ytong manages all of its activities under the heading of sustainability with a multi-participant, joint decision-making structure. Gaziantep Ytong's sustainability strategy is based on minimising the negative impacts of global climate change, being a leading company in occupational health and safety, supporting the development of employees and creating value for all stakeholders.

As part of the sustainability efforts initiated in 2020, Gaziantep Ytong organised highly participatory trainings and evaluation meetings, set many targets based on various survey results and determined its sustainability strategy.

Sustainability Committee is a committee consisting of Gaziantep Ytong executives. The Committee is responsible for the Group-wide implementation of the determined sustainability strategy and reflecting the focussed areas to all business processes. In addition, the Sustainability Committee is responsible for following national and international sustainability practices, planning activities that can be carried out in this field, and guiding employees to internalise and act in line with sustainability goals.

Gaziantep Ytong has also established the necessary infrastructure to measure and manage its direct and indirect environmental and social impacts in order to contribute to sustainable living by minimising the environmental impact of its products.

Sustainability Committee



Material Issues

Gaziantep Ytong has carried out a prioritisation study in order to identify its material sustainability issues by giving importance to the opinions of its internal and external stakeholders, to reveal its sustainability targets, to evaluate stakeholder requests and to get an idea about the work to be done in the coming period and how the corporate sustainability image should be created.

In the sustainability reporting process, environmental, social and economic material issues were identified through stakeholder and materiality analyses conducted in accordance with the GRI Standard. As a result of the studies, a list of material issues consisting of 6 main headings and 14 sub-headings was determined.

Within the framework of the identified sustainability issues, a stakeholder survey was conducted with both internal and external stakeholders to analyse which issues affect sustainability performance the most and therefore should have the highest priority. Feedback was collected from internal and external stakeholders through questionnaires. The sustainability priorities matrix was finalised by taking into account Gaziantep Ytong's senior management opinions, United Nations Sustainable Development Goals, global and sectoral trends, and by assessing risks and opportunities.

For sustainability reporting, Gaziantep Ytong has identified material issues in terms of environmental, social and economic aspects by taking the opinions of its stakeholders and has carried out risk and opportunity assessments on these issues.

“Gaziantep Ytong considers it among its priorities to closely follow technological developments and integrate them into its business processes, to grow with customer-oriented solutions, and to contribute to the circular economy by protecting the environment and people.”

YTONG Materiality Analysis



Contribution to Sustainable Development Goals



Good Health and Well-Being

We consider and manage occupational health and safety as the highest priority issue. We provide the necessary equipment to protect the health of employees and adopt a proactive management approach with comprehensive training programmes. For this purpose, all necessary measures are taken for the occupational health and safety of our employees.

3 GOOD HEALTH AND WELL-BEING



Quality Education

We ensure that our employees have access to vocational training and lifelong learning opportunities through development activities. We contribute to the quality of education in our country with our social responsibility investments in the field of education. In order to enrich the lives of our employees and stakeholders, we offer training and development opportunities and encourage them to take active roles in a sustainable world.

4 QUALITY EDUCATION



Affordable and Clean Energy

We invest in renewable energy sources and develop energy efficiency and energy loss prevention systems in production processes. We closely follow the innovations and technological developments in the sector and aim to increase the use of renewable energy.

7 AFFORDABLE AND CLEAN ENERGY



Decent Work and Economic Growth

We apply international standards in order to provide our employees with the working conditions they deserve, and our purchasing procedures are based on the issues of not employing child labour and forced labour and ensuring fair working conditions. We abide by the principles of superior business ethics and honest work, and we always comply with the laws and ethical rules.

8 DECENT WORK AND ECONOMIC GROWTH



Sustainable Cities and Communities

The most important contribution of the construction sector to sustainable development is to offer products and solutions that will ensure the sustainability of living spaces. In this context, we are working to reduce the environmental impact of our products through innovation studies.

11 SUSTAINABLE CITIES AND COMMUNITIES



Responsible Consumption and Production

We use all recyclable wastes as an input of the process during the sustainable procurement and processing of the raw materials required for our production and we strive to achieve zero waste target. We carry out studies to manage raw materials and products in accordance with sustainability criteria throughout the supply chain and to increase our sustainability performance.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



Climate Action

We take measures to reduce the carbon emissions caused by our production and work to minimise our carbon footprint by increasing energy efficiency and investing in renewable energy sources and environmentally friendly technologies.

13 CLIMATE ACTION



COMBATING CLIMATE CHANGE AND ADAPTATION

Right Choice for Buildings Conscious Choice for the World

Combating Climate Change and Adaptation

SDG 13 Climate Action states that measures to address climate change should be included in national policies, strategies and planning processes. As predicted in the World Economic Forum's 2022 Global Risk Report, environmental risks related to climate change are among the top ten most important risks affecting the economy in terms of both impact and probability.

In this context, while the whole world struggles against the climate crisis, important steps were taken on a global scale in 2021. The United Nations Climate Change Conference (COP26) was recorded as an important breaking moment that the business world should have more say in the fight against climate change and the transition to low-carbon systems.

According to the Paris Agreement, which Turkey signed in October 2021, the global temperature increase should be limited to 1.5°C in order to prevent negative environmental, social and economic impacts. To this end, many countries and companies, especially the European Union countries, have started to announce net zero targets for greenhouse gas emissions.

In this context, as Gaziantep Ytong, we make special efforts to minimise our environmental footprint in order to ensure the sustainability of our operations. With this point of view, in today's world where the impact of climate change is being felt more and more every day, we endeavour to protect natural resources and use them in the most efficient way, and we implement efforts to mitigate climate change.

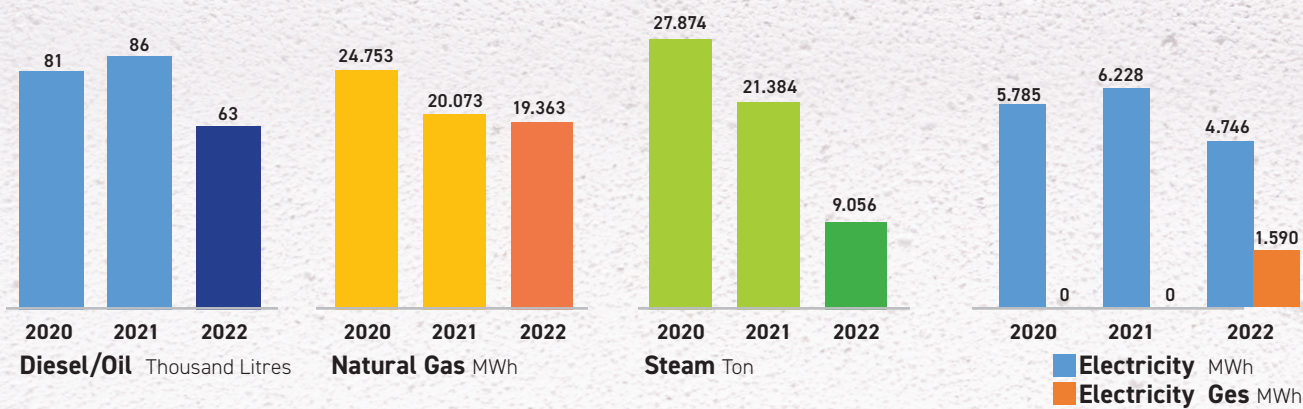


In our sustainability journey, which we entered with future generations in mind, we replaced our diesel forklifts with electric forklifts and reduced the amount of diesel-derived carbon dioxide emissions by 27%.

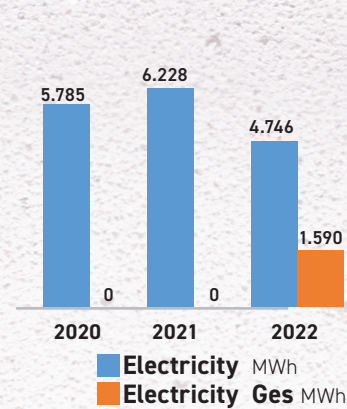
Energy and Emission Management

Sustainable construction materials, products and services help to promote environmentally friendly practices in the construction industry. These materials provide cost savings as well as making production processes less energy-intensive. The urgency of the climate crisis was emphasised by world leaders at the COP27 international climate conference in 2022, and we are setting targets to reduce emissions from our production processes to move further and faster in our climate action. One of the key plans to achieve this goal is our energy saving efforts.

Non-Renewable Direct Energy



Non-Renewable Indirect Energy



- Instead of quartzite mine, quartzite sand, which is the sedimentation pond waste of a different mining facility, was used. With the use of quartzite sand, the raw material grain size fed to the mill was reduced from 0.8 mm to 0.2 mm; mill efficiency was increased by 9% and energy consumption was reduced by 9% compared to 2021.
- With the use of quartzite sand, 43.31 tCO₂e from electricity and 141.195 tCO₂e from diesel oil were prevented from being emitted to nature.
- With a 10% reduction in total raw material use in Receptur, the weight of aerated concrete was reduced by 12.5% and product transport and application were facilitated. In this way, 149,440 tCO₂e of carbon dioxide emission to nature has been reduced.
- By changing the location of two compressors used in the plant, the compressed air line was shortened and accordingly, one compressor was deactivated. In this way, 30% energy saving was achieved compared to the previous use. The heat released from the used compressor was used for heating purposes in the plant.
- Dust extraction system was renewed in the base brushing unit in the plant and ambient dust was prevented.
- A heat tunnel heated by waste steam was constructed at the semi-finished product waiting stations before the autoclave process, and the semi-finished product was fed to the autoclaves without losing its heat. With this development, cooking time has been reduced by 4% and total steam usage has decreased by 4.
- In our sustainability journey, which we entered with future generations in mind, we replaced our diesel forklifts with electric forklifts and reduced the amount of diesel-derived carbon dioxide emissions by 27%.
- In our facility, which adopts the understanding of production without consuming resources, 15% of the factory's electrical energy needs are met with solar energy panels installed on the roofs.
- In order to prevent the dust generated in the plant from spreading to the environment, a dust catcher curtain was built on the factory site.
- In order to prevent dust formation on the main transport roads in the mine sites, 640 m² of keystone was laid.
- Two jet filters in the crushing and screening and raw material plants were commissioned and the hazard was prevented at source.

Biodiversity

Global warming poses a serious threat to biodiversity. As a result of the increase in carbon dioxide emissions and the change in climates and the quality of climates, generations in habitats have faced the risk of extinction. The number of species under threat due to the decrease in wetlands in different climatic areas, drought, temperature increase and disruption of ecological balance has reached a considerable size. When we look at the effects of climate change on biodiversity in our country, we encounter similar problems to those experienced in the world.

Ytong carries out various afforestation projects with the awareness that forests are the place where greenhouse gases are captured in order to minimise environmental impacts, while continuing its activities to protect the existing flora and fauna in all its activities and in its impact area in order to protect biodiversity and to take action on possible impacts. We also believe that awareness-raising activities on biodiversity are very important and we take actions in this regard.

The “Management Policy” determined within the scope of the Integrated Management System sets out our environmental responsibilities and targets. Our factory fulfils and certifies the requirements of TS EN ISO 14001:2015 Environmental Management System Standard. We monitor and continuously improve our environmental performance through monthly activity reports. In addition, we successfully pass routine audits conducted by organisations affiliated to the relevant ministries.



EFFICIENT USE OF RESOURCES

For a Green World, Consume Consciously, Produce Safely





Efficient Resource Use

Resource efficiency aims to produce, process and consume natural resources sustainably, as well as to reduce the negative environmental impacts of the production and consumption of products throughout their entire life cycle. In this way, in addition to higher profitability, the development of new technologies is encouraged and employment is increased, unlocking the potential for innovation and growth in production. Resource efficiency also aims to minimise the environmental impact of production by preventing or reducing waste generation at source. The design of eco-efficient products, recycling and reuse of wastes are also ensured through the development and implementation of new processes in production. In this way, it is aimed to protect natural resources and leave a more livable world to future generations. As Gaziantep Ytong, we are working on the use of environmentally friendly techniques, more efficient production and waste reduction in line with this goal.

By using Quartzite Sand, which is the sedimentation pond waste of a different mining facility, instead of quartzite mine;

- The raw quartzite extracted from our own quarry was first passed through the primary crushing and screening plant in the quarry and then through the secondary crushing and screening plant in the factory. With the use of quartzite sand, three processes, including extraction, primary and secondary plants, were bypassed. Accordingly, the cost of 1 m³ aerated concrete production was reduced by 4%.
- In order to adapt the change made in the process to the system, a mobile bunker was built from waste materials and quartzite sand was integrated into the system.
- With the mixer revision, the mixing speed was increased by 300% and maximum raw material homogenisation was achieved. In this way, the total binder ratio was reduced by 20%. Thermal conductivity coefficient of the final product was reduced by 18%.
- By switching to pistol lubrication in the mould lubrication process, 24% reduction in oil consumption was achieved.

Primary and secondary plant processes were bypassed by using quartzite sand, which we reached through our search for alternative raw materials instead of the quartzite mine we extracted from the quartzite quarry, and a cost reduction of 4% was achieved in 1 m³ aerated concrete production.

A mobile bunker was built from waste materials and quartzite sand was integrated into the system.

Water Management

Water conservation and efficient water use are of great importance in our country, which is rapidly progressing towards becoming a water-poor country. Procurement of water from the right regions, efficient use and proper treatment are necessary for success in the fight against water scarcity.

In the scope of clean production, reducing water consumption, reusing it in the process if possible and using the right discharge methods will ensure that future generations will open their eyes to a greener and more livable world..

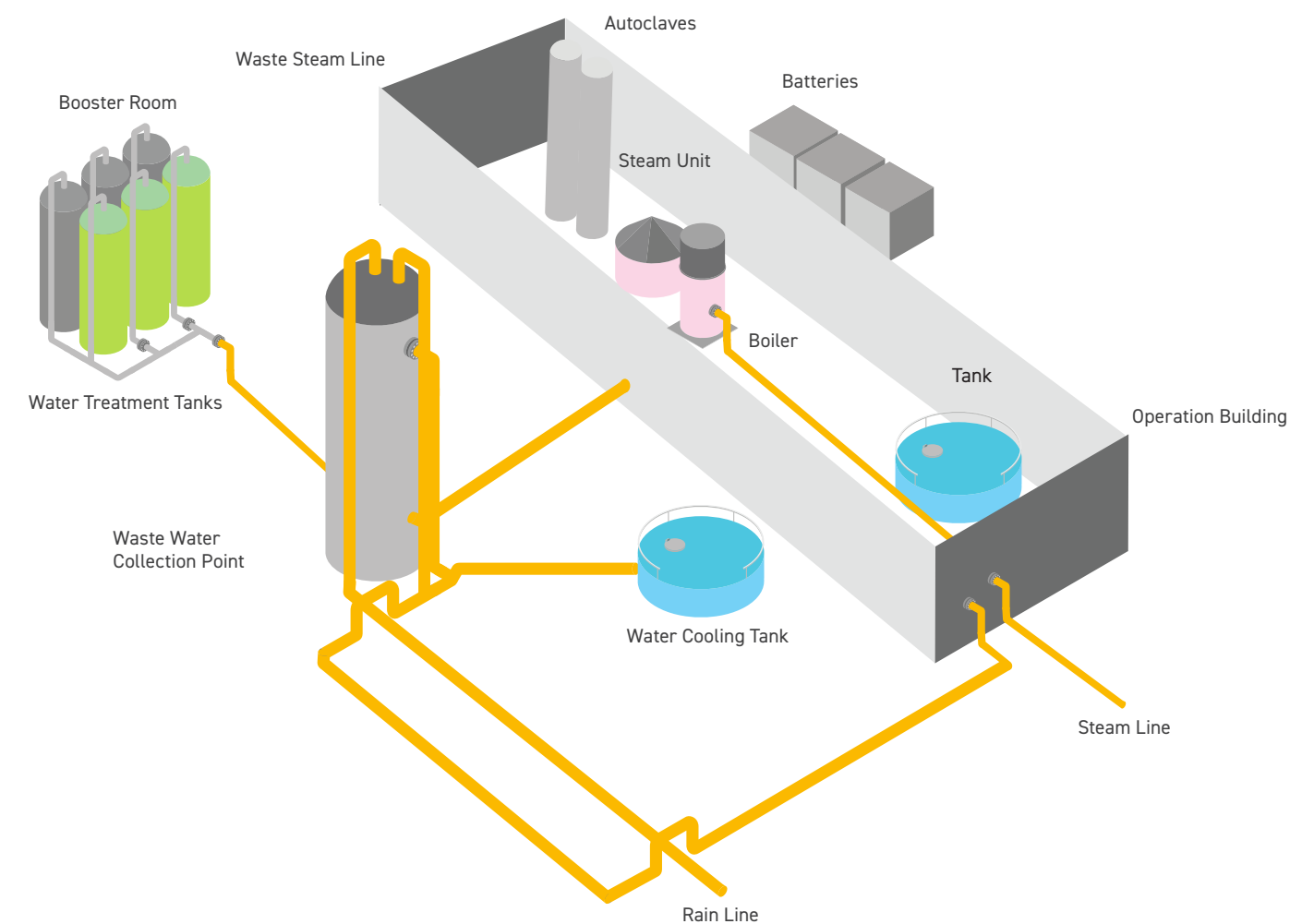
Considering the climate change and drought in the world, the importance of everything recycled for a sustainable world is priceless. Considering that the construction industry uses significant amounts of water, as Gaziantep Ytong, we aim to save both water and energy by recycling waste water and vapour.

“We recognise that water is a precious resource and access to it is a fundamental human right.”

- We recycle approximately 4000 m3 of water per month by sending the cooling water of the dosing pump motors to the sludge tanks.
- We recycle 9000 m3 of water per month by using the condensate waste water in sludge production in the mill.
- Our “Recycling of Rain Water” project prepared by the Electrical Maintenance Unit was awarded the first prize in the competition with the concept of recycling organised within the scope of the Environment Week within the Sanko Building Group.
- Within the scope of the award-winning “Rainwater Recycling” project, we aim to minimise our use of natural resources by recycling the water that comes from production and rain in our factory with the electricity we generate using the steam turbine. With the project, 14.16% of the water we use in our factory will be met from the water we recycle.
- The wastewater and sludge from the mill are separated by waiting in the settling pool, and we prevent the use of additional water by giving it back to the mill.

As Gaziantep Ytong, we aim to save both water and energy by recycling waste water and steam.

Rainwater Recycling Project



Waste Management

As an environmentally responsible company, Gaziantep Ytong attaches great importance to waste management. It implements a comprehensive plan in its facilities to minimise and recycle the wastes generated during the production process. Gaziantep Ytong contributes to the protection of the environment by delivering waste suitable for recycling to authorised companies. In our offices, wastes are separated at source and utilised within the scope of zero waste project.

We meet most of our pallet needs by taking back the pallets we send our products. In this way, we both contribute to the environment and reduce our production costs. The share of the pallets we recycle in our total pallet usage has reached 20%.

“As Gaziantep Ytong, we bear the responsibility of leaving a cleaner and more livable world to future generations. We take back the wooden pallets we use to ship our products from construction sites and reuse them.”

Total Waste Ton		
By Type	2021	2022
Hazardous Waste	29	14
Non-Hazardous Waste	158	52
According to Disposal Method		
Recovery	187	66



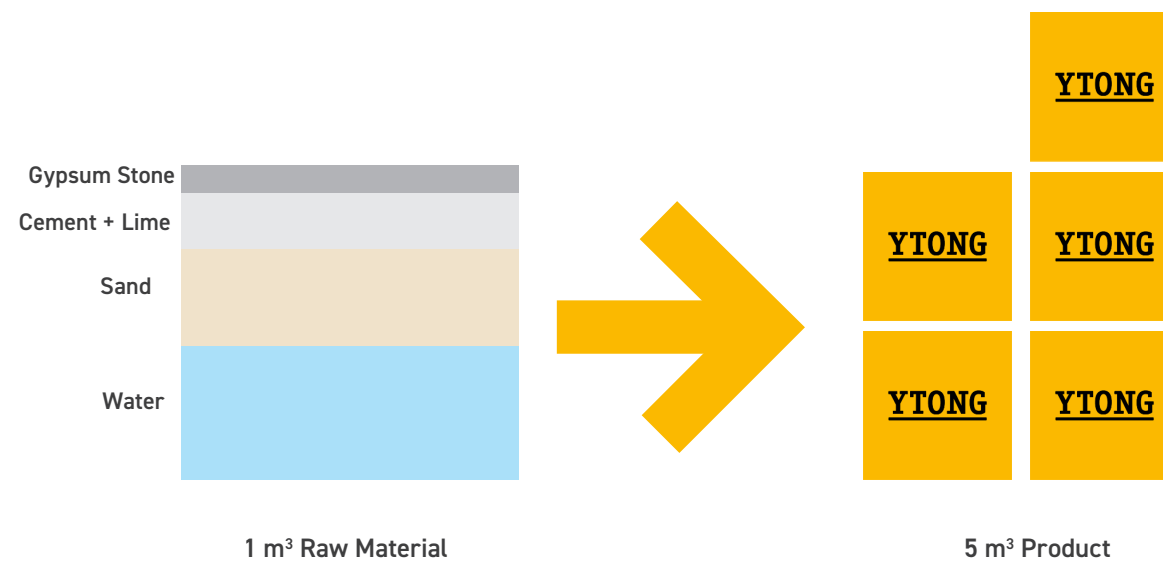
Raw Material Management

As Gaziantep Ytong, we use various raw materials in the production of aerated concrete. One of them is quartzite. Quartzite is a mineral that melts at high temperatures and increases the durability of aerated concrete.

In order to reduce our environmental impact, quartzite sand, which is the sedimentation pond waste of a different mining facility, was used as raw material instead of quartzite mine. This sand contains quartzite and does not affect the quality of aerated concrete. In addition, the faulty materials in the finished product are ground again in the mill and used in the recipe at a rate of 25-30%. In this way, both cost savings are achieved and the environment is contributed to.

By reducing the total amount of solids used in the recipe, the product weight was reduced by 13-15%. In this way, while 42 pallets of material were loaded on the delivery vehicles, 48 pallets of material were loaded. In this way, fuel savings were achieved and carbon footprint was tried to be reduced. Since the product weight is reduced, it provides convenience during the application of the product, as well as lightening the load of the building against the risk of earthquake.

With the improvements made in Receptur, the cement ratio has been reduced by 29% compared to 2021.



“While carefully developing our products, we utilise the limited resources of our world in the most effective way through the responsible use of raw materials. We consume less while producing and protect our nature and our future.”

While the moisture content of the wet sand used in the production of construction chemicals was around 10-15%, the drying cost of the sand was reduced by purchasing sand with a moisture content of 5-10% from different suppliers.

Gaziantep Ytong also contributes to the academic field. A research on the alkaline properties of aerated concrete was carried out with Gaziantep University. Within the scope of this research, 0.8 mm quartzite was supplied. The University expressed our contribution to the study in its article. A textile reinforced reinforced product development project is being carried out with Çukurova University. Sponsorship and material support is provided for this project.

In addition, training activities are carried out every year to raise awareness about sustainable cities and technical trips are organised for architecture and civil engineering students in our factory.

Our company operates in the aerated concrete sector with an understanding of quality and innovation. We are constantly researching and developing to offer products that meet the needs of our customers.

As an environmental and socially responsible company, we aim to contribute to the society. In this context, it is aimed to reduce transport costs by reducing product weight, to increase thermal insulation, to contribute by reducing carbon footprint.



Supply Chain Management

The basis of our sustainability approach is to procure from companies that offer products and services that respect the environment and people.

Suppliers may face financial difficulties, political and economic problems in international procurement, as well as changes in customs legislation may constitute factors that may prevent trade in services and products.

While there was a contraction in the Cyprus market due to the pandemic, problems such as the inability to make sales in the Syrian market due to the security problem and the cessation of construction investments, regional material entry bans and market contraction in the Iraqi market were effective in experiencing this process. In order to ensure production continuity, efforts are being made to increase alternative suppliers.

Gaziantep Ytong implements a supply chain management that affects all main and support functions such as procurement, logistics, production and distribution starting from the production planning stage. While the company aims to establish a healthy relationship with suppliers and customers, it shapes its business plans with an understanding that aims to reflect the positive impact of this relationship on the entire supply chain.

In this context, face-to-face meetings are held with the main purpose of managing the relationships that provide a link between suppliers, customers and end consumers, thereby increasing loyalty and strengthening the supplier relationship.

In addition to the current material/service supply, social and global issues such as market conditions, economic situation, occupational health and safety, environmental pollution, digital transformation are evaluated and continuous improvement is aimed by exchanging ideas. In addition, companies are given a corporate perspective by encouraging them to be certified with appropriate certificates within the scope of the services they provide.

Gaziantep Ytong carries out a detailed and effective pre-assessment before starting to work with a new supplier. In this evaluation, environmental and energy management, the company's commercial score, quality certificates, references and social responsibility activities are checked and the supplier is identified or eliminated accordingly.

Supplier selection criteria differ in terms of product and service supply. If only products are to be supplied, attention is paid to the commercial history of the supplier company in Gaziantep Ytong and its performance in this process.

Gaziantep Ytong carries out site visits and audits at least once a year to its raw material suppliers that affect product quality and timely delivery. In these audits, the company's waste storage and recycling processes are examined, whether they operate in compliance with environmental legislation is inspected and risk factors for occupational health and safety are checked.



All raw material suppliers are evaluated with on-site inspections in terms of catering, personnel service, raw material quarries and other issues, and supplier evaluation scoring is made according to the observation results. As a result of this scoring, the operability score of the supplier is determined.

In addition to field audits, Gaziantep Ytong visits suppliers throughout the year to make sectoral and economic evaluations, inform them about digital transformation in the era of globalisation, and offer them the opportunity to share their experiences in improving environmental and social performance and certification.

Ideas are exchanged for synergy projects that will provide mutual gains. In the coming period, the Company aims to develop comprehensive supplier programmes by gathering these activities under one roof and to contribute to the sustainable growth of business partnerships.

	2020	2021	2022
Number of local suppliers	235	240	255

QUALITY PRODUCTS AND SERVICES

Safe Buildings, Healthy Living Spaces

Sustainable Cities and Construction

Buildings consume a large portion of material and energy resources and cause significant damage to the environment. Therefore, when building and building materials are considered in the context of sustainability, they should be examined from a holistic perspective that includes both energy consumption and environmental impacts.

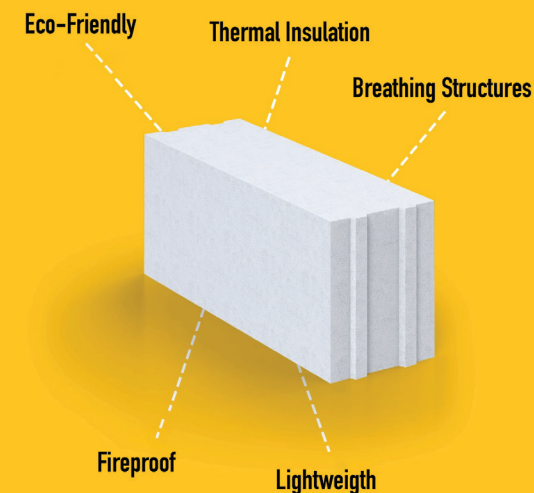
In the construction process of buildings, energy is consumed starting from the material extraction stage to the construction, use and post-use stages, and potential environmental impacts occur in various aspects. Considering energy analyses or environmental impacts alone is insufficient to express the consumption at all stages. In this context, considering the energy performance of a material that is considered less harmful to the environment opens the door to a more sustainable approach.

Aerated concrete is a building material used in the construction industry. AAC is produced from natural raw materials such as quartzite, cement, lime and water and is completely recyclable. AAC provides high thermal insulation thanks to its millions of pores. AAC is also a lightweight, robust, easily processed, fireproof, soundproof, earthquake-resistant and environmentally friendly material. AAC has many advantages within the scope of sustainability and climate change.

AAC does not harm the environment during its production and after its use, and is recyclable. AAC reduces CO₂ emissions and combats climate change by saving energy. Aerated concrete is produced by the Ytong brand, which gives its name to the aerated concrete sector in both Turkey and the world.

Gaziantep Ytong's products are manufactured in accordance with TS EN 771-4 Aerated Concrete Masonry Units and TS 453 Reinforced Aerated Concrete Building Elements standards. Gaziantep Ytong's products include G2/04 and G4/06 Unreinforced Block, Reinforced Building Elements, Ytong Masonry Glue, Alsecco Ready-Mixed Plaster and MasterKim Construction Chemicals.

"YTONG is an international brand, the inventor and the first industrial producer of aerated concrete building material."



Advantages of Ytong's products:



Robust Gaziantep Ytong's products are manufactured in various strength classes required by construction technology. Gaziantep Ytong's products are perfect for slabs, walls and roofs with their strength and static properties. Gaziantep Ytong's products are resistant to earthquakes, frost, moisture and insects.



Provides Thermal Insulation: Gaziantep Ytong's products, due to the millions of pores in its structure, is a building material that provides insulation in many buildings without the need to use additional thermal insulation material. Buildings constructed with Gaziantep Ytong's products are cool in summer and warm in winter, saving energy and reducing CO₂ emissions.



Fireproof: Gaziantep Ytong's products are in the A1 class "fireproof" building materials group. Gaziantep Ytong's products provide fire safety in the building, are fire resistant and do not emit toxic gases during fire.



Provides Sound Insulation: Gaziantep Ytong's products are building materials that provide the sound insulation resistance values required for single layer walls according to DIN 4109. Gaziantep Ytong's products reduce sound permeability, prevent noise pollution and provide a comfortable living space.



Lightweight: Gaziantep Ytong's products are lighter than concrete and other masonry wall materials since 84% of their volume consists of air-filled pores. In this way, it reduces the weight of the structure, increases earthquake safety, reduces foundation cost and provides ease of transport.



Easy to Process: Gaziantep Ytong's products are a material that can be easily processed like wood. Gaziantep Ytong's products can be easily drilled with a drill, sawed, planed, nailed and screwed, and grooved for installation. Gaziantep Ytong's products provide labour and time saving by reducing material waste.



Millimetric Dimensions: Gaziantep Ytong's products are dimensioned with millimetre precision in special machines during production. Gaziantep Ytong's products reduce the plaster load and cost due to its smooth surface.



Creates Healthy Spaces: Gaziantep Ytong's products increase the comfort level of buildings with their superior features. Gaziantep Ytong's products provide moisture balance, prevent mould and fungus formation, do not cause allergies and offer a healthy living environment.



Environment Friendly: Gaziantep Ytong's products are produced from natural raw materials such as quartzite, cement, lime and water. Gaziantep Ytong's products do not harm the environment during production and after use, and are recyclable. Gaziantep Ytong is Turkey's first brand with an environmental label and is a member of ÇEVKO.





Ytong Products

Wall Blocks

YTONG Wall Blocks are used as external and internal filling wall material in building systems such as reinforced concrete, steel, wood and prefabricated or as carrier external and internal wall material in masonry structures. They are especially preferred building materials in fire wall construction.



Roof Plate

Ytong Roof Plate is a building material and a ready-to-assemble building component that can fulfil versatile features that can only be achieved by combining multiple materials.

It can offer a combination of load bearing, long life, fire safety, sound insulation, openness to diffusion and, above all, high thermal insulation. Roof elements can be applied with any type (flat or pitched roof), any form (gable roof, hipped roof, sloping roof) and any roof covering (ventilated-cold roof or non-ventilated-warm roof).

Floor Slab

Floor slabs are ready-to-install building components. These elements have maximum load-bearing capacity at the moment of delivery. Floor slabs, which can be produced in various thicknesses and lengths, allow the creation of floors with different bearing strengths.

Floor slabs contribute to the rigidity of the building as they can also meet horizontal loads if a suitable application is made. They are structural elements used for roof or floor formation on wooden, concrete or steel supports of masonry and frame structures.

**Partition Board**

It is used in the formation of non-bearing walls in all kinds of structures. They are 10 cm thick, 30 cm thick and up to 6 m in length and resistant to 90 kg/m² wind load. It is used as filling wall of carcass structures.



New Ytong 0.09 has a high thermal insulation performance that enables buildings to reach A class energy efficiency level without the need for extra thermal insulation on the walls. has The road to energy efficiency.

**Lento**

Ytong lintels are reinforced structural elements used to pass door and window openings in walls. Carrier and non-carrier lintels are produced in various sizes suitable for the needs. They are easily applied during wall masonry.

U Blok

U-section block building materials used instead of wooden moulds in horizontal and vertical reinforced concrete beams.

It provides homogenous wall surface formation especially in the production of reinforced concrete beams on the walls of buildings. Thus, possible thermal bridges are eliminated and structural damages that may occur on reinforced concrete surfaces due to condensation and mould are prevented.



MasterKim **MASTER KİM**
 Yapı Kimyasalları

MasterKim Construction Chemicals was established within Gaziantep Ytong in 2011 for the production of high performance plasters that will create alternative solutions integrated with Ytong products, and since the beginning of 2012, it has been serving as a facility with a wide product range and production capacity that offers suitable solutions in all areas that may be needed in construction.

PlasterMatik

It is a cement based ready-mixed plaster with reinforced adhesion strength used on aerated concrete, brick, briquette, pumice, exposed concrete surfaces for interior and exterior applications.


TileMatik

It is a strong adhesive used for bonding coating materials such as tiles, ceramics and tiles to floor and wall surfaces, suitable for indoor and outdoor use.

Thermal Insulation Board Adhesive

It is used for bonding thermal insulation boards on interior and exterior facades of buildings. It provides strong bonding performance with special additives in its content.

Granite and Stone Adhesive

It is a cement based, flexible, super strong adhesive prepared with high quality chemical additives, suitable for indoor and outdoor use, used for bonding coating materials such as granite, ceramic, artificial and natural stones to floor and wall surfaces.


Surface Hardener

It is a ready-to-use powder mixture based on cement, specially selected aggregate, quartz, corundum, pigment and chemical additives, used to increase the surface strength of industrial floors.


Thermal Insulation Board Plaster

It is used for plastering thermal insulation boards on interior and exterior facades of buildings. It provides strong adhesion performance with special additives in its content.

FugaMatik

It is used for filling the joints of coating materials such as tiles, ceramics, tiles, granite, artificial and natural stones on horizontal and vertical surfaces of interior and exterior spaces.


Plywood Plaster

It is a cement based ready-mixed plaster with reinforced adhesion strength used on aerated concrete, brick, briquette, pumice, exposed concrete surfaces for interior and exterior applications.

WaterStop Flex

It is used as flexible waterproofing material on interior and exterior surfaces. It is a two-component waterproofing material used for internal and external surface insulation of water tanks, swimming pools, basement exterior walls, wet areas.


Our other products;

Wall Panels
Horizontal and Vertical Wall Elements
Carrier Vertical Wall Elements
Reinforced Horizontal Wall Block
Knitting Glue
Hand and Assembly Tools

For fire-safe buildings aerated concrete is preferred

"Aerated concrete, which provides versatile contributions to buildings and is the first choice of the modern world as a walling material, has class A non-flammability feature. Thanks to its thermal conductivity value, it eliminates the need for additional sheathing on the walls."



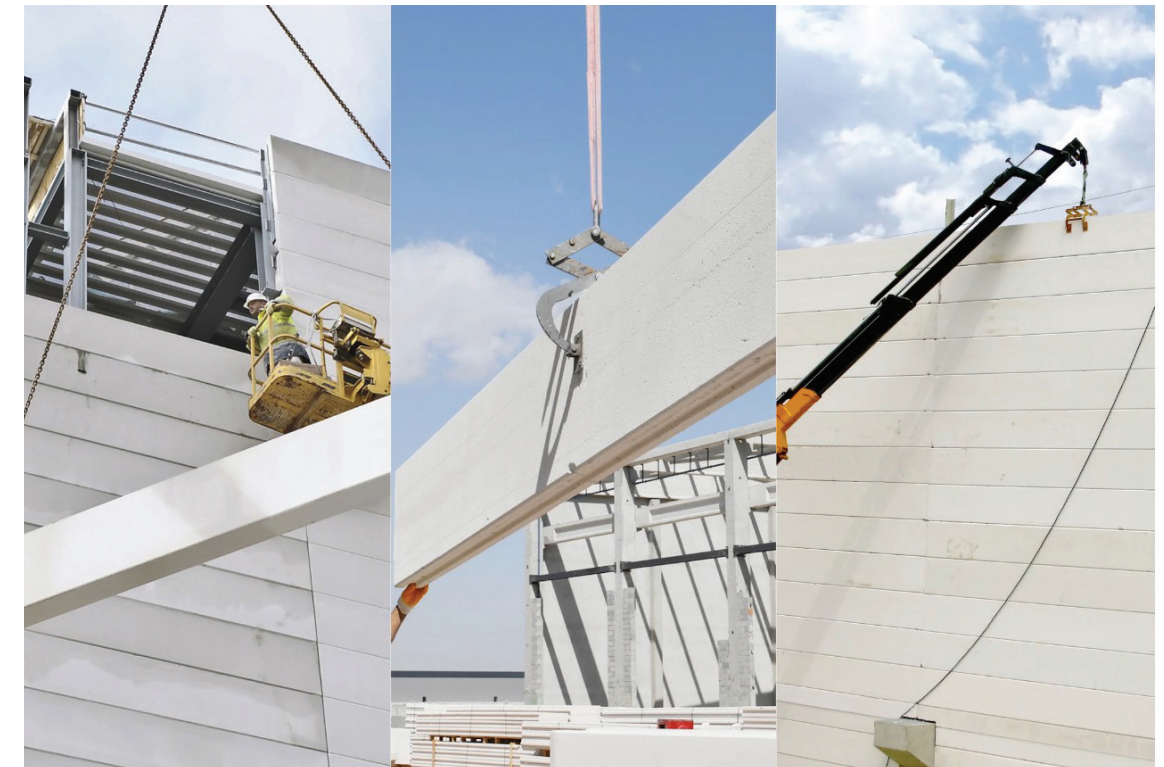
Gaziantep Ytong Production Chief
Gökhan Kindra

Could you briefly inform us about your fire resistant products?

Aerated concrete, which contains quartzite, cement, lime, aluminium powder and water in its mixture and gains its porous structure through many physical and chemical reactions, is a lightweight building material that creates healthy spaces with its form that does not contain inorganic and petroleum-derived components.

Aerated concrete, which provides versatile contributions to buildings and is the first choice of the modern world as a walling material, has A class non-flammability feature. Thanks to its thermal conductivity value, it eliminates the need for additional sheathing on the walls.

Due to its fire resistance and the fact that it does not emit toxic gases, it is used in the construction of fire-safe buildings and especially in industrial plants for fire barrier walls in intermediate halls.



In addition to these, it provides sound insulation with the air gaps in its structure, increases the resistance of the building against earthquakes as it reduces the building load, is aesthetic and environmentally friendly, cutting and assembly works are very easy.

Could you tell us a little about your R&D activities in this field?

Gaziantep Ytong considers R&D activities as the whole of its strategies in the production process and uses its competent technical infrastructure very successfully in the process of transforming knowledge into technology and technology into products.

It always strives to do better with plan and budget discipline in areas such as digitalisation, low cost, market needs, renewable energy systems and operational excellence.

How do you evaluate the sector at the point of manufacturer and user in fire resistant products?

Thanks to the regulations and legislations enacted by our ministries in this regard, the fire resistance of building materials has been significantly increased compared to previous years. Gaziantep Ytong devotedly supports all actions aimed at creating producers and consumers with a high level of awareness of the importance of fire and fire resistance supported by ministries, private institutions and non-governmental organisations.

*September 2022 Building Construction Magazine

Quality Approach and Integrated Management System

Gaziantep Ytong ensures the reliability and compliance of its activities by applying various ISO standards. These standards include quality management principles necessary for the continuity of improvement and development of systems, efficiency and sustainability of production.

Gaziantep Ytong takes into account the Integrated Management System it has established in the execution of all production processes and administrative activities, and in the planning of projects and investments.

It continuously monitors the currency of this system, which is defined, measurable, traceable, analysable and improvable, and carries out periodic audits and re-certification studies.



Gaziantep Ytong continuously improves its Integrated Management System to ensure quality, efficient and sustainable production in accordance with ISO standards.

Gaziantep Ytong Integrated Management System Policy

As Gaziantep Ytong, we always take into consideration the Integrated Management System and the Quality, Environment, Occupational Health and Safety and Information Security Management System Standard Requirements that we have established according to our vision, mission, principles and values. Aiming to gain the trust of our stakeholders and contribute to sustainable development in all our production and service activities, we work with all our strength to be an exemplary organisation in the building materials sector in a manner befitting the position of our Holding in the country and the world construction market.

Within the framework of Quality, Environment, Occupational Health and Safety Management Systems; in line with the determined environment and human-oriented policies, while producing environmentally friendly products in a healthy and safe working environment, by meeting the requirements of the applicable national and international legislation and other requirements, all compliance and obligations,

- To be a leader in quality,
- To improve company performance and efficiency of production,
- To provide our customers with the quality products they want in full and on time,
- To monitor and measure the performance of integrated management systems, to work continuously to improve performance according to the results of this monitoring and measurement, and to realise continuous improvement,
- To be customer orientated, to ensure continuity in meeting customer expectations and to handle customer complaints effectively,
- To develop systems to ensure occupational health and safety in our activities and to prevent occupational accidents,
- To provide a safe working environment by including OHS Culture in all business processes with the slogan "Whatever the work you do, let safety be your priority",
- To encourage the participation of our employees and suppliers in all our processes and occupational health and safety activities, to provide consultation and open communication environment,
- To adopt and support an occupational health and safety culture where risks are assessed at all levels in order to provide a healthy and safe workplace for our employees, customers, subcontractors-suppliers and all our visitors,
- To carry out activities that prioritise the elimination of OHS hazards and reduction of OHS risks,
- Respect for people and the environment with a focus on protecting our natural environment,
- Reducing waste, increasing the recycling rate, reducing the use of natural resources,

With all our employees, we accept and undertake to fulfil the requirements of the Integrated Management System Policy.

In order to keep customer satisfaction at a high level, frequent customer visits are made to analyse the needs and expectations of customers and the market.

Gaziantep Ytong reviews its systems and processes according to the results of customer satisfaction surveys conducted once or twice a year.

In the surveys, questions are asked about company awareness, customer awareness and satisfaction, ordering processes, quality standards and dealer preferences, and improvement activities are carried out after analysing the answers received.

Depending on this feedback, plans are made to achieve excellence in quality by taking into account the technologies available in the sector and operational flexibility.

Integrated Management Systems are audited every year according to the relevant standards. Aerated concrete and construction chemicals produced at Gaziantep Ytong are manufactured in accordance with the relevant standards of TSE according to product types and are audited annually.

Management systems established within the framework of the Integrated Management System:



ISO 9001:2015
Quality Management System



ISO 14001:2015
Environmental Management System



TS ISO 45001:2018
Occupational Health and Safety Management System



ISO 27001:2013
Information Security Management System

“Gaziantep Ytong develops accurate and timely solutions by meticulously analysing the current and future needs and expectations of its customers.”

Our Product Certificates:

- TS EN 771-4 + A1; Aerated Concrete Masonry Units -Ytong Block Materials
- TS EN 998-2; Masonry Mortar - Mesh Glue M5, Mesh Glue M10
- TS EN 998-1; Coarse and Fine Plaster Mortar - Plaster; Plywood Plaster
- TS EN 12004-1; Adhesives for Ceramic Tiles (Tile, Granite and Stone Adhesive)
- TS EN 13888-1; Joint Filler for Ceramic Tiles - Fugamatic
- TS EN 1504-2: 2008; Products and systems for the protection and repair of concrete structures Concrete Surface Hardener
- TS 13566; Cement Based Adhesive (For Thermal Insulation Board)
- TSE 13687; Cement Based Plaster (Thermal Insulation Board Plaster)
- TS EN 14891: 2012; WaterStop Flex
- TS EN 845-2 + A1 Lintels
- TSEK 108 Hollow Blocks Made of Aerated Concrete
- TS EN 13729 Aerated Concrete Thermal Insulation Board



YTONG attaches importance to environmental protection activities and carries out pioneering studies in many areas. In 2020, we realised a first in our sector in Turkey by obtaining an environmental label (EPD- Environmental Product Declaration) for our products and renewed our EPD certificate in 2022.

Transparent reporting of our environmental performance shows our stakeholders and customers how much importance we attach to our corporate sustainability goals.

YTONG not only provides the architects and engineers responsible for the design and construction of the projects that are candidates for the green building certificate with the detailed information they need in a transparent manner by collecting high scores with its environmentally friendly features, but also takes its sense of responsibility for sustainable construction one step further. YTONG continues its quest for the efficient use of energy resources through thermal insulation, which is the philosophy of its emergence about 100 years ago.

“The EPD Certificate and environmentally friendly features of Ytong products contribute to the projects that are candidates for green building certification to score points and obtain the targeted certificate.”



LEED is an international standard for green building design, construction and operation, created by the U.S. Green Building Council (USGBC). LEED offers a comprehensive set of criteria to reduce the environmental impact of buildings, increase energy efficiency and contribute to human health. YTONG is a preferred material in LEED certified buildings with its high thermal insulation, durability and recyclability.

“YTONG for nature-friendly projects.”

The use of YTONG helps to gain points in the following categories in the LEED certification process:

- **Energy and Atmosphere:** YTONG reduces energy consumption and prevents greenhouse gas emissions by reducing the heating and cooling needs of buildings.
- **Materials and Resources:** YTONG is produced from natural raw materials and minimal waste is generated during the production process. YTONG is also a recyclable material and can be reused at the end of the building life.
- **Interiors and Quality of Life:** YTONG improves the air quality inside the building and prevents harmful factors such as moisture, mould and bacteria. YTONG also reduces noise pollution by providing sound insulation.



Digitalisation and Process Efficiency

Digitalisation is vital for the survival and development of companies and is becoming an ever-increasing trend. Thanks to the innovations and developments resulting from digitalisation, the services offered and all transactions performed support a more comprehensive and sustainable growth.

Gaziantep Ytong reassures its customers, suppliers and stakeholders with its information security management system.

As Gaziantep Ytong, we closely follow the developing technology and digitalisation trends in the field of information technologies, carry out our processes in accordance with ISO 27001 standards and keep our technology constantly updated with our digital transformation practices.

We pay special attention to the studies on the risks that may occur in terms of information security, and we establish systems that reference international standards. These systems are designed, updated and audited in accordance with the data protection policies of the organisation. At Gaziantep Ytong, we employ competent personnel in information security, organise training and awareness activities, and act with a continuous improvement approach.

Digital transformation applications implemented in 2021 and 2022:

- With the renewal of the casting mixer automation and SCADA system, system monitoring, control and data collection processes were integrated and centralised management was established.
- With the principle of reuse, the idle palletising stacker crane was included in the current production by updating the software and making mechanical arrangements.
- In order to monitor the system monitoring, control and data collection processes from a single point, level radars were commissioned in the raw material silos and included in the SCADA system.
- By using frequency converter in the sludge mill motor, optimum speed control, motor protection and reduction in carbon emission due to energy efficiency have been achieved.
- An encrypted system was installed to monitor the entrances and exits of the IT room.

Targeted applications for 2023 and subsequent years:

- By integrating the SCADA system into the sludge mill and Raw Material Automation system; instant system monitoring and control capability will be gained, instant data collection, operator safety and energy efficiency will have positive effects.
- By using motor frequency converter in the raw material section, optimum speed control, motor protection and reduction in carbon emissions due to energy efficiency will be achieved.
- Our zero accident policy in Occupational Health and Safety will be supported with artificial intelligence-based OHS violations tracking software.
- Predictive maintenance automation systems will be installed for critical equipment and maintenance will be carried out before failure and excessive costs and long downtimes will be prevented.
- The high power motors used in the plant will be replaced with motors with efficiency class IE3 and IE4, which will ensure energy efficiency and a reduction in carbon emissions.
- Digital Contractor management system will be established for visitor and subcontractor management and contractor documents and working conditions will be digitally monitored.



Information Security Policy

Gaziantep Ytong has established an Information Security Policy and published it on its website to ensure business continuity, protect data integrity and manage risks to information assets.

The objectives of this policy are given below.

To assess and improve risks in terms of confidentiality, integrity and accessibility

To ensure the implementation and control of the Information Security Policy, to support the execution of the necessary sanctions in case of security violations by the management

To comply with the rules of information security systems and to continuously improve the system

To lead the trainings to improve the competencies of employees in terms of information security awareness and to be an exemplary organisation in the sector in integration with other management systems

To systematically manage risks to information assets in all processes

To comply with all legal regulations and contracts related to information security



Employee Empowerment

Safe Buildings, Happy Employees

Equal Opportunity and Diversity

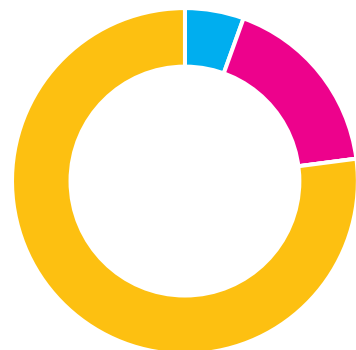
We believe that a diverse workforce is a better workforce, providing us with the diversity of experience and thought needed to manage our company and fulfil our corporate mission.

Gaziantep Ytong endeavours to protect its employees and human rights, stand against discrimination, promote diversity, ensure equal opportunities and increase inclusiveness in all its activities. In this regard, it carries out projects to raise awareness in co-operation with stakeholders and the society.

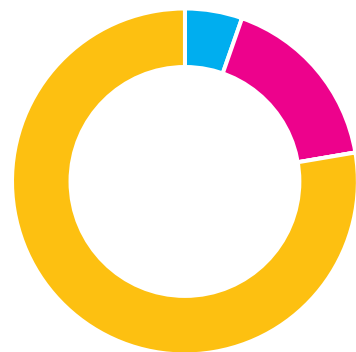
The Company adopts an equal opportunity approach to increase the ratio of female employees. The Company has 24% female white-collar employees and endeavours to further increase this ratio.



Labour Force



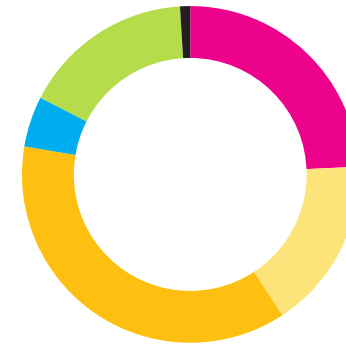
2021



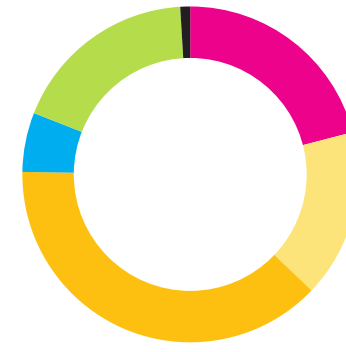
2022

Unit by Employment Type	Unit	2021	2022
White Collar - Female	Person	6	6
White Collar - Male	Person	19	19
Blue Collar - Female	Person	0	0
Blue Collar - Male	Person	84	87

Education Distribution



2021



2022

	2021	2022
Primary	25	22
Secondary School	17	17
High School	38	40
Vocational High School	5	6
University	17	19
Master's Degree	1	1

Talent Management



Gaziantep Ytong provides its employees, who are the most important part of its success in the sector, with rights beyond the requirements of the Labour Law and aims to recruit new talents while maintaining a meritorious workforce profile in line with its corporate values. Gaziantep Ytong attaches importance to the development and motivation of its employees and offers them opportunities in areas such as training, career planning, performance evaluation, remuneration and social rights. Together with its employees, Gaziantep Ytong continues to be a leading brand in the sector.

We offer continuous training opportunities to our employees to increase their competencies and adapt to the new generation workforce. We organise professional and personal training programmes to help our employees reach their career goals and improve themselves. In order to increase the motivation and loyalty of our employees, we attach importance to their participation in training processes and their feedback.

Sanko Development Portal is an online platform for our employees to improve their careers and themselves. This platform offers more than 620 training options including legal, personal development and vocational trainings. Thanks to these trainings, the average training time of our employees was 615 minutes per person.

As Gaziantep Ytong, we believe that sustainable growth is only possible through lifelong learning. For this reason, we conduct surveys and receive feedback to increase employee satisfaction and improve processes. In addition, within the scope of the Digital Transformation Project, all of the Human Resources modules have been digitised and among these modules, the 'Performance Evaluation' system is among the prominent works.



OCCUPATIONAL HEALTH AND SAFETY

Eliminate Risks, Build Safety



Occupational Health and Safety

Implementing modern policies and practices on Occupational Health and Safety (OHS), Gaziantep Ytong ensures the active participation of its employees in these processes.

Gaziantep Ytong pays attention to the occupational safety and health of its employees and takes necessary measures to prevent occupational accidents and occupational diseases.

Occupational Health and Safety is a priority and sensitive issue for Sanko Group. The safety of our employees and facilities is vital for our business continuity and brand value. For this reason, we act with the principle of zero tolerance in occupational health and safety, take measures at the highest standards in our operations and facilities, closely monitor technological innovations and implement the necessary practices to protect employee health.

Gaziantep Ytong is aware that employee health is at the forefront and a safe working environment must be created to ensure a sustainable working environment. In accordance with the Occupational Health and Safety Law, it fulfils the requirements of the relevant legislation and supports the OHS process with ISO 45001 certification. In addition, within the framework of the Integrated Management System Policy and Sustainability Policy, it is committed to providing a safe working environment for its employees and visitors by identifying hazards at the source and minimising risks to prevent occupational accidents and occupational diseases.

Occupational health and safety is coordinated with the central OHS Directorate and the factory OHS Unit. OHS performance is subject to internal and external audit and evaluation activities such as ISO 45001 audits, national audits, Ministry of Labour and Social Security audits, in-house evaluations, inter-factory evaluations. In OHS management, national and international legislation as well as current best practices in the sector are followed.

Occupational Health and Safety Trainings	2021	2022
Number of Company Employees	106	112
Number of Subcontractor Employees	12	12
Total OHS Trainings (Person*Hour)	17	42
Board OHS Committees		
Total Number of Members	12	12
Board OHS Committees		
Number of Employee Representatives	3	3

Accidents (%)	2021	2022
Near miss	202,00	1.377,00
Behaviour Focused Field Audits	188,00	609,00
Risk analyses before work	35,00	1.677,00
Number of drills	4,00	4,00
Lost Days (%)		
Accident severity rate	822,00	5,9
Accident frequency rate (IR)	36,00	8,85
Occupational disease rate (ODR)	0,00	0,00

OHS Board

The OHS Board convenes once every two months as a legal requirement and regardless of time in case of emergency. In addition to the board teams (employer's representative, OHS specialist, workplace physician, union representative, HR representative, etc.), unit officials with professional competence also attend the meeting and collective decisions are taken.

In addition, there is a team of 3 people in total, including 1 union chief representative and 2 worker representatives. A risk-oriented approach is adopted in the field of occupational health and safety. In the system where risks are identified at every stage and monitored through action plans, all relevant stakeholders contribute through the near-miss/hazard/suggestion notification system. The notifications made are evaluated by the risk assessment team, placed among the action plans according to the degree of priority and monitored. Our company has risk analyses prepared separately for all business units. OHS targets and performance results are discussed at OHS committees.



16 person/hour in 2021
Occupational Health and Safety Trainings
As of September 2022
We've increased it to 32 people/hour.

In extraordinary circumstances, the OHS Board is called for an urgent meeting. OHS Board members consist of the units and persons specified in the regulation. OHS Board meetings are chaired by the General Manager. OHS trainings are organised in order to raise awareness of occupational health and safety among our employees and thus minimise risks.

In addition to the mandatory OHS trainings attended by employees, employee trainings such as OHS Leadership, Behaviour Based Odit, Safe Driving Techniques are also carried out. Measurements within the scope of OHS legislation are regularly carried out by accredited laboratories in accordance with legal regulations.

Personal noise, personal vibration, thermal comfort, personal dust measurements are carried out. In addition, measures are taken with drills for emergencies and on-the-job training is provided to subcontractor employees.

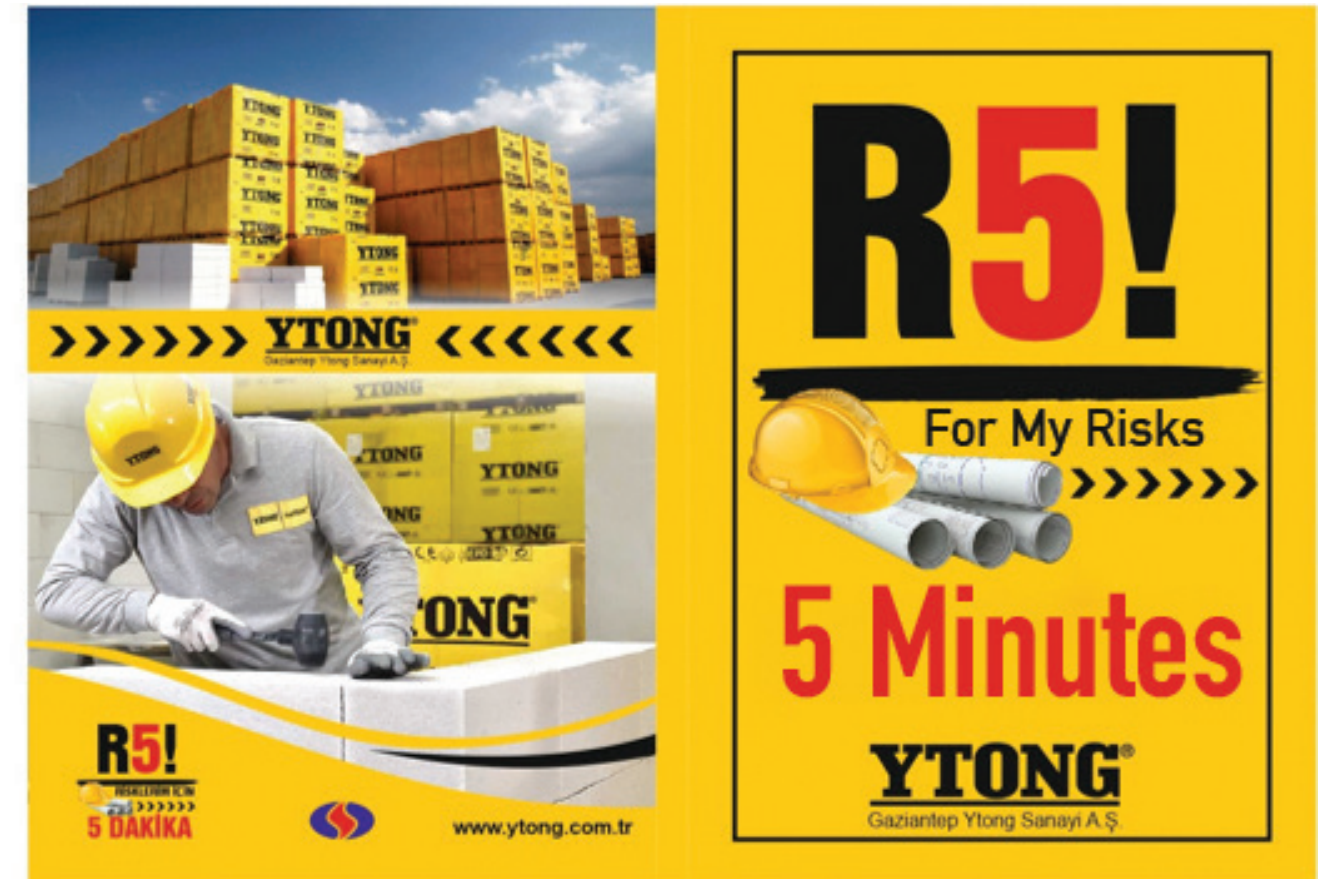
Gaziantep Ytong revised its management approach in the field of occupational health and safety in line with the Zero Accident Policy and carried out the following activities:

- **Accident Free Month Activities:** The safety of our employees and their families is very important to us. For this reason, we organise “**Accident-Free Month**” events every month. During these events, we provide information, training and audits on occupational health and safety. In addition, we ensure continuous improvement by taking the opinions and suggestions of our employees and their families. Thus, we work together to prevent accidents and create a safe working environment.
- **Slogan competition with the participation of employees:** We determined a slogan for Safe Ytong with the contributions of our employees: “**Whatever work you do, safety is your priority**”. This slogan won the first place in a competition with the participation of 110 employees, receiving 45 votes, and formed the basis of our OHS approach.
- Commissioning of the QR-coded hazard-near-miss notification system titled “**Accident Says, I’m Coming**”: Our Ytong Notification System with QR code is a system that enables employees to instantly communicate work-related hazards and dangerous situations to managers. The aim of this system is to improve occupational safety culture, reduce risks and prevent possible accidents. Our application is designed as a mobile application that employees can download to their mobile phones. Employees can report dangerous situations by scanning QR codes or taking photos. Notifications reach the relevant managers and occupational safety experts and necessary measures are taken. The Ytong Notification System is an effective tool to improve the OHS culture in the workplace and increase employee participation.



- With the “**5 minutes for my risks**” application, employees examine the hazards in their work before starting work: This is a method we apply to increase the occupational safety awareness of our employees and prevent occupational accidents. Before starting any work, our employees evaluate the risks involved in the work and how they can minimise them. In this way, it is possible for our field employees to recognise the dangers they may encounter in jobs such as

production, mechanical maintenance and electrical maintenance in advance and take the necessary measures. Launched in 2021, this practice encourages our employees to manage their own risks and take pre-job actions. In addition, our employees are trained to continuously improve the quality of the pre-job risk analysis practice in our factory. With this practice, our goal is to ensure a safe working environment and reduce occupational accidents to zero.



■ **OHS awareness training for pre-school children** The pre-school period is a critical stage when children shape their behaviour and attitudes. Therefore, raising OHS awareness at an early age will help them build a healthy and safe future. For this purpose, we have started to provide trainings to raise OHS awareness in pre-school institutions by adopting our proverb that the tree bends at an early age as a principle.

In these trainings, we use various activities, games and visual materials to introduce children to the risks they may encounter in daily life, teach them to take simple precautions and reinforce safe behaviours. Thus, we contribute to the development of OHS Awareness of both children and families.



GAZİANTEP YTONG increased its score from 45 points in 2021 to 84 points in 2022 in SANKO Holding OHS audit and ranked 2nd among the Holding companies.

With these improvements in the field of occupational health and safety, the number of near-misses, unsafe acts and hazard notifications increased from 150 in 2021 to 1,500 in 2022.

Thanks to the practices implemented by the Company, accident frequency and accident severity rates decreased significantly in 2022 compared to the previous years.



STAKEHOLDER RELATIONS

Employees Our Building Blocks

Stakeholder Communication

Gaziantep Ytong believes in the power of cooperation and aims to realise its corporate and sustainability vision and create shared value with its stakeholders.

Gaziantep Ytong considers all its stakeholders, including employees, managers, customers, suppliers and other institutions and organisations, as its basic building blocks and encourages them to express themselves and their ideas freely and transparently. In addition, it provides added value to its employees through developmental training and practices and to other stakeholders through multilateral, original projects.

Corporate Memberships

- GAIB-Southeastern Anatolia Exporters' Associations
- Gaziantep Chamber of Industry
- Turkey Aerated Concrete Manufacturers Association
- Gaziantep Chamber of Commerce



Paydaş Grubu	İletişim Sıklığı	İletişim Kanalları
Employees	Within the business cycle - daily	Sustainability report, corporate policies, suggestion system, ethics line, collective labour agreement, employee trainings, occupational health and safety boards, internal information announcements, social media, website, social events, employee portal
Managers	Within the business cycle - daily	Meetings and interviews, ethics hotline, teleconferences, annual reports and other presentations
Shareholders	General Assembly and in other necessary cases	Annual General Assembly meetings, monthly board reports, meetings and interviews, teleconferences, ethics hotline, annual reports and other presentations
Public Institutions	Within the scope of the business cycle - where necessary	Reporting in accordance with the legislation, sustainability report, meetings and interviews, visits, audits, technical reports, website, social events, sponsorships, ethics line
Customers	Within the business cycle - daily	Product brochures, product brand-market research, meetings and trainings, dealer meetings, periodic visits, interviews, product labels, social media, website, social events, customer portal, complaint portal, ethics line
Suppliers	Within the business cycle - daily	Meetings and interviews, corporate policies, social media, website, social events, ethics hotline
Sectoral Organisations	Within the scope of the business cycle - where necessary	Meetings, visits, media, website, sponsorships, Sani Konukoğlu Foundation activities, ethics line
NGOs	Within the scope of the business cycle - where necessary	Meetings, visits, media, website, sponsorships, social events, Sani Konukoğlu Foundation activities, ethics line
Universities	Within the scope of the business cycle - where necessary	Meetings, visits, media, website, sponsorships, trainings, social events, Sani Konukoğlu Foundation activities, ethics line

Community Investment Programmes

Gaziantep Ytong believes that regional development and progress is not only about meeting the needs of local people, but also about empowering and communicating with them through social responsibility projects and community investments (projects, donations, sponsorships). Gaziantep Ytong contributes to various activities for this purpose and works to improve the welfare of the community.



Hasan Kalyoncu University Department of Architecture Online Internship Training

Internship training was given to architecture students from Ytong production process to thermal insulation properties. Competence and technical information of Gaziantep Ytong was conveyed.

Gaziantep Chamber of Civil Engineers Chamber

Sponsorship support was provided for the Annual Agenda.

Support to Adana Village School Project

Free Ytong block support was provided for the village school.

Supporting Tübitak Projects together with the faculty members of Çukurova University AOSB Technical Sciences Vocational School Textile Technology Department.

Alkali resistant glass, basalt and carbon fibre reinforced prestressed concretes to be obtained from hair weave yarn and epoxy coated textile surfaces were supported. Factory laboratory support was provided. A technical visit was made to our factory.

Gaziantep University Civil Engineering Department Technical support and sponsorship support for the national project competition

Technical and sponsorship support was provided to the Civil Engineering Department and lecturers for the national project and bridge design competition held at Boğaziçi University.

Presentation and transfer of Sanko Holding Experiences to Gaziantep Anatolian High School 12th grade AYT students within the scope of career days

With the support of ITU Alumni Association and GALMED, career opportunities in Sanko Holding / Gaziantep Ytong Company and company representation and holding were introduced.

With the support of ITU Alumni Association Gaziantep Branch, a seminar on the use of flammable materials in buildings was attended.

A presentation on the use of flammable materials in buildings was made to ITU alumni association members, municipality officials and governorate officials.

Adana Mechanical Engineers Energy Performance Certificate (EPC) Trainings

EPC Training was given to mechanical engineers, sector and engineers.

APPENDICES

Sustainability Goals

Focus 1 Occupational Helal and Safety

Target Description	Performance Indicators	Realised 2021	Realised 2022	Target 2023	Actions to be taken in the Road Map
Zero accidents	Accident Weight Ratio	822	5,9	0	We focused on proactive solutions to realise our zero accident policy. In this context; increasing OHS training hours, implementing risk analyses before work, actively sharing the blue-collar scorecard with employees, increasing the number of field inspections, and continuing to quickly evaluate near-miss/hazard notifications from employees with the QR code notification system under the title of "Accident Says I'm Coming". Digitalisation in OHS will be achieved by making use of artificial intelligence technology.
	Accident Frequency Rate	36	8,85	0	Within the framework of a proactive approach to prevent occupational accidents, the use of work permit forms, on-the-job talks, OSGB service and external eye evaluation are carried out.
	Increasing the number of pre-job risk assessments (pcs/year (R5))	35	1528	2000	Risk analysis before work (R5) application has been put into practice. The importance and necessity of conducting risk analysis before work was explained to the employees. A booklet was printed and distributed to employees for ease of application.
	Increasing the total number of behaviour-oriented inspections (pcs/year)	188	609	800	White-collar employees were trained by an external training organisation and 2 audits were planned for each white-collar employee per month. With these audits, it is aimed to evaluate the field by external eyes and to obtain the opinions of colleagues working in different units.
	Increasing annual training hours per person	17	42	43	The trainings specified in the annual training plan will be implemented, in addition, 15 minutes of on-the-job talks will be held daily.
	Increasing the number of hazard-risk notifications quantity/year	202	1250	1500	Near-miss / unsafe situation / unsafe act notification system has been established. In order to accelerate the adaptation process of employees, a reward system is applied for the employee who makes the most notifications.
	OHS Improvement Activities	3	2	5	Consultancy support has been received for the development of the fire detection and extinguishing system; reinforcements will be made to the existing system. Site concrete will be poured to make the vehicle traffic on the site safe. In order to make stock counting safe in the field, stock areas will be determined with lines. Site vehicle traffic flow process will be renewed, vehicle loading areas, spanzet towing locations will be determined. Pedestrian roads will be revised. The movement area of monorail cranes will be coloured to increase the visibility of dangerous areas.
	Reward and punishment system	3	6	12	OHS Employee of the Month is selected and rewarded.
	Transition to Digitalisation project at OHS	0	1	3	Preparations will be made for the transition to the QDMS system. Processes will be digitalised by using artificial intelligence technology in OHS. By establishing a subcontractor management system, it will be ensured that the process is active and safe in subcontracted works.

Focus 2 Climate and Environmental Protection

Target Description	Performance Indicators	Realised 2021	Realised 2022	Target 2023	Actions to be taken in the Road Map
Including proposals/projects to increase biodiversity in rehabilitation projects	pcs/year	0	Environment week activities were held.	2	Activities will be organised during the environment week. A survey on biodiversity will be organised with the participation of our employees. It is aimed to select and realise the suggestions obtained from surveys and competitions.
Rehabilitation of areas where operation/ production has ended	pcs tree/year	0	100	150	Afforestation work will be carried out in October - November in the finished waste dumping areas. It is aimed to increase the green areas within the enterprise. (April)
Energy saving with the use of quartzite sand (primary crushing and screening in the quarry and secondary crushing and screening plant in the factory)	kwh/ton	6	As of August, quartzite sand started to be used.	0	Instead of using quartzite sand instead of taking the quartzite extracted from our own quarry into production by first passing it through the primary crushing and screening plant in the quarry and then through the secondary crushing and screening plant in the factory, three processes, including the extraction of the mine, primary and secondary plant, have been bypassed.
Oil saving through the use of quartzite sand	total oil consumption / month	-	300 lt	270 lt	Since the primary and secondary crushing and screening plants do not operate due to the use of quartzite sand, there is no oil consumption in these plants. KPI is based on the oil consumption of the total plant.
Reduction of CO ₂ emissions by using quartzite sand	Diesel emission savings tonnes CO ₂ / tonne	-	3	2.48	In 2023, the use of quartzite sand will continue.
Natural Gas Usage	natural gas/m ³ aerated concrete	69	82,8	60	In the second six months, work will be carried out to eliminate the recovery system deficiencies. In the second six months, hot water will be obtained from waste steam with boiler air economiser. In the second six months, hot water will be obtained by utilising the heat of the flue gas with the boiler flue gas economiser. Boiler and burners will be revised.
Renewable energy project	kwh/yıl	0	390.100	750.000	The SPP project was commissioned in May 2022.
Energy Efficiency	kwh/m ³ gas concrete	19	15,9	15,5	The quartzite quarry, the primary crushing and screening plant in the quarry and the secondary crushing and screening plant in our plant will be deactivated by ensuring the continuity of quartzite sand utilisation.
Increasing our alternative energy ratio	steam kg/year	19580	8178		Problems in outsourced energy supply will be reported to the stakeholder.
Reducing fat consumption	kg/m ³ gas concrete	0,5	0,46	0,42	It is planned to prevent oil leaks used throughout the factory with periodic controls and to install automatic lubrication systems in moulds.
Reducing our water consumption	m ³ /m ³ gas concrete	0,6	0,45	0,42	Waste water generated in the production system will be reused in the processes. The rainwater recycling project, which received an award during the environment week, will be put into operation.

Focus 3 Sustainable Construction

Target Description	Performance Indicators	Realised 2021	Realised 2022	Target 2023	Actions to be taken in the Road Map
Use of recycled ytong waste	To increase the utilisation rate (%)	20	20	20	Ytong sludge and broken aerated concrete resulting from the process are recycled into the system.
EPD Certificate Renewal	quantity	-	-		In 2022, EPD certificate was renewed.
To be a solution partner in green building projects and reduce the environmental footprint of buildings	Developing products and services in line with sustainable construction solutions quantity/year		1	1	Çukurova University is working on a project to use textile reinforced concrete instead of iron reinforcement used in aerated concrete. With this project, CO2 emission in reinforcement production will be minimised. It was submitted as a Tübitak project and accepted. Project work continues at the university.
Special product	Studies of special products quantity/year	2			<p>1. Special product</p> <p>U Block work will be done (U section block building materials used instead of wooden moulds in horizontal and vertical reinforced concrete beams. It provides homogenous wall surface formation, especially in the production of reinforced concrete beams on the walls of buildings.</p> <p>Thus, possible thermal bridges are eliminated and structural damages that may occur on reinforced concrete surfaces due to condensation and mould are prevented.</p> <p>2.Special Product</p> <p>Ytong 0.09 Block is a mineral-based, fireproof wall material with improved thermal insulation performance. It provides 30 per cent more energy saving compared to standard aerated concrete blocks.</p> <p>It is used in the construction of interior and exterior filling walls and especially in exterior thermal insulation solution without sheathing. It is also suitable for fire wall construction.</p>
Increase the use of return pallets	pcs/year	34500	11275	20000	Ürün ile gönderilen paletler firmalardan geri alınarak tamir sürecinden geçirildikten sonra tekrar kullanılmaktadır.
Reduction of environmental complaints	Number of complaints/yearly	0	0	0	<p>The pallets sent with the product are taken back from the companies and reused after the repair process.</p> <p>Noise and dust emission will be reduced by deactivating the crushing and screening plant.</p> <p>Dust emission will be reduced by covering the newly commissioned quartzite sand and bunker feeding line</p>

Focus 4 Stakeholder Engagement

Target Description	Performance Indicators	Realised 2021	Realised 2022	Target 2023	Actions to be taken in the Road Map
Increasing stakeholder participation	Number of councils/ meetings/projects to increase stakeholder participation (meetings with neighbouring villages, schools, etc.)	6	40	45	<p>Technical presentations will be made according to the deficiencies in the cities we serve and the level of knowledge of public and private sector representatives. Training, information and company presentation will be made to municipalities, public institutions and universities. Chamber of Civil Engineers and Gaziantep University sponsorship is planned.</p> <p>Technical support will be provided to mechanical engineers and contractors on project preparation in order to raise awareness on thermal insulation.</p> <p>It is aimed to be a solution partner to Gaziantep University Civil Engineering Department in the project of increasing the strength of concrete.</p>
Voluntary community work (teaching in schools, etc...)	Hours/year	6	31	35	<p>Hasan Kalyoncu University Department of Architecture was informed about thermal insulation in buildings, use of flammable materials and project wall design.</p> <p>Energy Identity Certificate training will be given to the employees of the Chamber of Mechanical Engineers.</p>

Focus 5 Employee Empowerment

Target Description	Performance Indicators	Realised 2021	Realised 2022	Target 2023	Actions to be taken in the Road Map
					<p>Regular monthly events were organised.</p> <p>Afforestation work will be carried out in our facility garden. Afforestation wind catcher trees will be preferred. Thus, dust transfer in the field will be prevented.</p>
Increasing employee loyalty	Employee loyalty increase rate %				<p>Employees will be provided with trainings suitable for their work and personal development.</p> <p>The OHS employee of the month will be selected and rewarded every month with a blue-collar report card.</p> <p>The employee engagement survey will be repeated.</p>

Climate and Environment Targets

Target Description		Target
2023	Reducing the Use of Natural Gas	To provide 5-10% energy saving in boiler with flue gas and burner economiser
2026		To provide 20-25% energy saving with the revision of the boiler room
2032		Producing hydrogen gas from solar panels and supplying water and steam to the system
2053		Realising aerated concrete production without autoclave regime
2023	Electricity Generation from Renewable Energy	Ensuring full capacity utilisation of SPP
2026		To meet the field lighting with renewable energy, to increase the number of panels by 25
2032		Increasing the number of panels by 50
2053		To provide all of the energy consumption from renewable energy
2023	Reducing Water Use	Ensuring recycling of rainwater
2026		Using 15% of the water used in production from recycled water
2032		To ensure the use of grey water
2053		Reducing waste water to zero in aerated concrete production
2023	Reducing Industrial Oil Consumption	Reduction of consumption by switching from brush lubrication to gun lubrication
2026		Switching to automatic lubrication system
2032		Zero mould oil usage
2053		Using environmentally friendly products instead of petroleum-containing oils in machine lubrication, switching to automatic lubrication in machines

GRI Standard	DISCLOSURE	LOCATION
GRI 2: General Disclosures	2-1 Organization information	12-17
	2-2 Entities included in the organization's sustainability reporting	7
	2-3 Reporting period, frequency and contact point	7
	2-4 Re-declaration of information	7
	2-6 Activities, value chain and other business relationships	12,16,54-61
	2-7 Employees	74-77
	2-9 Governance structure and composition	26,27
	2-11 Chair of the highest governance body	27
	2-12 Role of the highest governance body in overseeing the management of impacts	27
	2-13 Delegation of responsibility for managing impacts	27
	2-14 The role of the highest governance body in Sustainability Reporting	26,27
	2-16 Communication of critical concerns	25,28,29
	2-22 Statement on sustainable development strategy	30,31
	2-23 Policy commitments	22,23
	2-24 Embedding policy commitments	22,23
	2-26 Advice and feedback mechanisms	76
	2-27 Compliance with laws and regulations	64,65
	2-28 Membership associations	88
	2-29 Approach to stakeholder engagement	88,89
GRI 3:: Material Topics	3-1 Process to determine material topics	28,29
	3-2 List of material topics	29
	3-3 Management of material topics	28,29
GRI 301: Materials	301-1 Materials used by weight or volume	48,49
	301-3 Recycled products and packaging	46,47

GRI 302: Energy	302-1 Energy consumption within the organization	36,37
	302-4 Reduction of energy consumption	36,37
	302-5 Reductions in energy requirements of products and services	36,37
GRI 303: Water and Wastewater	303-1 Interactions with water as a shared resource	44,45
	303-2 Management of water discharge-related impacts	44,45
GRI 305: Emissions	305-5 Reduction of GHG emissions	37
GRI 306: Waste	306-1 Waste generation and significant waste-related impacts	46,47
	306-2 Management of significant waste-related impacts	46,47
	306-3 Waste generation	46,47
	306-4 Separation of waste	46,47
	306-5 Waste disposal	46,47
GRI 308: Supplier Environmental Assessment	308-1 New suppliers that were screened using environmental criteria	50,51
GRI 401: Employment	401-1 New employee hires and employee turnover	74,75
GRI 403: Occupational Health and Safety	403-1 Occupational health and safety management system	80-85
	"403-2 Hazard identification, risk assessment, and incident investigation"	80-85
	403-3 Occupational health services	80
	403-5 Worker training on occupational health and safety	80
	403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	82-85
	403-8 Workers covered by an occupational health and safety management system	80,81
	403-9 Work-related injuries	80
GRI 404: Education	404-1 Average hours of training per year per employee	77
	404-2 Programs for upgrading employee skills and transition assistance programs	76,77
GRI 405: Diversity and Equal Opportunity	405-1 Diversity of governance bodies and employees	75
GRI 416: Customer Health and Safety	416-1 Assessment of health and safety impacts of categories of products and services	54-55
GRI 417: Marketing and Labeling	417-1 Disclosure requirements for products and services	57-61

