



SASA
POLYESTER SAN. A.S.

Sustainability Report

2020

About Report

As SASA, we share our environmental, social and corporate governance performance in our sustainability report, which we first published in 2020 by integrating our sustainability strategy into our business model.

This report presents our contributions to the 2030 Agenda and Sustainable Development Goals approved by the UN in 2015.

The report covers the production facilities of SASA in Adana, the raw material storage and shipment facilities in Iskenderun, and the 12-month operating period between January 1 and December 31, 2020.



Sustainability Report

2020



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CHAIRMAN OF THE BOARD OF DIRECTORS

İBRAHİM ERDEMOĞLU

Dear SASA stakeholders,

The COVID-19 Outbreak (Pandemic), which started to spread in the first quarter of 2020, turned into a serious crisis and changed all the balances in the world economy. While the global economy experienced the greatest shock in recent history, production, consumption and trade volume decreased simultaneously. For these reasons, the OECD predicted that the world economy would shrink by 4.2 percent and the Turkish economy by 1.3 percent in 2020.

Oil prices, which have a direct impact on polyester raw materials, decreased from 60 USD/ barrel levels at the end of 2019 to 20 USD levels in 2020 due to the shrinking

global trade volume. In the sector affected by this rapid decline and fluctuation, while stock costs increased in general, decreases in profitability occurred. Despite all the recessions, restrictions and crises caused by the pandemic in 2020, SASA reached the highest turnover and tonnage figures in its 55-year history again in 2020. In this increase, SASA's ability to adapt rapidly to changing needs and its supply of raw materials to the health and hygiene sector played a major role. Thanks to SASA, which continued its investments despite the economic crises in 2020, Turkey has met the 2% of the world's polyester demand.

SASA increased its sales amount from 380 thousand tons in 2019 to 722 thousand tons by 90% in 2020, increased its turnover by 82% compared to the previous year to 5.040 million TL, and achieved an EBITDA of 1.27 billion TL in 2020 by increasing the EBITDA figure from 290 million TL by 437%.

Our company have continued its investments (which is one of the most effective weapons of combating unemployment that is one of the most fundamental problems of our country and increasing its impact during crises) and has increased its total production capacity to 1.4 million tons/year with the POY, Texturized and PET Resin facilities, which were fully operational in 2020, exceeding the capacity of 4 in 2016. reached a solid size and increased the number of its employees from 1,000 to over 4,000, again quadrupling.

According to 2019 data, our company, which is 68 companies in Turkey and the largest company in Adana, is taking firm steps towards becoming one of the world's leading petrochemical giants in production sales.

Our turnover is expected to reach approximately USD 1,400 million in 2021 and 2022 with our existing facilities and USD 2,600 million in the year following the commissioning of our PTA and PET Resin facilities.

Combining more than fifty years of experience with advanced technology, SASA has adopted to act in line with environmental, social and corporate sustainable development goals with its employees and all stakeholders for a sustainable world in all its operations and investments. By developing human and environmentally friendly strategies, it directs its investments in this way and develops company policies in this direction. We aim to determine the sustainability strategy by increasing the value generated by SASA in the fields of environmental, social and corporate governance and to carry

forward the activities of conducting, monitoring and auditing policies, goals and practices in this context in a transparent manner.

The share value of SASA, which is included in the BIST 50 index, increased approximately 12 times in USD terms from the day it was included in Erdemöglü Holding in 2015 to the end of 2020, and our growing company continued to share its increasing profitability with our partners who believed in us and walked with us on this journey.

I wish all our employees, stakeholders, customers and suppliers a healthy and prosperous 2021 in which economic and social difficulties are left behind, and I would like to thank everyone who trusts us on behalf of our board of directors.



By developing strategies that are sensitive to people and environment, we make our investments and develop company policies accordingly.



GENERAL MANAGER

DR. MUSTAFA KEMAL ÖZ

Dear Stakeholders,

As you know, the aim of the Paris Agreement, to which our country is a party within the scope of the climate movement, is to limit the global average temperature increase. For this purpose, the European Union aims to make its economy sustainable and become a "carbon-free continent" with the Green Deal policy package.

As SASA, we have accelerated our work for the global climate movement; we have developed new strategies covering our industrial and commercial activities in order to mitigate the effects of climate change, which is one of the most important elements of sustainability.

Our sustainable business model with scientifically Science Based Targets will not be limited to the roadmaps planned for climate change alone. Accordingly, at the center of our sustainability strategy are the United Nations Sustainable Development Goals in environmental, social and governance elements. With this approach, our primary sustainable development goals that we adopt for our existing and

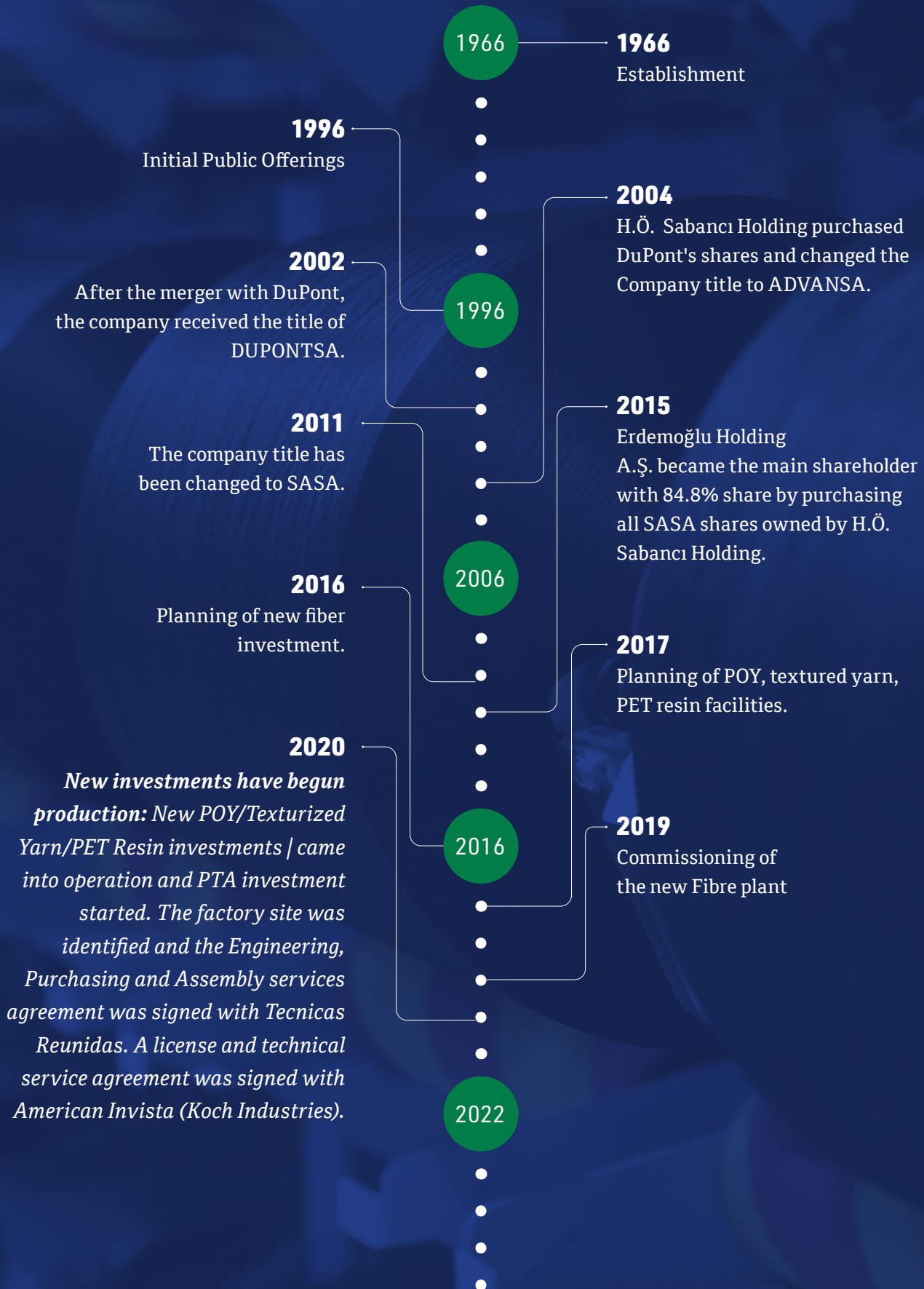
new investments are;

- To provide stable, inclusive and sustainable economic growth, full and efficient employment and decent employment opportunities for everyone,
- Establishing sound infrastructure, promoting inclusive and sustainable industrialization and innovations,
- Designing consumption and production models with sustainable circular economy content,
- Take action to mitigate climate change and its effects

Creating collective awareness with our stakeholders by involving our customers, suppliers, employees and all our business partners in our sustainable development policies and developing national and international collaborations in this direction will be our greatest motivation in our sustainability journey.

As SASA, we will continue to work with great determination with all our stakeholders on the transformation journey we have started for a more sustainable future.

SASA - MILESTONES



Our Product Groups

Fiber



Fiberfill



Nonwoven



Textile

Textile: Polyester staple fibre products are fabricated by the production of 100% polyester and/or mixed yarn (cotton, viscose, acrylic, wool, nylon), then by weaving and knitting. In the textile industry, SASA stands out with its high strength and high modulus, high-paint white products and black fiber, which belongs to SASA, the production technology. Our black fiber products make a difference to our customers with their deep black, high color fastness, easy processability and collatability compared to their competitors in the market.

Comfort and Filling Fiber Industry: After the fibers are combed, turned into beads or tied into fibers, pillows, toy filling, quilts, all kinds of coats, furniture fillings, beds, decorative pillows are turned into. SASA, which has the highest capacity in bi-component fiber production in the European region with its own technology, provides its customers with washable, durable and long-lasting filling raw materials with conjugated fibers that show spring characteristics.

Technical Textile: It is used as the main raw material of hygiene (wet wipes, pads, cosmetic wipes), medical (bandages, surgical drapes, masks) automotive (ceiling, floor and parasol carpets, insulation materials), artificial subcutaneous carriers, filter (liquid-gas), cleaning cloths, all kinds of apparel interlining, plush, geotextile (asphalt stabilizers, drainage, underground, garden), construction (acoustic insulation, roof insulation, floor coverings) and similar products with different fiber bonding methods (mechanical, water needling and chemical). In the "Technical Textile" sector, which serves many different and niche sectors, SASA creates value with special solutions and special products for its customers.

SASA is a leader in polyester fiber production in Turkey, Europe and the Middle East with polyester fiber production for different sectors.

Special Polymers and Chemicals

SASA Special Polymers and Chemicals Department produces around the vision of developing human and environmentally sensitive products and supplying customers in the geography it serves. The business line structured in line with this vision serves the following sectors:

Textile Sector: Standard and high viscosity polyester polyethylene terephthalate and polybutylene terephthalate polymer products are first converted into yarn and fiber, then into woven, knitted fabrics and nonwoven textile surfaces. Industrial Sectors: High-viscosity polyester polyethylene terephthalate and polybutylene terephthalate polymer products are used in industrial applications requiring high strength depending on their final use.

Film and Packaging Sector: Polyester polyethylene terephthalate polymer products, which are specially manufactured for their

final use, are used in the production of films and packaging materials that can or do not come into contact with food. Antimony-free film-type polyester polymers, which are especially important in food contact, are also included in the product portfolio.

Engineering Polymers: Polybutylene terephthalate and thermoplastic elastomer polymers are used in the production of automotive parts, electrical-electronic equipment, white goods and various other plastic products by plastic injection method. Plasticizer: SASA Plus 88 phthalate-free product is used as a plasticizer in PVC production. Since chemicals containing phthalates are classified as hazardous substances because they are harmful to health, the importance of SASA Plus 88 product and its place in the sector is increasing.

Although our Special Polymers and Chemicals product groups

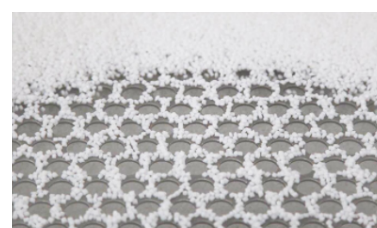
are mainly exported to Europe, we also have sales to the domestic market, the Middle East, North America and Asia Continents.



Advanite™ Advanced Polymers



Advanite™ PBT Solutions



Advanite™ PET Solutions



Thermoplastic Polyester Elastomers



Plasticizer



Dimethyl Terephthalate (DMT)

Filament

SASA Filament Department produces poy and textured yarns mainly for use in knitting and weaving.

Synthetic filament yarns produced from 100% Polyester are produced for the textile sector (Home Textile, Carpet, Underwear and Outerwear, Denim and Socks) and for the packaging, health and automotive sectors fed directly or indirectly from this sector.

Textured yarns are similar to natural fibers such as cotton, wool and linen with their appearance and properties, and are also used

to give the final product superior properties. POY, on the other hand, has a semi-structured, unbending and unbending structure and the product is made to be drawn and curved by texturing. The resulting textured yarn has a softer, more flexible and higher heat retention ability compared to plain yarn. SASA offers consumers semi-matte ecru and black yarns with excellent dyeing and color persistence. Depending on consumer demand, our product range includes low-medium-strength spun yarns and folded yarns (x2, x3, x4).

SASA, which has adopted the understanding of customer satisfaction-oriented production, tests the yarns it produces in its own laboratory (Tensile, Strength, Color, Punto and Denier, etc.).



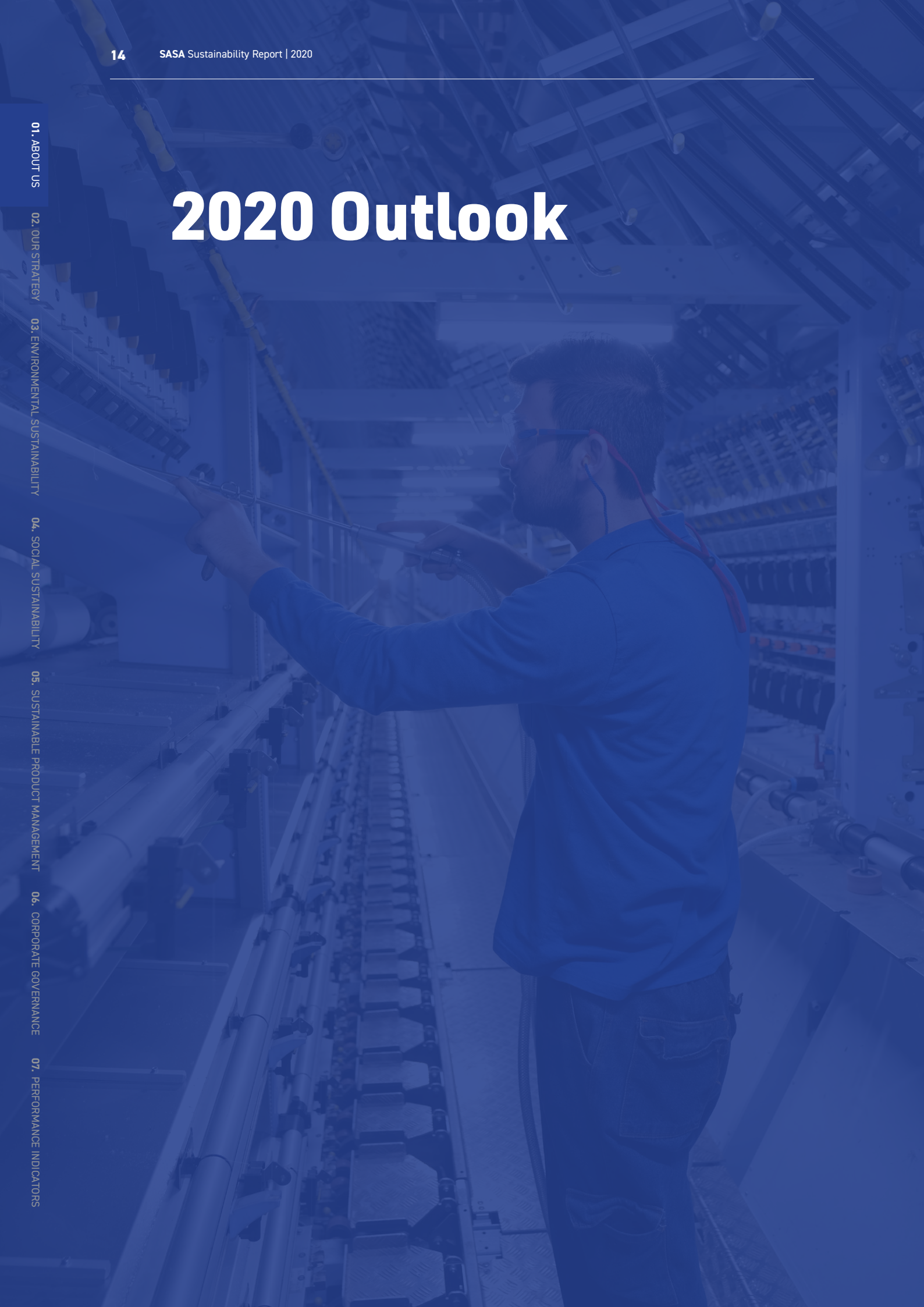
Textured Yarn



POY



2020 Outlook



Sectoral View

Although 70 percent of the world's polyester discontinuous fiber production took place in the People's Republic of China, Turkey continued to be one of the leading countries that led the increase in the world's polyester production values despite the decreases in 2020 thanks to our company.

Turkey's production, which was 545,000 tons in 2019, increased to 566,000 tons in 2020. Despite all the recessions, restrictions and crises experienced with the pandemic, the capacity, which was 102 million tons/year in 2019, reached 106 million tons/year.

Production, which has come to a standstill from time to time with COVID-19 measures, decreased from 86 million tons in 2019 to 81 million tons in 2020; polyester has become to support life again with its place and need in life.

Our production capacity, which was 700,000 tons/year at the end of 2019, reached 1.365.000 tons/year with the investments of PET Plant (Bottle Chips) completed in September 2020 with the Poy and Texturized Yarn Production Plant completed in July 2020.

Thanks to our investments in 2020, Turkey's capacity exceeded 2% of the world's capacity. Although 2020 World Polyester production has been adversely affected by the measures taken globally and regionally, the process continues to be managed in the most efficient and uninterrupted way thanks to the high-level measures taken by our company, product range diversity and technological infrastructure.

Our Production Activities

In 2020, as in the last year, significant efficiency-enhancing opportunities were created by the improvements in our production processes and the production of projects that will prevent the formation of maximum levels of waste by establishing our waste management system on zero waste and ensure the recycling and reuse of wastes.

We carry out our successful activities such as ISO 9001 Quality Management Systems and Process Management, ISO 50001 Energy Management System, ISO 14001 Environmental Management System, ISO 45001 Occupational Health and Safety, ISO 31000 Corporate Risk Management Systems, 5S, PSRM and TPM intensively by adding our continuous innovation philosophy with our internal and external education activity this year.

Main Financial Indicators (Million TL)

Main Financial Indicators	2020	2019	Change (ton)	Change (%)
Polyester Fiber	343.379	211.865	131.514	62%
Polyester Chips	255.249	169.676	85.573	50%
Dmt	194.897	215.457	-20.560	-10%
POY	128.131	24.989	103.142	413%
Polyester Yarn	76.446	11.555	64.891	562%

The comparisons for the production quantities in our main product groups for 2019-2020 are summarized in the table below.

Our Investment and R&D Activities

Within the scope of the Law No. 5746 on Supporting Research, Development and Design Activities, our company has the R&D center certificate issued by the Turkish Ministry of Industry and Technology and carries out R&D activities within the scope of the relevant laws and regulations. The investment and R&D activities we have carried out this year are as follows:

- Investment and R&D Activities Poy and Texturized Yarn Production Facility, whose investment cost announced to the public on June 12, 2017 will be approximately 350,000,000 USD and its contribution to turnover will be 450,000,000 USD, was commissioned in 2020.
- The Pet Plant (Bottle Chips), which was announced to the public on June 21, 2017 and whose investment value is estimated to be approximately 100,000,000 USD and its contribution to turnover is estimated to be 250,000,000 USD, was commissioned in September 2020.
- In support of the Petrochemical investment planned to be made in the Yumurtalık region of Adana province, a license and technical service agreement was signed between American

Invista (Koch Industries) within the scope of PTA Production Facility Investment with an investment value of approximately USD 935,000,000 and a capacity of 1,500,000 tons/year. In addition, a goodwill agreement covering Engineering, Purchasing and Assembly services has been signed between our company and Tecnicas Reunidas for the establishment of the facility as turnkey.

OUR OTHER RELATED ACTIVITIES:

Capacity: The polymerization capacity utilization rate of our company was 71% in 2020.

Shares: As of December 31, 2020, the stock price of our company was TL 20.22 and there was an increase of 262% compared to the year-end price of 2019 (TL 7.73).

Main Financial Indicators (Million TL)

	2020	2019	2018
Net Sales	5.041	2.764	2.179
Gross Profit	1.088	315	475
Operating Profit/Loss	1.023	246	551
EBITDA	1.214	290	563
Net Profit/Loss	312	1.064	597
EBITDA Margin (%)	24	10	26
Net Profit Margin (%)	6	38	27

Our main financial indicators are given comparatively on the basis of 2018-2019-2020.

For more detailed information about the 2020 sectoral outlook and all our annual activities, [2020 ANNUAL REPORT](#)

Our Business Partners & Memberships



Türkiye Tekstil Sanayii
İşverenleri Sendikası



BORSA
İSTANBUL

02

OUR STRATEGY

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Our Vision

As the first and largest polyester-polymer manufacturer in Turkey and the leader of the Europe, Middle East and Africa region, SASA aims to become one of the leading players on a global scale.

Our Vision:

- Ensuring sustainable growth
- Creating value for our employees, suppliers, customers, shareholders and society
- To share this value fairly with all our stakeholders in line with corporate and social responsibility principles
- Innovation is constantly improving ourselves by preserving the spirit.

We accept all living and inanimate natural beings as a respectable whole, without forgetting that we have a responsibility to leave a green and clean world to future generations while meeting the needs of society today.

Our Values

The guiding core values adopted by SASA, which adopts the principle of working in accordance with local and global ethical values, are as follows:

- Non-discrimination against, ethnicity, language, religion, opinion, gender
- To respect fundamental human rights, children's rights, animal rights and not to engage with parties known to violate these rights
- To serve the society with the awareness of corporate citizenship

Our Mission

Our mission is to become a global manufacturer of polyester, polymer and petrochemical products, thus making Turkey one of the world's top three largest polyester producers.

- To monitor environmental sustainability in all fields of activity and to increase the environmental responsibility awareness of its stakeholders
- To use environmentally friendly technologies, supporting their development and dissemination
- To create the highest value for employees, suppliers, customers, shareholders and society
- To act with the highest safety standards

Materiality Analysis

As SASA Polyester A.Ş., we work to create value for the world in the sectors we operate in, including polyester, fiber, filament yarn, polyester-based polymers, special polymers and intermediate products. As part of our Corporate Sustainability strategy, we aim to understand our stakeholders' values and meet their expectations within the scope of sustainability through Materiality Assessments involving our stakeholder groups. We evaluate our material issues as a result of the analysis of trends affecting the United Nations Sustainable Development Goals, the European Green Deal, the ESG Performance Rating Institutions and the sectors in which we operate.

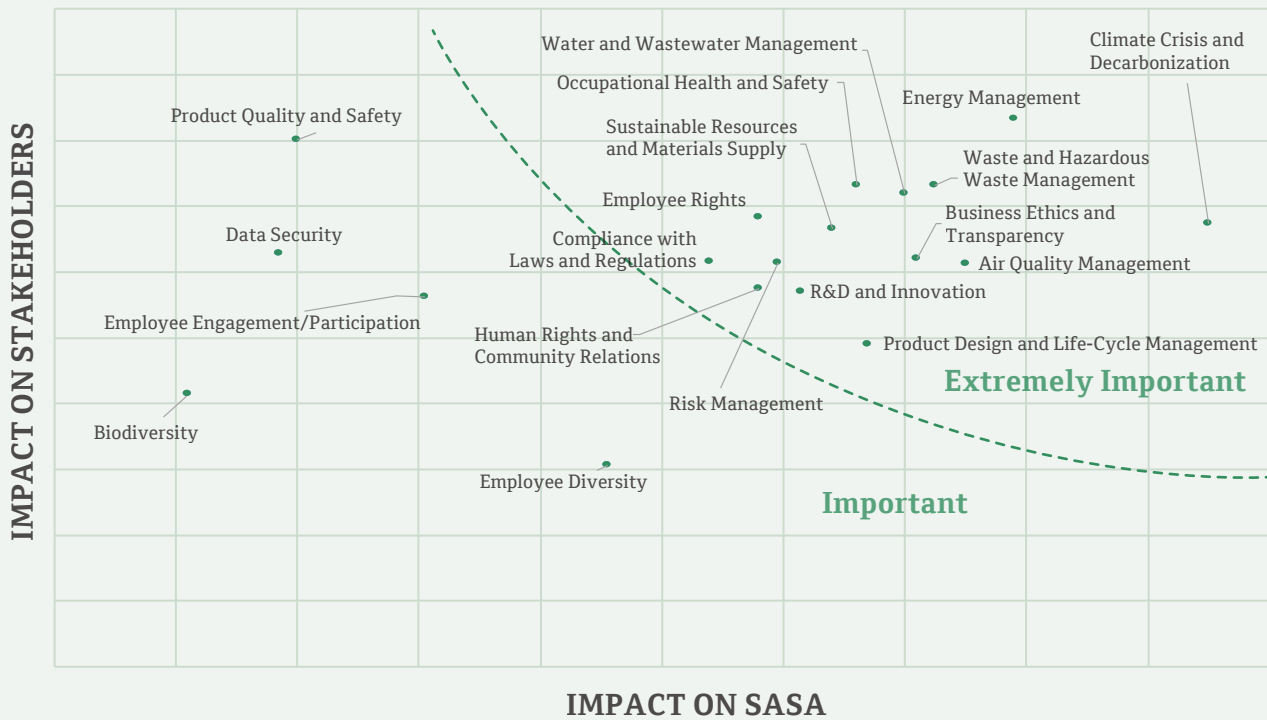
In our materiality analysis, we first evaluated the material issues affecting the sectors in which we

operate, taking into account the sectoral materialities of the United Nations Sustainable Development Goals, global and local trends and sustainability indices.

We have identified our stakeholders as employees, customers, suppliers, business partners, investors and shareholders. In order to ensure fair participation, we received the opinions of our employees from all departments anonymously by conducting a survey. Like we do in our business, we included the opinions of our stakeholders in determining our sustainability strategy.

As SASA, we have determined our materialities by evaluating the material subjects of sectoral and global trends and sustainability indices within the framework of our company dynamics.

Issue List	Obtaining Stakeholder Insights	Determining Material Subjects of SASA	Materiality Matrix
- Sustainability Indices' Highlights - Global and local trends - Sector-specific materialities	- Stakeholder mapping - Preparing scope and questions of Stakeholder Insight Survey - Conducting the survey - Analysis of results	Determining the priorities of SASA as a result of the analysis of global trends and sustainability indices	Mapping of Stakeholder Insights and SASA priorities on the matrix



As a result of the evaluations and stakeholder participation, we have created the SASA materiality matrix covering material issues. The effect of priority issues on stakeholders on the Y axis of the materiality matrix and on SASA on the X axis is shown.

We benefited from the results of the materiality analysis in determining our sustainability goals and in the process of developing our sustainability strategy. In the materiality matrix, while we are developing SASA's Corporate Sustainability Strategy we considered Extremely Important and Important Material Issues as a major factor.

IMPORTANT ISSUES

- Product Quality and Safety
- Employee Engagement/Participation
- Employee Diversity
- Data Security
- Biodiversity

EXTREMELY IMPORTANT ISSUES

- Energy Management
- Climate Crisis and Decarbonization
- Waste and Hazardous Waste Management
- Water and Wastewater Management
- Air Quality Management
- Occupational Health and Safety
- Business Ethics and Transparency
- Product Design and Life-Cycle Management
- Sustainable Resources and Materials Supply
- R&D and Innovation
- Employee Rights
- Risk Management
- Human Rights and Community Relations
- Compliance with Laws and Regulations

Our Sustainability Strategy

In line with the increasing world population and demands, we adopt a sustainable development approach in accordance with ISO 9001, ISO 50001, ISO 45001, ISO 14001 and ISO 27001 standards, which do not neglect future generations and meet today's needs, and investigate conscious consumption methods and alternative sources in order to maintain the existence of natural resources.

We are aware of our responsibility to the UN Sustainable Development Goals to tackle global issues such as climate change, poverty, hunger, inequalities, water scarcity and biodiversity loss. We aim to increase living standards and welfare by expanding our investments, and we prioritize promoting sustainable development while carrying out our work and decision-making processes.

We update our sustainability policy and other policies related to goals every year in line with our strategy. In this way, we aim to increase living standards and welfare by expanding our investments, and we prioritize promoting sustainable development while carrying out our work and decision-making processes. Our sustainability policy is fully integrated with our mission, vision and strategy.

In our Sustainability Report, by using Key Performance Indicators (KPIs), we evaluate the positive and negative trends of the results of our activities that we are responsible for in our sphere of influence through internal and external audits and take remedial actions; develops studies that will improve our impact in our neighboring regions in order to have a positive social, environmental and economic impact, and adopts national and international standards (eg. IFC).

To carry out business activities efficiently from an environmental, social and managerial point of view, we engage:

- To take into account human and labour rights, social justice, work ethic, diversity of workforce, gender and equal opportunities, risk management, loyalty and cooperation with stakeholders, legal compliance; anti-corruption, bribery, mobbing, discrimination and child labour prevention measures;
- To create the necessary resources and arrangements to integrate the sustainability values that support the circular economy into both our own work and our suppliers in our value chain, with low ecological footprint for the planet, struggling with climate change, using resources efficiently, saving water, prioritizing efficient and reliable energy technologies;
- In this respect, we are committed to reviewing our sustainability policy at regular intervals and keeping it up to date by consulting the relevant departments.
- All our employees are obliged to implement and adopt our sustainability commitments in cooperation.

Our Sustainability Strategy comprises 8 of 17 United Nations Sustainable Development Goals which are also related to our company's operations. Our goal is to expand our sustainability strategy in the coming years to cover all 17 goals.



In 2019, we were evaluated by Ecovadis with a "Silver" degree, and we aim to gain higher degrees in the coming years in line with our corporate transformation studies on sustainability.

Our Primary Sustainable Development Goals

	Related SDG or Target	Our Material Issue
 5 GENDER EQUALITY	SDG 5: Achieve gender equality and empower all women and girls	» Employee Diversity
 6 CLEAN WATER AND SANITATION	SDG 6: Ensure availability and sustainable management of water and sanitation for all	» Water and Wastewater Management
 7 AFFORDABLE AND CLEAN ENERGY	SDG 7.2: By 2030, increase substantially the share of renewable energy in the global energy mix	» Energy Management
 8 DECENT WORK AND ECONOMIC GROWTH	SDG 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all	» Human Rights and Community Relations » Employee Rights » Employee Engagement/Participation
 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	SDG 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	» Occupational Health and Safety » R&D and Innovation
 12 RESPONSIBLE CONSUMPTION AND PRODUCTION	SDG 12: Ensure sustainable consumption and production patterns	» Waste and Hazardous Waste Management » Product Quality and Safety » Product Design and Life-Cycle Management » Sustainable Resources and Materials Supply
 13 CLIMATE ACTION	SDG 13: Take urgent action to combat climate change and its impacts	» Climate Crisis and Decarbonization » Air Quality Management
 16 PEACE, JUSTICE AND STRONG INSTITUTIONS	SDG 16.5: Substantially reduce corruption and bribery in all their forms SDG 16.6: Develop effective, inclusive, participatory and representative decision-making at all levels	» Business Ethics and Transparency » Risk Management » Compliance with Laws and Regulations

*Extremely Important

**Important

03

ENVIRONMENTAL SUSTAINABILITY

Our Environmental Management Policy

As an integrated polyester and chemicals manufacturer serving the world, we base our mission, vision and values on the principle of sustainability and carry out our activities with the awareness of our environmental responsibilities. With this awareness, we aim to have a say in the global market with high-level investments and sustainable economic growth, and we work in accordance with international environmental management standards.

- To comply with other relevant national and international conditions beyond the current legal environmental legislation, to constantly review and improve our environmental management system in accordance with ISO 14001 requirements, to report our environmental impacts annually within the scope of our sustainability efforts.
- Defining and evaluating the effects of all environmental dimensions with a lifecycle approach, improving environmental risks by eliminating them, reducing them to an acceptable level, preventing pollution to achieve the determined goals and targets, protecting the environment and natural resources.
- To carry out the necessary studies on the efficient use of natural resources, reduction of carbon dioxide emission amount and emission intensity within the scope of combating climate change, to follow up by determining the objectives and targets for this purpose, to review the changes and to increase the studies on the use of renewable energy sources and energy efficiency in this direction.
- To reduce our consumption by adopting sustainable, efficient and economical use of resource consumption such as water, energy, raw materials and chemicals during our activities and to adopt clean production technologies and best available techniques that will prevent, reduce, recycle and re-use waste generation arising from our activities within the framework of cyclical economy, to ensure the recovery of wastewater as much as possible, to minimize all kinds of emissions, greenhouse gas emissions and their effects on the environment.
- To ensure high energy efficiency, minimum environmental impact and sustainable product and service procurement, supporting designs for energy performance and continuous improvement in all our processes.
- To fulfill our environmental responsibilities within the framework of the needs and expectations of all our employees and stakeholders by treating our employees, customers, government institutions, suppliers, shareholders and society with respect, to regularly prepare and transparently share our environmental reports, to monitor and continuously improve our environmental performance, to increase their awareness of the environment, and to carry out necessary information, training, etc. activities by providing all kinds of communication and cooperation with the relevant parties in order to improve their level of awareness.
- We are committed to meeting and maintaining the requirements of environmental and social conditions in our new investment sites and businesses, taking into account IFC's Performance Standards.



Our Environmental Management System

In our production facilities with ISO 14001 Environmental Management System Certificate, (APPENDIX-1) we evaluate the environmental effects of our existing and new investments with a life cycle approach and prioritize pollution prevention, environmental and natural resources protection. While our facility continues its activities with the "Environmental Permit and License Certificate" and "Environmental Management Unit" approved by the Ministry of Environment and Urbanization, our Environmental Management Unit carefully manages our declaration and reporting obligations in environmental processes with the follow-up and implementation of legal processes.

Within the scope of environmental management systems, we continue our work with the principle of determining new targets for the evaluation and continuous improvement of the effects that occur in the

period until the first processing and waste disposal of raw materials, direct and indirect carbon emissions, energy and water consumption, recycling, recovery and final disposal with EIA, ESIA reports and third party independent environmental audits and drills.

Our facility has "Environmental Impact Assessment" reports within the scope of local legislation and "Environmental and Social Impact Assessment" reports within the scope of international legislation in all its investments. In our new investments, Environmental and Social Management Plans of our investments have been prepared considering both national environmental legislation and IFC Environmental Social and Safety Guidelines. In addition, our facility has successfully completed the audits carried out by third party auditors in this context.



*EIA: Environmental Impact Assessment

**ESIA: Environmental and Social Impact Assessment

Subgroups within the Scope of Our Environmental Management System

Emergency Management System: As SASA, in order to ensure the requirement of "Communiqué on Internal Emergency Plans to be Applied in Major Industrial Accidents"; we include all kinds of measures, monitoring and sampling activities to be taken in order to prevent and reduce the effects of possible accidents on the environment in our facilities, lessons learned from intervention activities within the scope of accident investigation, intervention organization including the rehabilitation of areas contaminated after the accident, internal emergency management center required for the management of resources and intervention operations, command structure, command vehicles, resources and methods related to the determination of other necessary personnel.

Management of Chemical Spills: In the event of any spillage during the use, transport, or storage of chemical substances in the production activities, the program we follow is as follows:

✓	Hazards and risks are identified
✓	With personal protective equipment, spillage is limited, precautions are taken in the environment
✓	The spillage is cut from the source
✓	Areas to be cleaned are determined, a cleaning plan is created
✓	Treatment and personal cleaning are done.
✓	Incident is recorded and reported

Our management plans that we implement within the scope of our Environmental Management System during the implementation of our activities:

- Biodiversity
- Waste and Wastewater
- Top Soil
- Air Quality
- Environmental Emergency
- Hazardous Material
- Water Resources
- Training

Climate and Energy Management

Our Energy Policy

In all our processes, we aim to ensure the sustainable, efficient and economical use of energy resources, to ensure the purchase of energy-efficient equipment, products and services, to support designs for energy performance and to continuously improve them.

Our Environmental Management System

It defines the principles for the creation, monitoring and continuous improvement of the conditions that will ensure the most efficient use of the main energy dimensions (natural gas, water vapor, electricity) required in terms of the continuity of the production processes.

Our ISO 50001 certified Energy management system (APPENDIX 2)

All processes in our SASA center and Iskenderun raw material storage and shipment site,

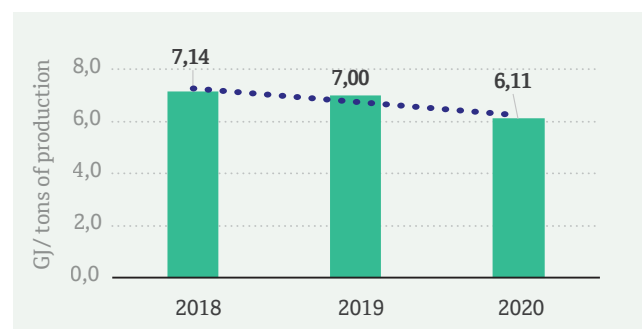
- Energy items (electricity, steam, hot oil, nitrogen, compressed air, water) used in SASA's main production process (DMT, Polymerization, PET Chips, Fiber, Yarn Enterprises)
- In the production and supply activities of energy items such as steam, hot oil, nitrogen, compressed air, water
- Installation processes of generation facilities and auxiliary facilities (electricity, steam, hot oil, nitrogen, compressed air, water, etc.) established within the investment process of SASA,
- In addition, wastewater treatment, environment, Iskenderun raw material storage and shipment, in the activities carried out by supply and maintenance groups

It is aimed to follow a systematic approach to continuous improvement of energy performance, including energy efficiency, energy use and consumption.

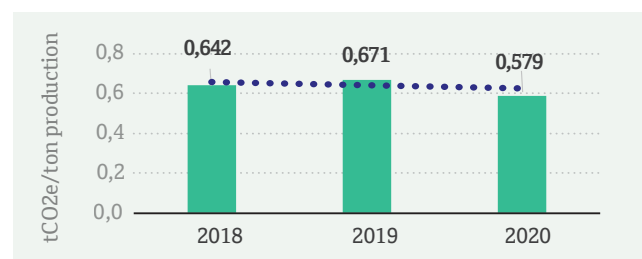
Our new investment “Poy and Textured Yarn Production Facility” was commissioned in 2020, and with our increased production, our energy consumption and the total amount of greenhouse gases emitted as a result increased. However, thanks to our effective energy management and energy efficiency practices, our energy and greenhouse gas intensity values have tended to decrease in the transition from 2018 to 2020, as seen in the graphs, despite the increase in our energy consumption and the total amount of greenhouse gas released due to our increasing production. With our new PTA investment project to be launched in 2023, we expect our energy intensity to decrease to even lower levels.

On the other hand, we are committed to setting a greenhouse gas reduction target for SBTi, a Science Based Targets Initiative within the next 2 years. We have started our work on target setting and developing a roadmap to reduce our greenhouse gas emissions.

Energy Intensity



Greenhouse Gas Intensity (Scope 1 & 2)



Our energy management committee prepares and publishes the "SASA Energy and Utility Map" on a monthly and annual basis. While this map is reviewed on an annual basis, the following criteria are evaluated and analyzed;

1. Available energy resources,
2. Current and past energy use and consumption
3. Energy performance indicators
4. The energy reference point is reviewed at the beginning of each year and if there is a significant change in the process/energy system.

Based on these analyses, our committee identifies the important areas of energy use emerging in the "SASA Energy Map".

In order to predict the future energy usage areas and energy consumption of the company and to make plans for this, the installed power and/or other energy consumption of the enterprise, if any, are evaluated in parallel with the production plan.

Setting Our Energy Targets

In setting our company goals, we follow these steps:

1. Energy indicator data for the past 5-10 years (long-term) are examined.
2. The past 2 years (short term) energy indicator data are examined and compared with the 5-10 years data.
3. Opportunities/points of opportunity for improvement are determined accordingly.
4. It is checked whether these determinations are in line with the operating budget targets of the following year.
5. New targets are determined for the determinations in harmony.
6. The targets deemed appropriate are published and followed in the new period.

Planning Energy Efficiency Projects

Our energy management committee determines electricity, water vapor and natural gas improvement projects, which are our main energy inputs, in line with SASA's annual targets, by considering the energy map. It determines energy performance indicators based on production tonnage. Energy reference point comparison analyzes, process conditions in the new year, improvement projects are foreseen in the budget studies of the new year and targets are determined by the senior management. In line with the targets set by our senior management, the Energy Management Committee establishes annual action plans in the first quarter of the year.

Our Investment Studies

We aim to purchase efficient facilities with the latest technology by carrying out all energy-oriented works in the design and purchase phase of the production facilities and auxiliary facilities aimed to be established in the investment processes. While purchasing relevant facilities and equipment, all costs such as equipment energy efficiency, annual consumption expenses, maintenance costs etc. are calculated and decisions are made by making total cost comparisons throughout the life of the equipment.

Emissions Management

Emissions are monitored online in 5 of the emission sources in our facility, and there are Continuous Emission Measurement Systems (CEMS) at these points. It provides instant data transfer to the Ministry of Environment and Urbanization through CEMS about CO, NO_x, SO_x, VOC and dust emissions from our chimneys. In addition, the cumulative effects are taken into consideration by modeling the air quality for the emissions of our facility.

Within the scope of the Regulation on Monitoring of Greenhouse Gas Emissions, greenhouse gas emission calculation is made in the activities of burning fuels and production of large volume organic chemicals and thus emission control is provided. Our greenhouse gas emission report is approved by TÜRKAK accredited verifiers and submitted to the Ministry of Environment and Urbanization. In addition, we start to calculate and report our greenhouse gas emissions according to ISO 14064-1 2018 Standard in order to determine them on the basis of all categories and to integrate

them into our management systems as of 2020. Similarly, you can find the verification statement for your greenhouse gas emission report, which is audited by independent verifiers, in the appendix of the sustainability report. **APPENDIX 3**

2020 GHG Emission Values (tCO₂e)

Scope 1	391,640.75
Scope 2	215,606.52
Scope 3	655,21
Total	607,902.5

Air emissions (ton)

Emission Type	2017	2019
SO _x	11,7	490
NO _x	220,8	747,3
Particulate	52,5	32,4
VOC	4,5	2,1

**Flue gas emission measurements is conducted every 2 years in accordance with the regulations of the Ministry of Environment, Urbanization and Climate Change.*

***The mass flow rate values (kg/h) of the emission measurement results from each emission source in the facility, SO₂, NO₂, VOC and particulate quantity have been converted to tons, assuming that it works all day throughout the year. The data reflect the facility value, which is the sum of all emission sources.*

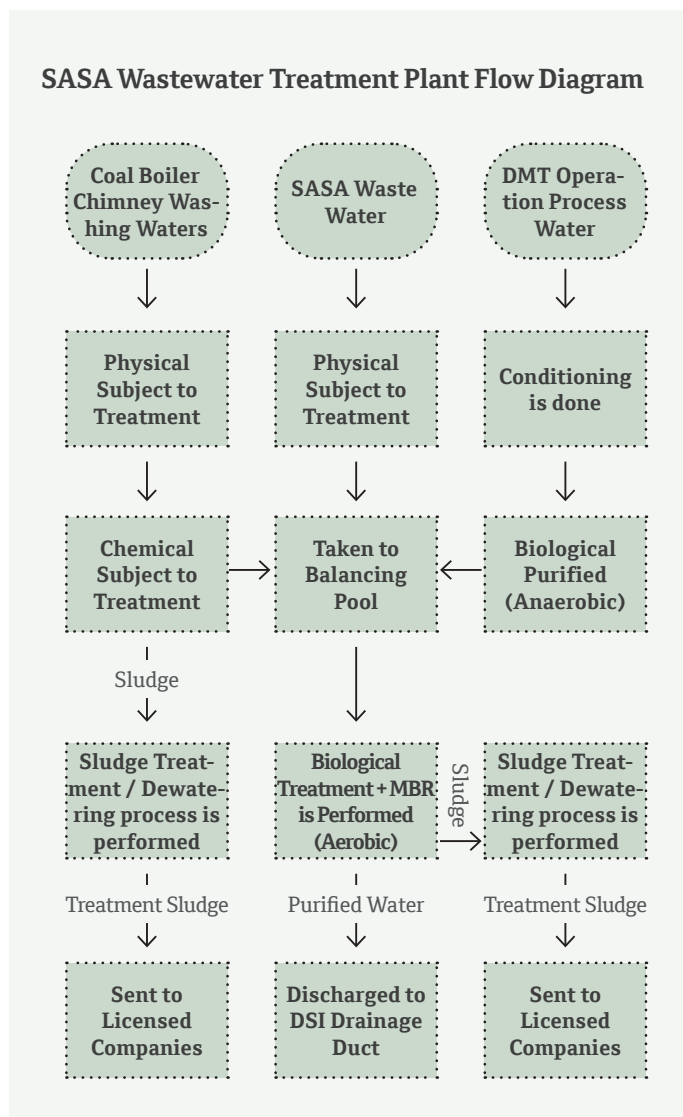
Water Management

Our facility has a wastewater treatment plant where industrial wastewater, process washing water and domestic wastewater arising from production processes are treated. Firstly, in the wastewater treatment plant established in 1998, capacity treatment was carried out in 2011 and 2019 and additional units were added to the plant. Physical, biological, chemical and advanced treatment processes are used in our facility which has "Wastewater Treatment Plant Identification Certificate". In addition, both anaerobic and aerobic treatment methods are applied in our biological treatment system. Apart from the inspections carried out by the Ministry, sample analyses are carried out on a daily basis in the environmental laboratory within our wastewater treatment facility and the plant performance is continuously monitored.

For a sustainable environment, water of quality in accordance with both the discharge limits and international legislation and standards that we are subject to in the Water Pollution Control Regulation is discharged to the receiving environment. The output water quality we discharge is monitored by the Ministry with the Continuous Waste Monitoring System (CWMS). Suspended Solid Substance, Conductivity, Dissolved Oxygen, pH and Chemical Oxygen Requirement parameters of the discharge water are monitored online via CWMS.

For the purpose of Energy Recovery from Waste, biogas generated in the anaerobic treatment process is burned and high pressure steam is produced and used in the enterprises within the factory. We aim to reduce the greenhouse gas effect and reduce our carbon footprint by preventing the release of methane gas into the atmosphere.

Feasibility and engineering studies have been completed for our new wastewater treatment plant to be commissioned in 2023 within the scope of PTA Production Plant Project. The water treated in our new wastewater treatment plant will be recovered using advanced treatment technologies and the water obtained will be reused in the processes.



Our 2020 water use values are as shown in the table:

Total amount of water used (Supplied from wells)	4.423.154 m ³ /year
Amount of wastewater treated	1.359.069 m ³ /year
Bluff +Reverse Osmosis water	Approximately 1.000.000 m ³ /year
Evaporated water in cooling towers and businesses	Approximately 2.000.000 m ³ /year

Waste Management

Considering the product life cycle in our processes, first of all, policies of reducing, decomposing and reusing the waste produced in our facility are implemented. Our first goal is to prevent waste formation, under conditions where it is not possible to reduce the amount of waste produced to zero, all wastes are collected separately at the source according to their types and reuse, recycling and recycling techniques are used, respectively. SASA has "Zero Waste Certificate" within the scope of Zero Waste Project. (APPENDIX-4) With the agreements we make with licensed recycling and disposal facilities, we manage our wastes with the correct waste codes in accordance with the legislation. Wastes are stored in our Temporary Hazardous and Non-Hazardous Waste Sites permitted by the Ministry of Environment, Urbanization and Climate Change and approximately 100% of the wastes are recycled in SASA or recycling facilities. The most recently applied waste management method is the disposal of wastes to landfill sites. Our process wastes are incinerated in our permitted incineration plant to recover energy and reduce the use of fossil fuels. In addition, food wastes from SASA's dining halls are sent to feeding points for street animals. EIA*, ESIA** reports and third-party independent audits of our investments are successfully completed. In summary, the direct and indirect effects that occur between the initial processing of the raw material and the final disposal of the wastes are evaluated and improved in detail.

Amount of Waste Produced (tons)

	2018	2019	2020
Hazardous wastes	3,551	1,784	1,459
Non-hazardous wastes	6,627	6,991	24,205
Total	10,178	8,775	25,664

Industrial and domestic wastes coming out of our facility are collected in temporary waste landfill sites authorized by the Provincial Directorate of Environment and Urbanization and transmitted to licensed facilities. In the management of these processes, 1 business expert and 5 operators are involved.

One of the issues in our environmental permit and license certificate is the co-incineration activity. In our co-incineration plant, energy is obtained from process wastes with energy recovery technology. Thus, we also reduce the use of fossil fuels.

We train our employees on "Zero Waste" and increase the effectiveness of our waste management system, which is an important part of our environmental management system, by increasing the awareness of our employees.

Although our new investments, which started to operate in 2019, caused an increase in our production volume, parallel to this, higher energy and water consumption, this increase remained lower compared to our production amounts, and as in our energy and emission intensity values, our hazardous waste footprint and water footprint values decreased. **SEE: OUR FOOTPRINTS IN NATURE**

*EIA: Environmental Impact Assessment

**ESIA: Environmental and Social Impact Assessment

HAZARDOUS WASTE MANAGEMENT

In accordance with our Hazardous Waste Management system, wastes that are properly packaged and labeled are sent to the hazardous waste site every day on weekdays. Wastes that do not comply with the procedure are returned to the waste producer before being accepted to the site. The hazardous waste site operator accepts the waste to be temporarily stored in the compartment in accordance with the waste code determined by the environmental unit, if appropriate.

DISPOSAL OF HAZARDOUS WASTES OUTSIDE THE FACILITY

Hazardous wastes are sent to licensed facilities suitable for the type of waste within a maximum of 180 days after they are accepted to the site in accordance with the legal legislation. The vehicle and the driver who will carry out the transportation must also be licensed.

Our Footprints on Nature

We measure our water footprint, waste water footprint, hazardous waste footprint that constitute our ecological footprint every year, set annual targets to reduce our footprints, and follow our development.

Our calculation method:

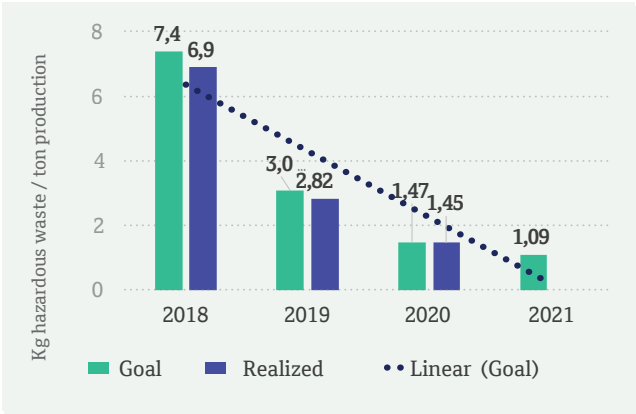
Wastewater footprint: Ratio of the wastewater value treated during the activity year to the production amount in that year

Water footprint: Ratio of raw water value with-drawn from the well during the activity year to the production amount in that year

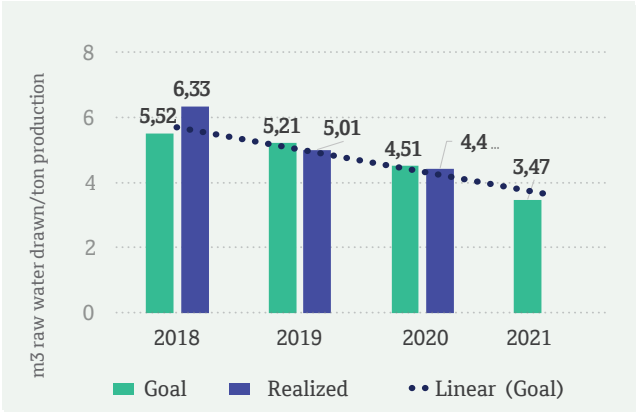
Hazardous waste footprint: Ratio of the amount of hazardous waste with no financial value during the activity year to the amount of production in that year

Every year, we drive up our motivation by setting aggressive goals to reduce our environmental impacts and carry out our work at a more advanced level in line with our primary sustainable development goals. With this motivation, we achieve our goals by rapidly implementing our projects to improve the efficiency of our processes and use resources efficiently. In the next 2 years, we aim to set medium and long-term targets for our performance indicators.

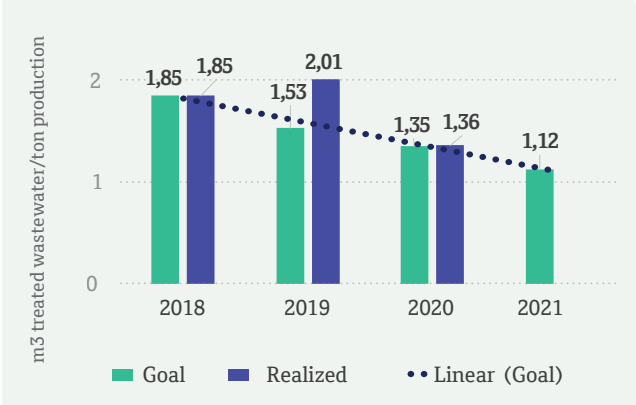
Hazardous Waste Footprint



Water Footprint



Waste Water Footprint



Our Productivity Enhancing & Environmentally Friendly Projects

Our New PTA Investment Project

In order to establish a new PTA (Purified Terephthalic Acid) factory in Adana, he signed an agreement with INVISTA, the licensor company. The project in question is part of a very ambitious investment program that SASA will carry out in the petrochemical sector in Turkey.

This investment by SASA will be the first PTA facility to be built in Turkey and will help reduce the deficit and imports of the country in this very important raw material. Within the scope of the said project, 1.580.000 tons of PTA will be produced annually by using paraxylene and acetic acid as raw materials.

During PTA production processes, wastewater with high organic pollution comes out of main sources such as oxidation and purification processes.

SASA has chosen Veolia Water Technologies (VWT), one of the largest companies operating in the environmental sector worldwide, in the treatment of these wastewater from production.

Within the scope of the treatment technologies proposed by VWT Turkey, wastewater containing high amounts of COD arising from PTA production and DMT (Dimethyl terephthalate) production will be treated separately in Biobed EGSB (Extended Granular Sludge Bed), which is a VWT patented anaerobic treatment process. This process, which is used to treat these wastewaters containing a high amount of organic matter such as aromatic compounds in PTA and DMT production wastewaters, was developed by the VWT company Biothane.

The total amount of biogas expected to be produced in the said PTA and DMT anaerobic treatment plant is approximately 29,500 Nm³/day for the PTA anaerobic treatment plant and approximately 10,990 Nm³/day for the DMT anaerobic treatment plant.

Within the scope of the investment, a Wastewater Treatment Plant is foreseen for the treatment of wastewater arising from polyester production. This wastewater treatment plant will also treat anaerobically treated PTA and DMT wastewater in Biobed EGSB reactors together with wastewater from polyester production with advanced biological treatment methods. For this wastewater treatment plant, the MBBR (Moving Bed Biofilm Reactor) process developed by Veolia Water Technologies company AnoxKaldnes will be used.

In addition, the wastewater treatment plant includes a further treatment system for treating these wastewaters resulting from production and containing organic pollution, as well as blowdown waters of cooling towers to meet the requirements of the local regulations required for discharge. Thanks to MBBR Technology, which has a smaller footprint than other biological treatment systems, these anaerobic and biological wastewater treatment plants could be placed in the area reserved for treatment.

Our Primary Sustainable Development Goals



Our New PTA Investment Project

One of the most important advantages of the facility is that the unit cubic meter wastewater operation cost is low and it can easily adapt to the changes that may occur in the pollution parameters.

Thanks to the fact that the need for maintenance and spare parts is much lower than conventional systems, it will be possible to increase the competitiveness of SASA on the basis of final product costs in the domestic and foreign market by reducing the operating costs.

The Wastewater Treatment Plant will include a Wastewater Recovery Plant where the treated wastewater will be treated with innovative and advanced treatment technologies in the later stages of the project. The Wastewater Recovery Unit, where the water treated in the Wastewater Treatment Plant will be re-treated with advanced treatment technologies, will minimize the amount of water supplied from the wells by producing the high quality utility water needed for use in cooling towers and thus contribute to the protection of clean water resources. With this system, water is recovered by 60% and annual water saving of 7.884.000 m3 is planned.

Thanks to the smart control systems to be installed within the scope of Industry 4.0, the energy consumption of the Blower units that consume the most energy in Wastewater Treatment Plants will be removed from the control of the operator and optimized thanks to artificial intelligence, thus saving energy in the range of 1200 - 2200 MWh per year.

Biological Wastewater Treatment Plants to be constructed within the scope of this project will be;

- First Anaerobic Wastewater Treatment Plant of PTA Production Facilities
- Largest industrial MBBR Wastewater Treatment Plant
- The first facility to save energy and chemicals by controlling Industry 4.0 with artificial intelligence
- A 45.600 m3/day Anaerobic Treatment Plant with the largest capacity and a facility that produces process water in the quality of drinking water from treated wastewater in Turkey.

In the administrative building of the facility to be established, rainwater will be collected with a system and reused for garden maintenance and cleaning in an appropriate area.

A total electricity consumption of 48 MW is foreseen in the detailed engineering works carried out for the PTA facility. 45 MW of this consumption shall be provided with electrical energy to be generated from OFF GAS recycling within the facility and considering the changes in seasons, it is foreseen that the facility shall have an electrical import/export profile between +3 MW and -10MW.

Our Primary Sustainable Development Goals



Our Other Environmental Projects

Subject	Project	Our Primary Sustainable Development Goals	
Energy Efficiency	Project to Improve Efficiency in Incineration Boilers In our CP 8, 9 and 10 plants, the maximum combustion air inlet temperature was reached by optimizing the settings of the bypass flap between the combustion air coming out of the recuperator and the atmospheric air sucked from the environment. Thus, combustion efficiency was increased and annual energy savings of 5 317 GJ were achieved.		
	Environmental Lighting Improvement Project The 125 mercury vapor armatures we used in lighting were replaced with led technology, which is more efficient and environmentally friendly products. In this way, 195 GJ energy saving was achieved with a power difference of 12,375 kW.		
Raw Material Efficiency	MEG (mono ethylene glycol), which is separated as a by-product in our processes, is transferred to the raw material mix tank again and resource efficiency is ensured by using it as a raw material in PET synthesis.		
	In our new PTA facility, 99% material recovery will be provided through the catalyst recovery unit where we will recycle our catalysts (cobalt and manganese) and the R2R unit where we will recycle benzoic acid.		
Clean Production Applications	We have Hypox washing systems installed for all businesses, especially in new businesses. With this method, the polymeric parts we call package and layer are no longer cleaned with a chemical, but with a more environmentally friendly method at high temperature with steam and hot oxygen.		
	In our new plants (CP8-9 and 10 Polymer), the gas formed in the process is separated by the off-gas system with the less volatile organics of the system with stripper column without being released into the atmosphere and transmitted in the closed system to be burned in the boilers. The excess water discharged from the system to the same column is also fed by showering and the water is discharged without organic matter. In this way, while the less volatile organics in the off-gas are burning in the boiler, the pollution load in the waste water is reduced.		
Protection of Biodiversity	Afforestation Project Within the scope of the general greening project, nearly 1,000 trees were planted within the company during the year.		



04 SOCIAL SUSTAINABILITY

01. ABOUT US

02. OUR STRATEGY

03. ENVIRONMENTAL SUSTAINABILITY

04. SOCIAL SUSTAINABILITY

05. SUSTAINABLE PRODUCT MANAGEMENT

06. CORPORATE GOVERNANCE

07. PERFORMANCE INDICATORS

Human Resources Management

Human Rights Management

Human rights and employee rights are one of our most important issues to be addressed in order to ensure the welfare of our employees. These rights are more important than ever in the pandemic conditions we are in. We develop policies and procedures to protect our employees and reduce inequalities, from ensuring health and safety in our facilities to ensuring justice between employees.

“We aim to maintain the highest human rights standards in our company”

We follow the international standard ISO 45001 to ensure a healthy and safe workplace for our employees. We minimize these risks by identifying the accident and disease risks that may arise from our activities.

We take a fair approach to human resources processes to ensure a safe and happy working environment for our employees. With the recruitment, we provide the necessary conditions and environment to ensure their satisfaction and development throughout this journey they started in our company.

Fair Recruitment and Termination Policy

Under no circumstances in our recruitment practices; no discrimination is made due to language, race, color, gender, political thought, belief, religion, sect, age, physical disability and similar reasons, and no child or young worker under the age of 18 is employed. Recruitments managed by our Human Resources department are made by selecting and assigning personnel who are suitable for the nature of the work within the framework of the "Recruitment and Resignation Regulation",

As in the recruitment process, the resignation process is managed fairly and systematically. The necessary legal process for the employees who decide to leave the job is carried out by Human Resources and Industrial Relations within the framework of the "Recruitment and Resignation Regulation".

Award and Recommendation System

We have a reward system to support our employees' value-adding activities and encourage them to put forward various project ideas. In this context, we reward our employees who put forward project ideas that may be the subject of process security or R&D activities for their values and commitment to us. In addition, we reward our teams according to their annual performance.

Our Award-Recommendation System Regulation deals with the principles related to the presentation of relevant employee activities and project ideas and their reward in detail.



We Stand With Our Employees

We are with our employees not only in their business lives but also on good and bad days. We provide incentives to support the family life of our employees. We share their happiness with celebration messages and special day leaves on their special days. We strive to provide our employees with the support they need not only in their good days but also in cases of death, health and occupational accidents. .

Employee Profile Diversity

In our materiality analysis, which is also a part of our employees, we set targets to increase female employment to ensure Employee Profile Diversity, which is one of the high priority issues. Thus, we aim to achieve a more equal working environment by improving the ratio of women/men in our company. Our number of women employment in 2020 is 74 and we aim to increase this figure in direct proportion to our investments. You can find more information in our Business Ethics and Human Rights Policy to ensure diversity. [CLICK FOR OUR POLICIES.](#)

Talent Management

We provide appropriate conditions for our employees to develop and train themselves in accordance with their abilities. We provide in-house talent management by positioning our employees in line with their abilities and skills. Within the framework of our Talent Management Regulation, we define the knowledge/skills/experience and competencies of our employees, provide career management and train staff for management staff from within the company.

In 2020, a total of 67,102 hours of training were given under 7 different training titles (OHS, Technical, PSRM, Personal Development, Professional Development, Administrative and ISO trainings). Thus, the number of training hours per person reached 16.68 hours.

Sustainability Trainings

We follow the developments and trends in the field of sustainability and offer the resources and trainings that will inform our relevant units further in this regard. In this context, we aim to increase the competence and knowledge power of our company in the sustainability roadmap by providing long-term trainings to our employees.

Education level of our employees (current data for 2021)

Training Level	Number of People
Primary school	79
Secondary school	134
High School	1046
Associate Degree	2018
Bachelor's	1148
Master's Degree	29
PhD	2

Ratio of training titles to all training provided

Training Title	Percentage
SHE*	21,54%
TECHNICAL	62,21%
ADMINISTRATIVE	3,76%
ISO	1,97%
PERSONAL DEVELOPMENT	0,38%
PROFESSIONAL DEVELOPMENT	7,37%
PSRM**	0,69%

*SHE: Safety-Health-Environment

**PSRM: Process Safety and Risk Management

Whistleblowing Policy

In order to achieve our Sustainable Strategic Development Goals, we ensure that all of our employees and stakeholders submit their suggestions and complaints about our company 24/7 and anonymously if they wish. In addition, wishes, suggestions and complaints can be sent to our system in Turkish and English.

We evaluate these applications by passing through our company's ethical principles and sustainable institutionalism filter and take the necessary actions regarding those that are important. Thus, we aim to reinforce the sense of belonging of all our stakeholders to our company, regardless of whether they are inside or outside the facility boundaries. No retaliation is made to any of our stakeholders for their wishes, suggestions and complaints. We carry out our Whistleblowing Policy, which we designed to increase the effectiveness and reliability of our company's internal control system.

[CLICK FOR OUR POLICIES.](#)



Occupational Health and Safety

The health and safety of all our stakeholders, especially our employees and contractors, is extremely important to us. One of our focus areas in line with Fundamental Human Rights is to create a safe and healthy working environment.

The measures to be taken in order to take the necessary precautions in all kinds of studies conducted in SASA field, to protect the employees from occupational accidents and diseases, and to reduce the loss of workforce due to occupational accidents to zero have been determined under the title of Occupational Health and Safety in our Management Systems Policy. [CLICK HERE FOR POLICIES.](#)

In addition, our company has ISO 45001 Occupational Health and Safety Management System Certificate. [APPENDIX 5](#)

We follow the "General Procedure for Occupational Health and Safety" in our applications for Occupational Health and Safety. With this procedure, we define the principles and responsibilities of Occupational Health and Safety (OHS) practices in our company together with their sub-headings.

Process Safety and Risk Management (PSRM), which has been implemented in our company since 2000, has been integrated into the Local Legislation and Security Management (SMS) elements and is a management system that includes the organizational structure, responsibilities, practices, documents, processes and resources necessary to minimize the risks and dangers of major industrial accidents.

The objectives of our PSRM Management System are:

- To prevent loss of life and property caused by process accidents
- Ensuring the continuity of the business (production)

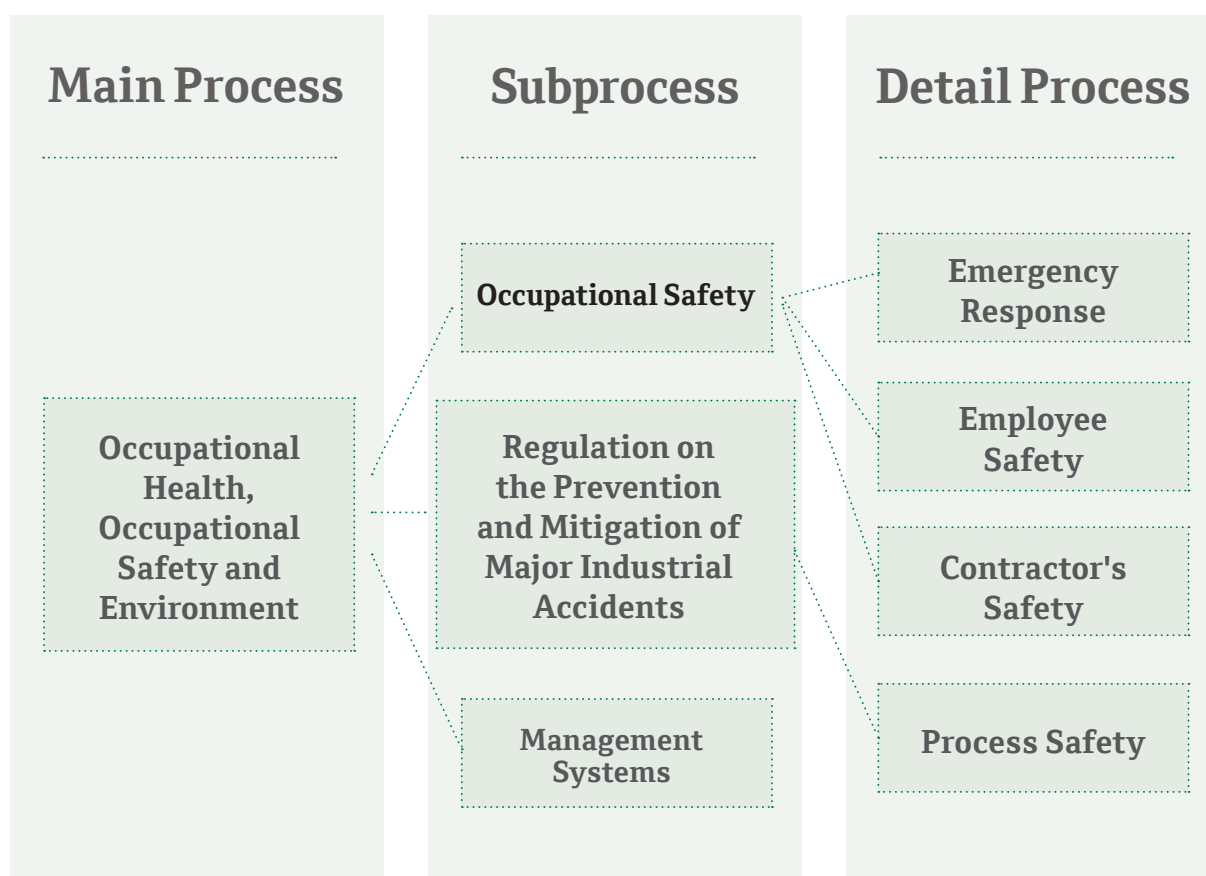
- Not to harm the environment, neighbors and living things
- To create safe facilities and to be sustainable by design.

We have the Accident/Injury Procedure to investigate and report accidents and work-related injuries/illnesses in our company and to determine the relevant regulations. Thus, we determine the main reasons and suggestions for preventive actions to be taken and integrate them into the operations.

In addition, in order to meet the requirements of the "Communiqué on Internal Emergency Plans to be Applied in Major Industrial Accidents", our company carries out all kinds of measures, monitoring and sampling activities to prevent and reduce the effects of possible accidents on the environment in our organization, and has the Emergency Management System Procedure, which includes the lessons learned from the intervention activities within the scope of accident investigation, the intervention organization including the rehabilitation of the areas contaminated after the accident, the internal emergency management center required for the management of resources and intervention operations, the command structure, command vehicles, resources and methods related to the determination of the necessary personnel.

With the Occupational Health and Safety trainings we regularly provide to our employees, we aim to make our employees aware of all kinds of accidents and take necessary precautions.

In addition to all these, in order to strengthen our sustainability performance within the scope of OHS, evaluations and interviews are made in our company for the works related to Forklift Tracking Systems, Online Employee Safety, Loading Ramp Security Systems.



Our company holds meetings within the scope of OHS every month, our meeting activities include the following topics:

- Evaluation of monthly accidents with the personnel in charge within the framework of the relevant procedures and regulations,
- Evaluating the hazards and measures related to occupational health and safety in the workplace, determining the measures, giving feedback to the employer or employer representative,
- Carrying out studies to develop a consistent and general prevention policy covering the effects of factors related to technology, work organization, working conditions, social relations and working environment in the workplace,
- Exchanging opinions with the representatives working in that workplace on Occupational Health and Safety issues,
- It is the taking and monitoring of actions for improvement and solution of problems.

OUR OHS PROCESSES

OHS processes are managed with a deductive approach from the Occupational Safety and Prevention of Major Industrial Accidents subprocess to the detailed processes under the main process of Occupational Health, Occupational Safety and Environment. Thus, OHS processes are carried out more systematically in our company.

Emergency and Fire Safety

As SASA, we manage our fire safety systems based on automatic detection, automatic extinguishing and manned intervention philosophy.

With 4 shifts, we have a main staff of 16 experts working 24 hours a day, and an experienced business staff of 67 people called Emergency Response Team (ADME).

In addition, our support staff consisting of Search, Rescue and Evacuation, Fire Fighting and First Aid Teams work in coordination for Extinguishing-Rescue-Protection-First Aid activities in accordance with the relevant regulations.

Our firefighters have all the licenses, certificates and training required by the procedures.

Periodic maintenance of our vehicles, pump stations, equipment is carried out systematically, fire,

injury, chemical scattering, earthquake, flood, night drills carried out during the year, A-B-C-D-E-F class fires and unannounced weekly emergency drills, our personnel's refresher trainings are carried out and fire safety systems can be monitored 24 hours a day with a computer program.

Planned Exercises	Exercises Performed	Percentages Of Performance
2017 Year / 45 Exercises Plan	44 Exercises Performed	97.7%
2018 Year / 50 Exercises Plan	49 Exercises Performed	98%
2019 Year / 52 Exercises Plan	52 Exercises Performed	100%
2020 Year / 56 Exercises Plan	56 Exercises Performed	100%





Our COVID-19 Precautions

Our company has prepared a comprehensive "Infection Prevention and Control Emergency Action Plan" to protect against the COVID-19 outbreak within the scope of ensuring public health and employee health and business continuity.

The emergency action plan we have created covers all businesses within our company and all actions to prevent epidemic hazards that may come from outside our company. We act in accordance with the information and circulars to be published by the Ministry of Health in the implementation of our action plan.

Within the scope of COVID 19, our company defines different levels of risks in the "Risk Assessment Form" and creates the "Action, Control, Precaution" mechanism to prevent or reduce these risks.

We've set five precautionary levels based on the rate at which the outbreak is spreading. The measures to be taken for levels 1, 2 and 3 are customized

under the following headings:

- Things to Do for Employee Health
- Personal Protection Measures
- Travel Precautions
- What Needs to Be Done During Operation
- Issues to be Considered in Internal and External Meetings and Trainings

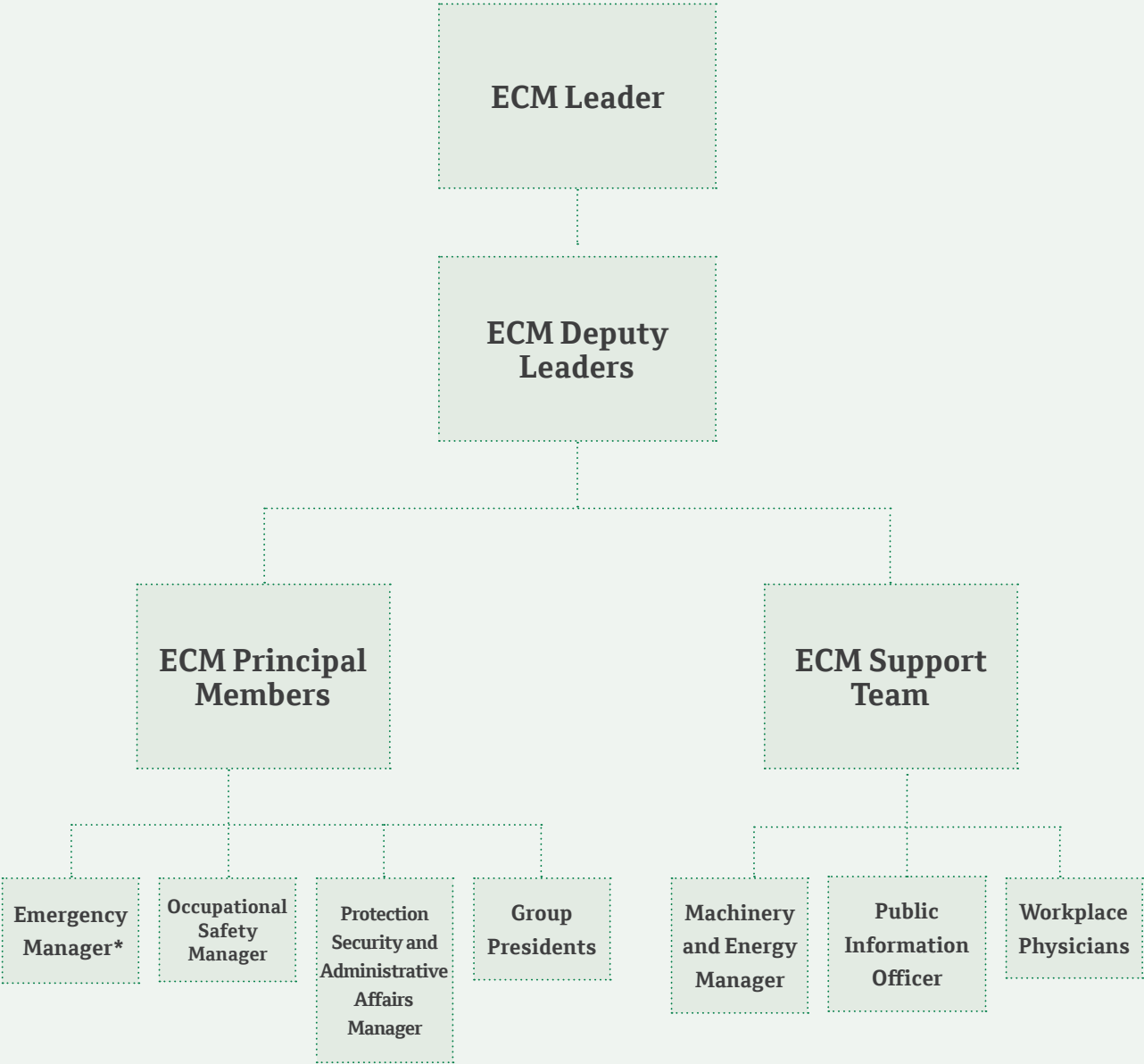
In Level 4 and Level 5 cases, the Board of Directors decides whether the work will be stopped or whether strategic production will be carried out under high intensity isolation and hygiene.

We have an Emergency Control Mechanism (ECM) led by the General Manager of our company to produce fast and effective solutions to the problems caused by COVID-19. Our company is also certified by Turkish Standards Institution for COVID-19 Safe Production. [APPENDIX 9](#)

Our Precaution Levels According to the Spread of the Epidemic

Level 1	Level 2	Level 3	Level 4	Level 5
Consciousness	Warning	Serious	Severe	Critical
No documented cases of contamination in Turkey	Suspicion of a documented case in Turkey	Presence of a documented case in a limited region in Turkey	Widespread spread to humans in Turkey	Rapid spread of the virus and occurrence of the case at every point in Turkey

Our ECM Organization Chart



*Group President of the Business with Emergency



Business Ethics

As SASA, our reputation and our relations with our stakeholders are among the issues that we approach with sensitivity. In line with our Code of Ethics, we establish policies to protect the interests of all our stakeholders in our activities. [CLICK HERE TO REVIEW OUR CODE OF ETHICS](#) In addition to our legal responsibilities; We take care to fulfill our responsibilities listed below towards our customers, employees, shareholders, suppliers and business partners, our competitors, society, humanity and on behalf of SASA.

Our Legal Responsibilities: We carry out all our activities and transactions at home and abroad within the framework of the laws of the Republic of Turkey and international law, and we provide accurate, complete and understandable information to legal regulatory institutions and organizations in a timely manner. While carrying out all our activities and transactions, we are at an equal distance to all kinds of public institutions and organizations, administrative formations, non-governmental organizations and political parties without any expectation of interest and we fulfill our obligations with this sense of responsibility.

Our Responsibilities to Our Customers: We work with a customer satisfaction-oriented, proactive approach that responds to the needs and demands of our customers in the shortest time and in the most accurate way. We provide our services on time and under the conditions we have promised; we approach our customers with respect, dignity, fairness, equality and courtesy.

Our Responsibilities to Employees: We ensure that the personal rights of the employees are fully and correctly exercised. We treat employees honestly and fairly and commit to a non-discriminatory, safe and healthy working environment. We make the

necessary efforts for the individual development of our employees, support them to volunteer for appropriate social and social activities with a sense of social responsibility, and observe the balance between business life and private life.

Our Responsibilities to Our Partners: By giving importance to the continuity of the Company and in line with the goal of creating value for our partners, we avoid taking unnecessary or unmanageable risks and aim for sustainable profitability. We act within the framework of financial discipline and accountability, and manage our company's resources and assets and working time with efficiency and saving awareness. We take care to increase our competitiveness and invest in areas that have the potential to grow and will provide the highest return to the resource. In our statements to the public and to our shareholders; we provide timely, accurate, complete and understandable information about our financial statements, strategies, investments and risk profile.

Our Responsibilities to Supplier/Business Partners: We treat a good customer fairly and respectfully as expected, and we take the necessary care to fulfill our obligations on time. We carefully protect the confidential information of the people and organizations we do business with and our business partners.

Our Responsibilities to Our Competitors: Effectively, we compete only in areas that are legal and ethical, avoiding unfair competition. We support the efforts to ensure the targeted competitive structure in the society.

Our Responsibilities to Society and Humanity: It is very important for us to protect democracy, human rights, and the environment; to eliminate education and charity, crime and corruption.

We act sensitively as a pioneer in social issues with the awareness of being a good citizen; we try to take part in non-governmental organizations, services in the public interest, and appropriate activities on these issues. We are sensitive to the traditions and cultures of Turkey and the countries where we carry out international projects. We do not give or accept bribes or gifts, etc. in excess of the purpose.

[CLICK HERE FOR MORE INFORMATION](#)

Our Responsibilities to “SASA”: Our business partners, customers and other stakeholders rely on us for our professional competence and honesty. We try to keep our reputation at the highest level. We provide our services within the framework of Company policies, professional standards, commitments and ethical rules, and we show the necessary dedication to fulfill our obligations. We take care to serve in areas where we believe we are and will be professionally competent, and aim to work with customers, business partners and employees who meet the criteria of accuracy and legitimacy. We do not work with those who damage public morality, harm the environment and public health. In areas where the public and the listeners think that we speak on behalf of our company, we express only our Company's views, not our own.

When we encounter complex situations that may put the Company at risk, we first consult with the appropriate personnel by following the appropriate technical and administrative consultation procedures.

The policies and principles we have established to support the Code of Business Ethics and to ensure that the issues related to business ethics are implemented and developed in a more comprehensive framework are as follows:

Conflict of Interest Policy: It is essential that our company employees stay away from situations that may create a conflict of interest. Failure to use company resources, name, identity and power for personal benefit and to avoid situations that will adversely affect the name and image of the institution

are among the most important responsibilities of all employees. [CLICK HERE FOR MORE INFORMATION](#)

Gift Acceptance and Giving Policy: It is essential that employees do not accept gifts or benefits that may affect their impartiality, decisions and behaviors, and do not attempt to provide gifts and benefits that may create such effects to third parties and organizations. [CLICK HERE FOR MORE INFORMATION](#)

Policy on the Protection of Confidential Information: Information is one of the Company's most important assets in the way of realizing its vision. Accordingly, it is the common responsibility of all our companies and employees to use information effectively, share it correctly and ensure the confidentiality, integrity and accessibility of information in this process. It is important that the management systems established for the management and confidentiality of information in our company and the processes implemented are in harmony with each other in order for the Company to obtain the highest level of benefit. Details of the applications related to the subject are included in the SASA Information Security Policy and related documents. [CLICK HERE FOR MORE INFORMATION](#)

Creating and Maintaining a Fair Working Environment Policy: The company recognizes the creation and maintenance of a fair working environment for employees as one of its top priorities. It is aimed to increase the success, development and commitment of the employees by creating a fair, respectful, healthy and safe working environment in accordance with all relevant laws and regulations. [CLICK HERE FOR MORE INFORMATION](#)

Company Shares Trading Policy: It is essential that employees comply with the relevant legal regulations regarding the purchase and sale of the Company's shares and stay away from situations that may create a conflict of interest. [CLICK HERE FOR MORE INFORMATION](#)



Anti-Bribery and Corruption Policy: Within the framework of transparency and accountability, we take all necessary measures to prevent all forms of bribery and corruption. If the SASA employee or stakeholder witness any action or practice related to bribery and corruption, reports this situation to the Industrial Relations Unit or if the relevant situation is determined by the Industrial Relations and authorized units;

- For SASA employees, the Disciplinary Board is convened and if it is determined that the employee has attempted or carried out an action related to bribery and corruption, the necessary sanction is immediately applied, taking into account the principle of proportionality after the written defense is received or the period for written defense has elapsed. Sanctions such as warnings, reprimands, wage deduction may be applied or the employment contract may be terminated in accordance with the principle that termination is a last resort.
- Necessary notifications are made immediately to the legal authorities in case of detection of any attempt or act of a party with commercial and industrial ties of SASA stakeholders, customers, suppliers and/or SASA that may have any connection with bribery and/or corruption.

Senior Management of the Company is responsible for the effective implementation of the SASA-Code of Ethics and the creation of a culture in which this is supported. SASA-Code of Ethics and all kinds of related policies are reviewed, revised and documented by Human Resources and Industrial Relations and announced to the Companies with the approval of the Deputy General Managers.

In cooperation with the Code of Ethics Consultant, the Company's Management is responsible;

- To guarantee the confidentiality of complaints and notifications made within the framework of ethical rules and to protect individuals after their notifications,
- To ensure the occupational safety of the employees who report
- To ensure that complaints and notices are investigated in a timely, fair, consistent and sensitive manner and for taking decisive action as a result of violations.

The Company Code of Conduct Advisor convenes an Ethics Committee consisting of himself, Human Resources and Industrial Relations, Manager and Audit Manager in the event of an ethical rule violation requiring investigation. The Code of Ethics Advisor chairs the Board. The Board shall meet with the Chairman and at least one of the members. The Board takes its decisions unanimously.

Ethics Committee Working Principles

The Ethics Committee conducts its work within the framework of the following principles:

- It keeps confidential the identity of the notifiers or complainants with notifications and complaints.
- It conducts the investigation as much as possible within the rules of secrecy.
- It has the authority to request information, documents and evidence related to the investigation directly from the available unit. It may examine all kinds of information and documents only limited to the subject of the investigation.
- The investigation process is recorded in a written report from the beginning. Information, evidence and documents are added to the minutes.
- The minutes are signed by the chairman and members.
- The investigation is handled by the urgent method and the result is reached in the fastest possible way.
- The decisions taken by the Board shall be implemented immediately.
- Relevant departments and authorities are informed about the result.
- The Chairman and members of the Board act independently and unaffected by the hierarchy within the organization and the department managers to whom they are affiliated while performing their duties on this subject. They cannot be pressured or suggested about the subject.
- If the Board deems it necessary, it may apply for expert opinion and benefit from experts by taking measures that will not violate the confidentiality principles during the investigation.

Data Confidentiality

In order to facilitate the use and personalize the use of the sites of the Company SASA Polyester San.ve Tic. your usage data is processed in accordance with the Cookie Policy. These technologies we use are used to improve our website and make it useful, effective and safe.

Privacy Policy

As sasa.com.tr, we show maximum sensitivity to the security of your personal data. Your personal data is processed and stored in accordance with the Personal Data Protection Law No. 6698. Our practices on the confidentiality of personal data are explained in detail in the Privacy Policy. [CLICK FOR OUR POLICIES.](#)

Our Responsibilities Towards Society

Our aim is to ensure that Human Rights and fundamental freedoms are adopted by all our employees and stakeholders and to prevent poverty, hunger, gender inequality, climate crisis and discrimination within the framework of the United Nations Sustainable Development Goals. In this respect, our employees aim to be binding on supplier and contractor companies, customers, as well as third-party stakeholders and local people who have any commercial and industrial ties with our company. We have a Human Rights Policy. [CLICK FOR OUR HUMAN RIGHTS POLICY.](#)

In line with our Human Rights policy, we make commitments on the following issues:

Child Worker: For the healthy development of children and within the framework of respect for the right to education, we do not have employees under the age of 18 in our company. We act in accordance with the principles and procedures of employing young workers and ensure that people are not forced to work at any stage of product production against their will.

Recruitment: In order to ensure the continuity of ethical criteria, we consider the technical and professional knowledge of personnel selection as well as the compliance of the company with the company rules and social compliance requirements as a necessary and important criterion. Starting from the recruitment stage, we enforce the policies of prevention of discrimination and harassment-maltreatment.

Working Hours: We act in accordance with the laws and regulations in force during working hours and overtime due to efficient working and respect for human rights.

Fees and Payments: Based on the minimum wage that the employees can cover their living expenses, we ensure that there is no wage under the minimum wage and that overtime wages are paid by making additions as required by the law.

Discrimination: On the basis that all employees have equal rights; we undertake that there shall be no discrimination in terms of recruitment, compensation, access to education, promotion or termination or retirement based on race, social class, religion, national origin, gender or political relations. We do not discriminate against our employees and job applicants due to race, color, belief, ethnic and national origin, religion, gender, marital status, age, physical disability and similar reasons under any circumstances.

Freedom of Association and Collective Agreement: We respect the right of employees to become members of the union and the right of representation in a free and democratic manner through employee representatives.

Prevention of Harassment and Abuse: We ensure that there is no verbal, physical, psychological harassment or coercion to ensure the peace of the working environment and the happy working of the employees.

Bribery and Corruption: Under no circumstances do we accept bribery, corruption and/or commission. We act within the framework of the established and published SASA Code of Business Ethics.

Forced and Compulsory Operation: With the contract, we ensure that there can be no work committed to the obligation or in return for the debt and that the work is voluntary.

Training: The training level of the employees determines the general level of the company. With this logic, we organize internal or external trainings in order to increase the occupational health and safety awareness of the employees and to support their professional and personal development, and we ensure the continuous development of the company due to the development of the employees with the trainings organized.



As SASA, we care about our relationship with the society, we act with an approach that takes into account both national and international standards to protect the health and safety of the society. We adopt the principle of providing better environmental, social and economic conditions to the local people around our factory and taking remedial actions in line with the suggestions, demands and complaints they have notified us. In order to ensure sustainable development, within the scope of our Community Relations Policy in the locations within our sphere of influence while continuing our activities, we undertake: [CLICK FOR OUR POLICIES](#)

- Sustainable use of natural resources by considering air, water and land ecosystems,
- To protect the fauna and flora that constitute biodiversity in the region,
- To defend basic human rights and respectful living conditions in accordance with laws and regulations,
- To provide training, food supply, employment, opportunities to local people and thus supporting social development,
- To carry out voluntary activities to bring disadvantaged groups into the society,
- To carry out activities in a manner that respects the traditions and customs of the local people, especially establishing a respectful attitude towards women and children,
- To establish an interactive and understandable dialogue with the public on a regular basis through meetings, surveys, forms, telephone and e-mail communication channels,
- To establish transparent, respectful and trust-based social ties and partnerships,
- To ensure timely response for the active functioning of the complaint and suggestion mechanism and providing the necessary resources for the implementation of corrective and preventive actions,
- To act in cooperation with social groups and proactively eliminating socioeconomic risks,
- To complete all necessary studies for the positive progress of environmental and social impacts,
- To create temporary campsites for our sub-employees considering international and national standards will have the least impact in terms of social, cultural, social, economic and environmental aspects,
- Within the scope of our Community Health and Safety Management Plan, to put all our efforts to

improve the social performance of our activities through the monitoring of Key Performance Indicators (KPIs) and to share our work on this issue transparently with our stakeholders.

Our Social Responsibility Projects

As every year, this year, our company has carried out activities to fulfill its duties and responsibilities to the society. In 2020, we donated to the Red Crescent, Afad and Child Welfare Institution. In addition to the donations we will make to NGOs next year, we are preparing to develop a Social Responsibility Project in our company.

SASA on campus

In our scholarship program, which we have been running since 2017, we have provided scholarships to the children of our employees that are studying at university.

We publish job advertisements by contacting the career centers of universities. In addition, we meet the technical trip or conference demands of Turkey's leading universities and convey SASA's experience in the industry to our young people preparing for business life.

Incubation Center

We have established the Incubation Center library of ADANA OIZ Directorate and continue to contribute to the development of the industry by providing mentoring services.

İşkur Trainee Training Program

Within the scope of İŞKUR, we provide 6-month trainings to the candidates and then provide employment opportunities.

SASA Mehmet Erdemoğlu Nursery

The foundation of Yeşiloba Neighborhood "SASA Mehmet Erdemoğlu Nursery", which we undertook to build, was laid on September 5, 2020 and intensive work continues in the inner and outer parts of the nursery. 160 children between the ages of 3-6 are planned to receive preschool education in the nursery, which is designed to enable women to work by leaving their children in the nursery and to adapt children to formal education with preschool education. Modern education centers suitable for age groups are equipped with materials and organized in a way that various activities will be done with many sportive activities (children's gymnastics, yoga, traditional children's games, ballet, folk games, dance, etc.) that support physical and cognitive development.



05

SUSTAINABLE PRODUCT MANAGEMENT

01. ABOUT US

02. OUR STRATEGY

03. ENVIRONMENTAL SUSTAINABILITY

04. SOCIAL SUSTAINABILITY

05. SUSTAINABLE PRODUCT MANAGEMENT

06. CORPORATE GOVERNANCE

07. PERFORMANCE INDICATORS

Eco-innovation and R&D

SASA R&D Center Equipment

Our Strong R&D and P&D Team

Our R&D Center, which was established in 2002 and certified by the Ministry of Industry and Technology in 2018, has a strong technical infrastructure with more than fifty years of production experience and know-how as SASA. In our R&D Center, we aim to increase the number of our expert staff consisting of a total of thirty-six people with one doctorate, two master's degree, thirty-three bachelor's degree and associate degree.

Technological Infrastructure and Laboratories

Performing chemical and physical analyzes equipped with high-tech devices that support R&D and P&D activities in our high-tech polymer, fiber and yarn production processes, we have

- Chemistry Laboratory
- Physics Laboratory
- Yarn Laboratory
- Waste-Water Laboratory
- Water Treatment Laboratory

In addition, we have pilot production facility, oven SSP and filter test devices with a capacity of 5 L to be used in R&D and P&D activities.

Our Corporate Structure

We have a strong technical infrastructure with our Research and Development Center established in 2002.

WITH ITS STRONG CORPORATE STRUCTURE, SASA
.....
HAS SUCCEEDED IN BECOMING;
.....

- Turkey's first PET bottle & bottle manufacturer,
- Turkey's first PET resin producer,
- Turkey's first non-phthalate plasticizer manufacturer,
- Turkey's first colored fiber manufacturer,
- Turkey's first biodegradable polymer producer,
- Europe's first PET bottle recycling facility,
- The world's first direct PET bottle conversion patent holder



SASA R&D and P&D Strategy

SASA has determined the basis of its R&D Strategy as making a difference with sustainable and innovative products, creating new markets, being a pioneer and leader in its sector and being able to sustain this situation.

This strategy is also the main purpose of the R&D Center. The main parameters to be considered in the implementation of the strategy are;

- Product focused on meeting customer needs,
- Reliable, environmentally friendly and high quality product,
- A fast product presentation.

The R&D strategy overlaps with the corporate strategy and is updated for all markets (target markets/main market).

The key elements that make up our strategy are;

- Quality and environmentally friendly product
- Innovative and reliable product
- Product in line with brand perception and strategy
- Maintaining the ability to present the product to the market quickly,
- Implementation of projects compatible with company objectives.

While SASA R&D Center develops strategy,

- Follows the developments in the sector,
- Acquires industry-specific information and develops market-based strategies in cooperation with the customer.
- Follows and participates in domestic and international fairs.
- Develops collaboration with suppliers and becomes familiar with innovations.
- Follows all innovations with its magazine, publication and internet memberships related to the sector.
- Applies new product design and development activities by using different production techniques and using different inputs.
- Conducts new and different raw material evaluations in cooperation with supply chain management.
- SASA evaluates competitor products.

Eco-innovation

SASA R&D and P&D team has developed and continues to develop many new and innovative products to be evaluated among the main product groups in the wide product segmentation.

Black Fiber

SASA is the first company in Turkey to produce black fiber using carbon black. This feature increases the fastness in the fabric and reduces the cost in the fiber. The product has features such as polymer dyed (dope-dyed), vibrant and deep black tone, excellent thermal stability, high cohesion and low fiber-metal friction. Usage areas;

- Interlining
- Automotive
- Filtration
- Geotextile and construction
- Plush

Flame Retardant Polyester (FRP)

The flame-retardant copolymer PET product ignites much later when exposed to flame than the standard PET product and does not tend to spread flame. It is used as a flooring material in public transportation vehicles such as buses, trains, planes and in public places such as shopping malls, cinemas and theaters.



Cationic Paintable Polyester

Once the standard PET polymer has become a polymer, it can only be stained with dispersion dyestuffs. The cost of painting with dispersion dyestuffs is high, high pressure dyeing equipment is needed and the color palette is limited. The Cationic Paintable copolymer PET product has been developed to address this disadvantage. The product becomes paintable with PET cationic dyestuffs thanks to the functional co-monomer that participates in the polymer chain. The main place of use is textile production.



Hydrolysis Resistant Polyester

After polymerization of polyester, carboxyl end groups are present in the structure of the polymer. These carboxyl end groups cause hydrolytic degradation when exposed to moisture or aqueous medium. The hydrolysis-resistant polyester product in SASA's product portfolio does not undergo hydrolytic degradation. The hydrolysis-resistant polyester polymer has been developed to overcome the aforementioned effects of the carboxyl end groups, thereby extending the life of the product. The main uses are the various application areas that are in constant contact with water.



Polyester with Low Melting Point

The SASA product portfolio includes both PET and PBT based copolymer products with reduced melting point compared to standard polymers. They are most commonly used as adhesives on nonwoven surfaces in the form of a single component or bi-component fiber.



Water Soluble Polyester

Water-soluble polyester is a waxy product. It is solid at room temperature, soluble in water. It does not have a regular cut shape due to its low glassy temperature. Water-soluble polyester is used as a coagulant in paint materials, adhesives and cosmetic products during the stone washing of denim textile products.





Polyethylene Naphthalate (PEN)

PEN is a thermoplastic polymeric material obtained as a result of the polymerization of naphthalate dicarboxylic acid (NDC) with monoethylene glycol (MEG). It has a higher glazing point (Tg) than PET. It is used in the production of flat screen televisions, printed circuit production and reusable food packages thanks to its heat resistance and high mechanical properties. The degree of copolymerization can be adjusted according to the final use.

Polyester Fiber Suitable for Food Contact

Polyester fiber, which meets both national and international food contact legal requirements, has become producible for use in food contact applications.

Polyester Fiber Suitable for Vortex Yarn Spinning Technology

It has been observed that the prescriptions applied as standard in fiber production are not suitable for the fibers to be worked in the vortex yarn system and cause problems such as wrapping and pollution quality loss. With the studies on the process and product features that can be used for this purpose, a product with high working performance has been developed in the Vortex spinning machine.

Polyester Fiber with High Attraction Rate in Alternative Heat to Acrylic Fiber Used in High Intensity Yarn Production

With this project, it is a more environmentally friendly polyester fiber with high bulk (high volume) feature that can be an alternative to acrylic fiber that meets the needs of the carpet and similar sector.

Flame Retardant Plasticizer

Products manufactured with flame-retardant plasticizers ignite much later than the standard product when exposed to flame and do not tend to spread flame. It is used in transportation vehicles, products used in public places, home textiles, garden products, insulation and electrical materials.

Flame Retardant Antimony Free (Sb-free) Polyester

With its flame retardant properties, it is a more environmentally friendly and healthier product than the standard product with its antimony-free product.



New and Improved Process Projects

Methods for Minimizing the Amount of Monoethylene Glycol (MEG) in Water Released in PTA (Pure Terphthalic Acid) Based PET Production

With this project, it is aimed to reduce the amount of MEG in the water released as a result of production, to reduce the amount of energy used to separate the MEG in the water, to reduce the loss of raw materials and to develop a more environmentally friendly process. With the project, the amount of MEG found in the water released during production has been reduced to below 0.5%.

Reduction of Tetrahydrofuran (THF) as a By-product in Polybutylene Terephthalate (PBT) Production

By reducing the formation of THF, which is a side reaction product in PBT production, below 2%, the loss of raw material and capacity has been reduced, and energy and production costs have been reduced.

Our Intellectual Properties and Patents **APPENDIX -6**

PATENT NO	PATENT NAME
EP2210911A1	Production of Polymer
EP3257886A1	Process of production of PET
US9373737B2	Biaxially Stretched Polymerfilm Comprising A Decarboxylation Catalyst, Its Use In Electrical Insulation Applications, And Process For Its Production

Our Collaborations

We cooperate in our R&D activities with universities and many institutions and organizations on a national and international scale. Our collaborations take us forward with rapid steps in the name of innovation and technology.

	Collaborating Institution/Person	Country	Collaboration Type / Form
Universities	Middle East Technical University	Turkey	Feasibility study for the production of imported products (Polyester FR material production) in Turkey with domestic technology
	Sabancı University	Turkey	Feasibility study for the production of imported products in Turkey with domestic technology
	Sabancı University	Turkey	Development of domestic technology for catalyst production.
	Çukurova University	Turkey	Feasibility study for the production of imported products in Turkey with domestic technology
	Mersin University Faculty of Engineering - Department of Environmental Engineering	Turkey	Process improvement
	Ege University	Turkey	Collaboration for domestic production technology
	Sabancı University Faculty of Engineering Natural Sciences – Department of Chemistry	Turkey	Conducting collaborative work on PET products for product development.
	Middle East Technical University Faculty of Science – Department of Chemistry	Turkey	Investigation of different methods for the recovery of dirty monoethylene glycol
	Bradford University Faculty of Natural Sciences – Department of Chemistry	Britain	Investigation of additives with different properties
	TUBITAK MAM	Turkey	Performing feasibility study for catalyst production
	TITK Textile Research Center	Germany	Carrying out studies to increase customer satisfaction in fiber production.
Other / Institutions, Organizations, Foundations and Funds	Uhde Inventa Fischer	Germany -Switzerland	Feasibility study for replacing the produced DMT products with PTA-based production technology
	Colormatrix	England	Development of an additive that provides reheat properties
	Nestle	Italy	Collaborative work to reduce acetaldehyde formaldehyde amounts
	Toyobo	Japan	Investigation of different catalyst systems
	Ciba	Switzerland	Investigation of the effects of additives on polymerization
	PFE	America	Consultancy on determining the most appropriate method for bottle-to-bottle recycling
	With Consulting	South Korea	Consulting on fiber production systems
	Oerlikon Barmag	Germany -Switzerland	Conducting studies on fiber – yarn production systems

Quality and Customer Health & Safety

As one of the world's leading manufacturers of polyester, fiber, filament yarn, polyester-based polymer, special polymers and intermediate products, we maintain our leadership position in the sector by offering the best quality products to our customers. With the continuous investments we have made since 1966, we combine our strong technical know-how and innovation culture and grow by increasing our product capacity even more. With our wide product portfolio, we are always proud to provide quality and reliable service to our customers.

We minimize the environmental and social impacts of our activities throughout our meticulously managed production network. Thanks to the recycling works we carry out in this context, we direct our process wastes and secondary quality product wastes to our sister company Merinos, which is a subsidiary of Erdemoğlu Holding, and ensure that our process wastes are reused in carpet production, thus contributing to resource efficiency and cyclical economy with 100% recycling.

We are working to support our sustainable product management with our investments in R&D. SASA Plus 88™, which we have developed in this context and is suitable for general use, is a product that is more respectful to the environment and human beings.

Production of Hygienic Fibers

As SASA, in order to produce our fiber product group used in the production of hygiene products such as diapers and wet wipes under hygienic conditions, we take the necessary measures to eliminate all kinds of negative factors (birds, flies, pests) that will disrupt the hygienic conditions at the points where we produce fiber in order to meet the expectations of our customers in this product group and to prevent contamination. Hygiene fiber process within SASA has been started as of June 2019 and it is planned to expand the scope for completely hygienic production as of 2021. Our hygiene fiber production corresponds to 30% of our total fiber production produced in our factory.

Our Quality Standards

In the ecosystem where we operate, we offer products that meet the requirements of the age in line with the needs of our customers. We ensure the quality and reliability of our products with international standards.

Oeko Standard 100 [CLICK TO SEE](#)

The ingredients in our products are tested and approved in accordance with international standards that our product does not have any negative effects on human health as a result of these tests.

Reach Regulation [CLICK TO SEE](#)

Our Polymer Chips products are manufactured in accordance with Reach standards, a European Union Regulation developed to protect chemicals from risks to human health and the environment. Thus, we make sure that the chemicals we use do not harm human and environmental health.

Allergen Test [CLICK TO SEE](#)

According to Regulation 1169/2011 of the European Union, our PET BG polymer products have been subjected to allergen tests and passed the tests successfully. In this context, it has been approved that our products are not exposed to any allergens (gluten, dairy products, peanuts, sesame, etc.) throughout the production network.

Conformity for Food [CLICK TO SEE](#)

By adopting the GMP (Good Manufacturing Practices) perspective, we frequently take samples during production and subject these samples to tests. The purpose of these tests is to maintain our quality at high standards and to facilitate the traceability of our quality. We store all the data we obtain in accordance with ISO standards. In this context, our related products comply with US FDA 21CFR (Code of Federal Regulations Title 21).

ISO 9001 Quality Management System [CLICK TO SEE](#)

We implement the globally accepted ISO 9001 Quality Management system in order to increase the expectations, needs and customer satisfaction of our customers.

Our Customer Relationship Applications

We maintain a service model that aims to meet every request of our customers in terms of their satisfaction. At the same time, we program studies to increase customer satisfaction by continuously improving this service model. For this reason, it is important for us to eliminate customer dissatisfaction by correcting the negativities related to the product sold or the service offered, and to manage the complaints correctly and effectively, if any.

It is one of our primary objectives to increase customer satisfaction and reduce complaints / problems by designing a production system that fully meets customer demands in our company.

We manage our Customer Complaints with the 8D method. Customer complaints received by us are first analyzed and resolved by our technical experts. Our technical experts then forward the complaint to the appropriate team leaders. The relevant team solves the problem and ensures that appropriate

actions are taken together with the necessary reporting. The main purpose of the 8D method is to determine the root causes correctly by taking the problem into the hands of a team systematically and to take effective corrective and preventive actions.

Thanks to our Customer Complaints System, we protect the service quality of our company and find fast and effective solutions to our customers' complaints.

Average resolution times of complaints received in the last 3 years

Type of Complaint	Target resolution time (days)	2018	2019	2020
Production	20	29*	20	17
Shipping	10	10	8	7
Service	7	7	5	9**
Technical specification	5	4	4	3

The table below shows the average resolution times of the complaints we have received in the last 3 years.

*Due to the process of obtaining samples from abroad

**Pandemic-induced

06

CORPORATE GOVERNANCE

We create corporate sustainability processes by involving all our stakeholders in areas such as environmental awareness, ethical behavior, corporate strategy, compensation and risk management in line with accountability, transparency, fairness and responsibility, which are the basic principles of corporate governance.

We are based on corporate governance principles to mainstream sustainable development goals in all units of the company. We produce long-term environmental, social and economic solutions that benefit key stakeholders by involving our customers and suppliers in the entire value chain.

Our company complies with the mandatory principles within the scope of the CMB's "Corporate Governance Communiqué" published and enacted in the Official Gazette No. 28871 on January 3, 2014 and applies these principles

[FOR OUR COMPANY'S CORPORATE GOVERNANCE PRINCIPLES COMPLIANCE REPORT, PLEASE CLICK.](#)

Our Governance Structure



OUR GOVERNANCE STRUCTURE CONSISTS OF

- Board of Management
- Committees of the Board of Directors
- Internal/external audit
- Senior Management

In order to meet the corporate goals, senior management, reporting and information transfer between the board of directors and stakeholders are provided as in our governance structure. Thus, consultation processes are established between stakeholders and the highest governance body on economic, environmental and social issues

We have an internal auditor and an independent external auditor within Erdemoğlu Holding.



ERDEMOĞLU
HOLDING

Board of Directors Structure

Our company's highly experienced and qualified Board Members are committed to the goal of raising the company's values actively and effectively with a governance approach.

The Board of Directors of our company; observes the company's activities and performance, determines the company's strategies by considering the interests of all stakeholders, ensures risk supervision and ensures the compliance of the company's activities with the law, supervises the management and maintenance of the company's operations.

In line with our Diversity Policy, we are carrying out our preparatory work for female members to take place in the Board of Directors in the future. Our company's approach to diversity is set forth in the Policy on Creating and Maintaining a Fair Working Environment under the Business Ethic Rules Policy.

[CLICK HERE FOR THE BUSINESS ETHIC RULES POLICY](#)

Board of Management	Function	Independent Member	Member Involved in Execution	Occupation	Date of First Election to the Board of Directors
İbrahim Erdemoğlu	Chairman of the Board of Directors	×	✓	Senior Manager	30.04.2015
Ali Erdemoğlu	Vice Chairman of the Board of Directors	×	×	Senior Manager	30.04.2015
Mehmet Şeker	Board of Directors Member	×	✓	Doctor of Medicine	11.07.2016
Mehmet Erdemoğlu	Board of Directors Member	×	×	Senior Manager	30.04.2015
Kadir Bal	Board of Directors Member	✓	×	Mechanical Engineer	07.04.2020
Hacı Ahmet Kulak	Board of Directors Member	✓	×	Independent Accountant and Financial Advisor	29.03.2018
Mahmut Bilen	Board of Directors Member	✓	×	Academician	01.08.2016

Duties and Responsibilities of the Board of Directors

The duties of our Board of Directors in economic, environmental and social terms are as follows:

- Carrying out his/her duties with the care of a prudent manager and observing the interests of the company in accordance with the rules of honesty.
- To give the necessary instructions for the senior management of the company.
- Determining the profit of the company and determining the amount of ordinary and extraordinary reserves and provisions and replacement and redemption fees to be allocated for this profit.
- To organize and announce the agendas of the General Assembly invitations and meetings for ordinary and extraordinary meetings.
- Representing the company against partners and third parties.
- Determine, approve and ensure the implementation of the company's strategy.
- Establishing the company's mission, vision and values, and disclosing them to the public and employees.
- Approve the company's annual budget and business plans.
- To define the strategic objectives of the company, to determine the human and financial resources that the company will need, to supervise the performance of the management.
- To review and approve the Departmental Objectives by examining the budgets determined in line with the objectives and considering the corporate objectives of the company.
- To prepare the annual activity reports of the company and submit them to the General Assembly.
- To lead the taking of actions to prevent climate change and to be policy makers on these issues.
- To ensure the development of projects related to the issues related to the society of our company and to develop policies that take responsibility.
- To determine the policies of the company regarding shareholders and rights holders.
- Establishing and ensuring compliance with the company's ethical rules.
- Establishing committees affiliated to the Board of Directors, selecting members and organizing working principles
- To prepare the annual balance sheet and profit and loss accounts of the company and to submit the annual report to the General Assembly every 3 months.
- To decide on the appointment, promotion and dismissal of employees, consultants, inspectors and controllers who have the authority to sign in the company.
- To determine the company management organization.
- To determine and approve the salary amounts, staff and annual expenses of the employees, consultants, inspectors and controllers who have the authority to sign in the company.
- To decide on new activities and investments and identifying their authorities and, if necessary, the capital to be allocated.
- To establish the necessary units to identify the company's risk management principles and, if necessary, establish an effective risk management.
- To ensure that the necessary order is established for financial planning, to the extent required by accounting, financial supervision and management of the company.
- To appoint and dismiss the directors and persons with the same function and those who have the authority to sign.
- To observe whether the persons in charge of the management act in accordance with the laws, articles of association, internal guidelines and the written instructions of the board of directors.
- To keep share, board of directors decision and general assembly meeting and negotiation books, to prepare the annual activity report and corporate management statement and to submit them to the general assembly, to prepare the general assembly meetings and to carry out the decisions of the general assembly.



Term of Office of the Board of Directors

The term of office of the members of the Board of Directors is a maximum of three years, and the members whose term of office has expired may be re-elected to the board of directors. In the event of a membership vacancy, the Board of Directors elects a new member at the first meeting of the general

assembly for the membership opened for the approval of the General Assembly and this member completes the remaining period of its predecessor.

[CLICK FOR DETAILED INFORMATION ABOUT THE TERM OF OFFICE AND ELECTION PROCESS FOR THE MEMBERS OF THE BOARD OF DIRECTORS.](#)

General Assembly Meetings

- The dates and agenda of the Company's Board of Directors meetings shall be determined by the chairman or his/her deputy on the basis of the Company's Articles of Association, which contain the provisions relating to the meetings of the Board of Directors, and meetings shall be held upon the call of the chairman or his/her deputy. The agenda of the meeting is notified to the members of the Board of Directors in advance and it is ensured that the members of the Board of Directors can carry out the necessary works.
- The Ordinary General Assembly Meeting was held in Adana on 7 April 2020 and the participation of the shareholder representing 86.16% of the shares was realized. The General Assembly was also attended electronically (E-General Assembly).
- The announcement of the General Assembly Meeting was made at least three weeks before the date of the general assembly meeting by means of all kinds of communication, including electronic communication, in addition to the procedures stipulated by the legislation, to reach as many shareholders as possible.
- Our company does not have a privileged share. There is only one voting right for each share and there is no concession in any vote.
- The Annual Report, including the Audited Financial Statements for 2019, was submitted to the shareholders' review at the Company's Headquarters 15 days before the date of the General Assembly.
- During the General Assembly, the shareholders exercised their right to ask questions and no suggestions were made other than the agenda items.
- The important decisions in the Turkish Commercial Code are submitted to the approval of the shareholders in the General Assembly.
- When the legal compliance of the Corporate Governance Principles is ensured, all important decisions to be included in the changing laws will also be submitted to the approval of the shareholders in the General Assembly.
- General assembly information and general assembly announcements are shared on our website. [CLICK ON TO REACH.](#)

Committees of the Board of Directors

It consists of seven board members in total in our company and five of them are members who are not in charge of the execution defined in the Corporate Governance Principles. Three of our seven board

members consist of independent members and are elected by the General Assembly in accordance with the Corporate Governance Principles. The board of directors consists of three committees, which are:

Corporate Governance Committee	Early Detection of Risk Committee	Audit Committee
Chairman: Mahmut Bilen (Independent Member of the Board of Directors)	Chairman: Mahmut Bilen (Independent Member of the Board of Directors)	Chairman: Mahmut Bilen (Independent Member of the Board of Directors)
Member : Hacı Ahmet Kulak (Independent Member of the Board of Directors)	Member : Hacı Ahmet Kulak (Independent Member of the Board of Directors)	Member : Hacı Ahmet Kulak (Independent Member of the Board of Directors)
Member : Ali Bülent Yılmazel (Financial Affairs and Investor Relations Group Manager)		
The duties related to the Nomination and Remuneration committee are also fulfilled by this committee. - Seven corporate governance committee meetings were held in 2020. - The development of the company's mission and vision in line with sustainability was discussed. Studies were carried out on current titles on corporate governance.	- The Early Risk Detection Committee was convened seven times in 2020. - The current risk management system has been reviewed. - Audits have been carried out to ensure that the practices related to risk management in our company comply with the Committee Decisions. - Periodic follow-up and evaluation of the actions taken for risk management have been made.	- It has been convened five times in 2020. - The studies conducted by the Internal Audit have been reviewed and actions have been taken according to the evaluations. - The works of the independent audit firm have been reviewed. - Our company's financial statements have been reviewed. - The agenda items on Business Ethics and Code of Conduct Violations and Reviews were discussed.

No conflict of interest occurred in our committees in 2020. **FOR DETAILED INFORMATION**

Senior Management Role, Structure and Composition

Our senior management represents the company in relations with third parties and determines sustainable strategies that affect the economy, society and the environment in line with SASA's vision and

mission. It is planned to establish a Sustainability Committee within the next year and to carry out sustainability governance more effectively.

Senior Management	Function	Occupation	Tasks Assumed in the Last Five Years
Mustafa Kemal Oz	General Manager	Chemical Engineer	Head of Investments Group Deputy General Manager
Şakir Sabri Yener	Assistant General Manager -CFO	Business and Management	Finance Manager
Alper Söğüt	Assistant General Manager	Mechanical Engineer	Head of Energy Group
Güven Kaya	Assistant General Manager	Chemical Engineer	Head of Polymer Enterprises Group
Sivakumar Natarajan	Assistant General Manager	Engineer	POY Operations Manager
Ersoy Nisanoglu	Assistant General Manager	Chemical Engineer	Plant Manager



Sustainability Governance

In order for our company to reach future generations, we have the duty to ensure our sustainability efforts in line with the Sustainable Development Goals. We are aware of the importance of corporate governance and take our actions in this direction in order to increase the effectiveness of our sustainability efforts and to ensure that our successes are long-term.

Sustainability governance of our company is provided under the leadership of the board of directors. Our board of directors determines the goals of the company. We create our strategies with the contributions of all stakeholders to achieve the goals we set by involving third parties in the governance mechanisms of sustainability. We constantly control this mechanism and develop it through the continuous learning cycle.

Sustainability Governance Activities in 2020

- It was decided to establish the Sustainability Committee in 2021 with the aim of increasing the value created by our company in environmental, social and corporate management, determining the sustainability strategy, executing, monitoring and supervising sustainable policies, goals and practices.
 - Work has been started for the principles and procedures of working together with the regulation, vision, purpose and scope of the sustainability committee.
 - Our Company's Sustainability Policy has been established. Our Sustainability Policy is integrated with our OHS, Environmental Management, Green Purchasing, Whistleblower, Human Rights, Supplier Diversity, Community Relations, Conflict Minerals, Anti-Bribery and Corruption, Privacy/Data Privacy, Supplier Code of Conduct, Corporate Governance, Code of Conduct/Ethics Policies. [CLICK HERE FOR POLICIES.](#)
 - To follow national and international developments on sustainability,
 - To create sustainability strategy, goals, roadmaps and policies,
 - To manage the risks proactively in social, environmental and corporate governance issues and directing the Company's sustainability strategy and policy,
 - To support the development and implementation of projects to reduce carbon emissions in business processes within the scope of combating climate change,
 - To follow the company's sustainability road map and developments in its applications, to set targets, to determine performance criteria in this direction, to audit performance in line with the targets and to ensure the active participation of all relevant units of the company in the process,
 - To authorize and coordinate the Working Group established within the Company within the scope of the works,
 - To reorganize, carry out, monitor and supervise the sustainability policy, objectives, practices, working principles and management systems regularly and submit them to the approval of the Board of Directors when necessary,
 - To ensure that all Company employees are informed in line with the Company's sustainability policy and objectives and to work towards the internalization of these policies by the employees,
 - To ensure stakeholder participation for all stakeholders about the company's sustainability strategy, policy and practices,
 - To ensure that the working outputs coincide with the Company's sustainability policies and Company expectations is among the duties and responsibilities of the Committee.
 - To ensure that all priority issues of the sustainability report are covered, as well as formally reviewing and approving them.
- Duties and responsibilities for the Sustainability Committee to be established in 2021 are determined as follows:
- To carry out studies and develop projects in order to integrate sustainability into the company structure,

Corporate Risk Management

With the corporate business management perspective we have, we make behaviors or actions that are likely to affect the operation of our company and our strategies manageable by planning in advance.

We follow Corporate Risk Management according to the Corporate Risk Management Policy that we have established in line with the requirements of ISO 31000 /Risk Management – Principles and Guidelines. With our corporate risk management policy, we ensure that Corporate Risk Management systems are created, implemented effectively and the execution of Corporate Risk Management activities is secured. [TO REVIEW OUR CORPORATE RISK MANAGEMENT POLICY](#)

Depending on the Corporate Governance Committee, the Risk Early Detection Committee (RCC) manages the process of identifying, evaluating and reducing risks, forming the main structure of our company's risk management and ensuring the continuity of the risk management cycle. The purpose of the Committee is the early detection of all kinds of strategic, operational and financial risks that may jeopardize the existence, development and continuation of our company, the implementation of necessary measures and solutions for this and the management of the risk. This provides updates and reporting on risk development and trends and the execution of risk reduction strategies in the annual period. [SEE OF RISK 2020 ACTIVITIES AND COMMITTEE BOARD](#)

Categorization and Assessment of Risks

We identify, analyze and prioritize our risks in line with the risk assessment instructions we create.

Our company evaluates possible risks under four main risk categories: financial, operational, strategic and environmental. Environmental, social and governance risks, including the climate crisis, are managed in an integrated manner under these categories. The ESG risks that our company addresses are as follows:

- Environmental Safety and Climate Crisis
- Technological Innovations
- Occupational Health and Safety (Fire, occupational accident, etc.)

- Corruption
- Business interruption
- Employee satisfaction
- International influence
- Ethics

With the risk impact assessment table we create in accordance with the categories, we define the impact and probability ranges of risks and include the relevant business units responsible for taking actions that can minimize these risks.

Our Corporate Risk Management Flow Chart

We ensure that the relevant activities are carried out in accordance with the "Corporate Risk Management Procedure", which we have established based on the Corporate Governance Policy.

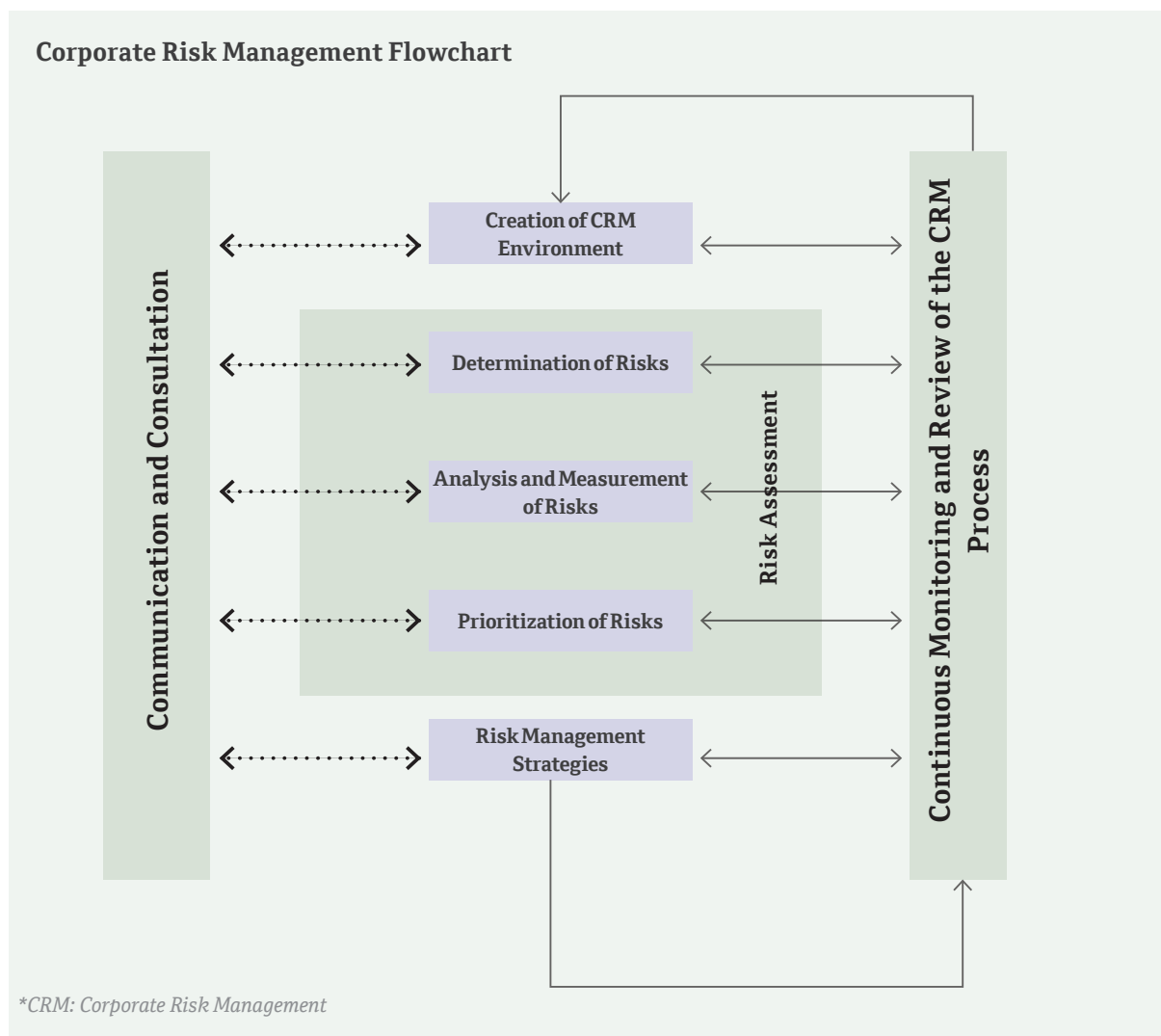
We create the risk management process according to the risk management flow chart defined in our corporate risk management procedure.

The benefits of our corporate risk management process are:

- Risk awareness is ensured throughout the SASA, proactive management is made in line

with the determined risk appetite and surprises are minimized,

- It is ensured that the losses and costs that may be encountered depending on the risks are reduced,
- Sustainable growth is achieved with income stability,
- The company's reputation and trust is improved within the scope of social responsibility activities,
- Continuity of compliance with legal regulations is ensured.



Our Risk Management Cycle

We have established a risk management cycle for the implementation of an effective risk management process. With this framework, we create sustainable risk management plans in our company.

Maintaining risk management requires strong and sustainable commitments by the company's management, as well as strategic and careful planning to ensure its ongoing effectiveness and meet commitments at all levels.

In order for our commitments to be sustainable, we consider the approved risk management policy in line with the company culture, risk management performance indicators adopted in line with the company's performance indicators, risk management targets aligned with the company's goals and strategies, and compliance with laws and regulations.

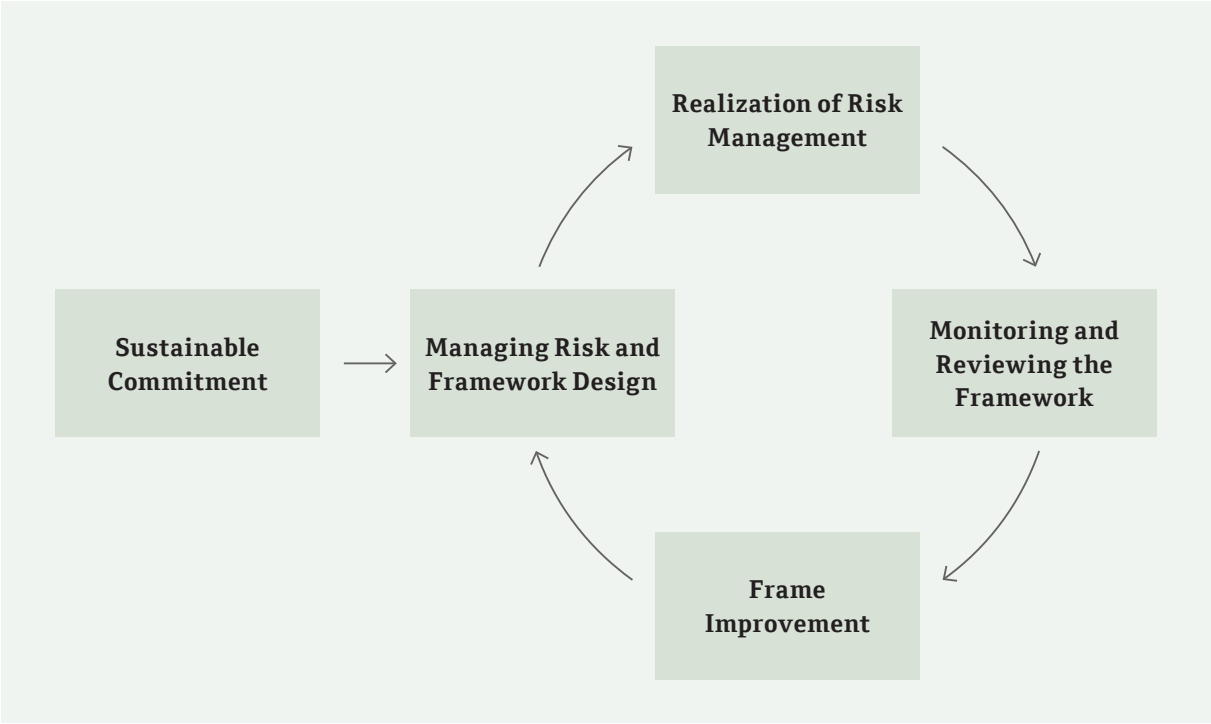
Stakeholders are contacted and consulted in order to implement the company's framework regarding risk management, to define the appropriate timing and strategy, to implement the risk management policy and process, to comply with the legal and regulatory requirements, to ensure the dissemination

of training and information, and to ensure that the risk management framework is appropriate.

Risk management is carried out by committing to the implementation of the risk management process through a risk management plan at all relevant levels and practices of the company as part of the processes.

To demonstrate that risk management is effective and continuous to support the company's performance risk management performance is measured according to the indicators reviewed periodically in terms of compliance, periodic monitoring of the process according to the risk management plan and deviations from it is reported on the progress of the risk according to the plan and the monitoring of the risk management policy and the effectiveness of the risk management framework is reviewed.

Depending on the results of monitoring and review, decisions are made on how to improve the risk management framework, policy and plan, and framework design is made in accordance with these decisions.





Business Continuity

Being prepared and organized against possible disasters requires having a detailed and organized business continuity plan in which priorities and critical processes are determined, changes are followed. We have a detailed «Business Continuity and Emergency and Contingency Plan» to prevent emergency and contingency situations from creating consequences that will adversely affect the ordinary operation of the company and to ensure that the company can continue to provide its usual services during and after the emergency. In the event of natural disasters to be evaluated within the scope of emergency and unexpected situation, our priority is to protect the life safety of the personnel and the customer.

Our Business Continuity planning includes taking measures to be prepared for these risks as well as evaluating the risks related to the continuation of business operations and processes. Business processes include people, resources (buildings, hardware, telephones, and other communication tools), physical data (files, computer files, etc.), and automated systems that are centralized or decentralized. Our continuity plan aims to ensure an acceptable level of business continuity of critical processes in the event of a disruption or lack of resources as a result of a disaster or other major service disruptions.

The most important element of success in business continuity planning is information systems recovery planning. All kinds of records, valuable documents and information stored electronically about our company are classified by the relevant process owners and reviewed regularly. As a result of this classification, all kinds of information determined as valuable data, all kinds of records and valuable documents that are obliged to keep in accordance with the current legislation are backed up electronically under the supervision of the Emergency and Contingency Officer in accordance with this plan.

In order to test the preparations made by the Information Systems against a disaster, trials and feedback attempts are made through the scenarios. These tests are carried out at least once a year. Every week on Friday, the return tests of the important servers are carried out and recorded.

ISO 27001 Information Systems Management Systems (SEE: APPENDIX 8) and ISO 45001 Occupational Health and Safety Management Systems, the audits of Business Continuity, Emergency and Contingency Plan and Emergency Plan within the scope of ISO and the audits of the Information System Department are carried out regularly every year with an independent audit institution.

Our goal is to conduct "Smart Industry Readiness Index" audits for our Information Systems Audit and Digitalization level in the Turquality process next year.

Our Value Chain

SASA Polyester Sanayi A.Ş. has increased from 68th to 38th place in Turkey's 500 Large Industrial Enterprises 2020 Report of Istanbul Chamber of Industry (ISO). In addition, our company ranks 111th in Turkey in 2019 export ranking. As a company, the effectiveness of our supply chain is on an international scale, so we have a complex and integrated supply chain consisting of main chains before, during and after the process. In line with the corporate governance principles we follow, we are a member of the EcoVadis global platform to strengthen our ethical supply chain and reduce corporate footprints, and this supervisory cooperation guides us to accelerate our responsible sourcing program. In 2020, we

were ranked as a Silver EcoVadis company. Based on this evaluation, we determine strategies for how to maximize our current supply chain mechanism in the coming years.

We are aware that Value Chain management is one of the most important factors affecting the success and competitiveness of our company. For this reason, we express our activities in the form of a value chain in connection with each other so that the costs and differentials of existing and potential resources in the supply chain can be revealed. Our value chain consists of three main chains: before the procedure, procesure, and after the procedure.

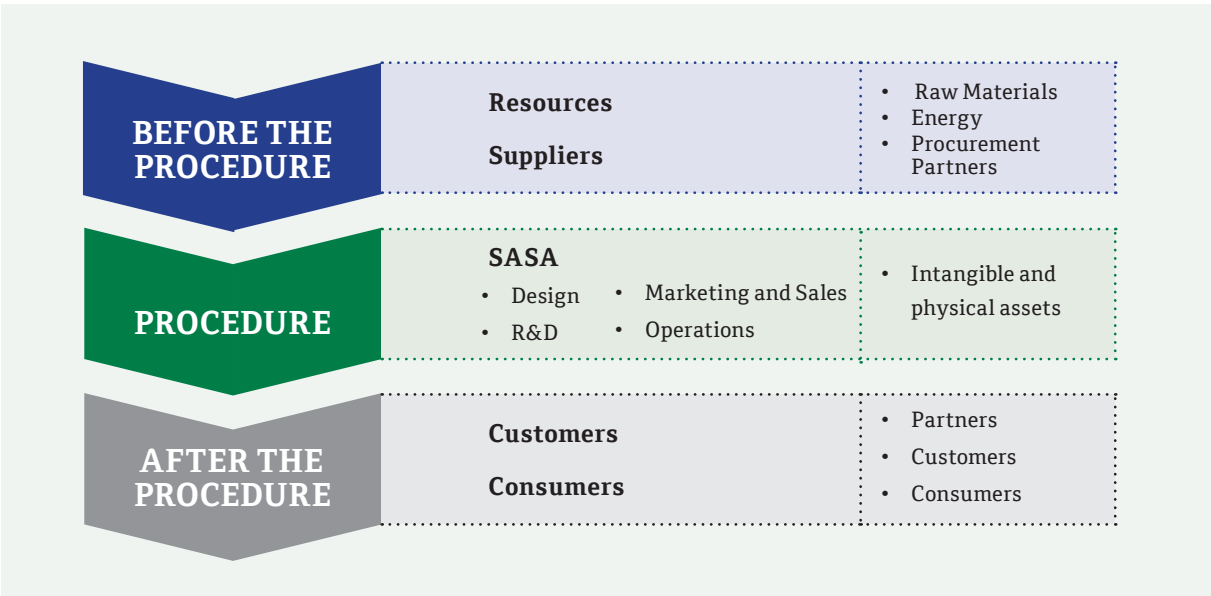
Before the Procedure

Natural Resources and Energy are our pre-process resources. We use six kinds of raw materials in production. We supply two of our main raw materials from a petrochemical company based in Turkey.

We have twenty-three suppliers in total and we supply products for four main raw materials with

thirteen suppliers. We have ten suppliers for our other two spot raw materials

We have a total of four procedures for our supplier relations. These procedures ensure close working, collaboration and feedback system with suppliers.





With our approved supplier selection procedure, we ensure that suppliers are selected according to certain criteria. Thus, we ensure the continuity and improvement of quality in our company. With the "Supplier Pre-Assessment Form", the qualifications of our company are measured within the specified criteria in order to be included in the approved supplier list.

In addition, the documents we request from the supplier candidates who will supply materials, raw and auxiliary chemicals to our company for the first time in order to ensure the quality of the product are as follows:

- Safety Data Sheet conforming to 91 / 155 / EEC format
- Certificate of Analysis
- Test Methods
- Specifications

We also carry out the Supplier Performance Evaluation Procedure for the evaluation, classification or removal of the existing suppliers from the list.

Our Supplier Audit Procedure is carried out by preparing the annual audit plan for the existing suppliers, including the suppliers in the audit process and auditing. We conduct our evaluation of suppliers by scoring with the "Supplier Audit Evaluation Form" in this scoring, we prioritize the following ESG - related issues and prioritize our relationships with suppliers who have work in these areas.

- Are child labourers employed?
- Is the code of ethics applied? Are human rights (race, gender, religion, etc.) discriminated against?
- Is risk assessment performed for suppliers? Is there a procedure or risk management system?
- Is there carbon footprint tracking? - Is there a tracking system and target?
- Is there a social responsibility policy/ procedure?

We have a Supplier-Based Non-Conformance Management Procedure for the notification, recording, permanent resolution and improvement of non-conformities arising from the supplier.

Our company has adopted the principle of sustainable development, including respect for accepted standards related to the environment, human rights, work and ethical values. For this reason, it wants to ensure that it complies with the standards given within the framework of the "Supplier Code of Conduct" from all its suppliers. [CLICK FOR DETAILED INFORMATION](#)

Our Purchasing Procedure includes the procurement of the goods and services required for all kinds of activities of our company in accordance with the standard purchasing specifications and OHS rules within the framework of the determined powers and responsibilities. In all internal and external purchases, the appropriate price level, deadline and fulfillment of legal obligations are observed. In addition, we contribute to the sustainability of our purchasing process with Purchasing Transactions, External Purchasing Transactions, Purchasing Backup Plan and Purchasing Quality Records.

With our Green Procurement Policy, [CLICK TO ACCESS OUR GREEN PURCHASING POLICY](#) we adopt the principle that our company purchases energy efficient equipment, products and services that are expected to have a significant impact on energy performance. Thus, we contribute to the reduction of greenhouse gas emissions.

Action

Within SASA, the value chain consists of Design, R&D, Marketing and Sales and Operations.

We carry out the general process steps of our company under a total of 19 headings as the main processes including managerial, operational and support (resource) processes. Each main process includes sub-processes and detail processes. In this way, we manage our complex transaction network effectively and integrally with a deductive approach. In addition, with our Process Tracking Forms, we record our developments in the process and collect information for improvements.

Our R&D department is focused on environmentally friendly projects. [CLICK FOR DETAILED INFORMATION ABOUT R&D PROJECTS.](#)

After the Procedure

With our wide range of customers, our products reach national and international companies. With our high product safety and quality standards, annual reporting, cooperation projects and communication we always establish, we lead our customers to achieve the production and consumption-related goals of sustainable development.

We develop procedures to further our relationships with our customers and increase customer satisfaction. Thus, we improve the company-customer relationship and make it continuous.

With the "Customer Marketing Relations Procedure" covering the customer marketing relations processes of our products before, during and after sales, we carry out the processes of receiving customer requests and orders, planning and realizing the production and shipment program, and providing sales and post-shipment services. In customer complaints about our products with the "Customer Service, Complaint and Compensation Procedure"; we aim to provide fast and effective feedback, to investigate the root causes, to ensure that corrective and preventive actions are taken quickly and effectively, to ensure the sharing of customer complaints in the relevant departments so that they are not repeated, to increase awareness, to measure the effectiveness of all activities and to increase customer satisfaction.

With our "Sales and Shipment Procedure", we aim to describe the practices in sales and shipment transactions and the duties, authorities and responsibilities within the framework of the said practices.

In 2020, we delivered our products to 252 customers from the fiber country and 184 from abroad. All of our domestic sales are spots. 1% of fiber export sales were realized as contracted and 99% as spot. The top 5 countries where fiber exports are made in 2020 and the percentage of sales are given in the table next to them.

Country	Sales
Italy	17%
Germany	15%
Israel	11%
Spain	9%
France	9%
Others	38%

Our domestic sales of filament products amounted to 123,000 tons and exports to 18 tons in 2020. We have 105 customers in total for our 103 domestic and 2 international filament products. While we ship our filament product all over Turkey in our domestic sales, our export customers are from Italy and Germany.

Our domestic customer number of SPC products is 142 in 2020 and all of our sales are spot. 80% of SPC export sales in 2020 were realized as contracted and 20% as spot. The top 5 countries where SPC exports made sales in 2020 and the percentage of sales are given in the next table.

Country	Sales
Germany	66 %
Italy	7%
France	5%
Portugal	3%
Spain	3%
Others	16 %

In addition, as SASA, we continue to work on this subject in line with the demands of our European customers and the conditions under which the market is evolving, in line with the demands of Bio Mass Balance (BMB) products and our eco-innovation policy.

Our Stakeholder Engagement

Stakeholders are defined as individuals or groups that may be affected by the realization and results of project activities, affect them and have a legitimate interest in them. We care about stakeholder engagement to create value from our company's ethical perspective. Due to our business model, our interaction with stakeholders is continuous and we care about the interests and needs of all our stakeholders, while also benefiting from their views while setting our goals and strategies. Thus, we enrich our value chain with the contributions of our stakeholders.

Our long-term and collaborative relationship with our stakeholders to achieve our goals contributes directly to our strategies and sustainability activities. We care about the contributions of our stakeholders who are directly involved in our value chain in order to carry our work for sustainability beyond, and we are also aware of the contribution of establishing relationships with other stakeholders consisting of NGOs, industry associations and governments.



Our responsibilities to our stakeholders on important issues are detailed in the table below:

Our Stakeholder Groups	Frequency Of Participation	Important Matters	Our Responsibility In Important Matters
Employees	Regularly	- Working Conditions - Occupational Health and Safety - Employee Retention - Employee Engagement - Payments	- Our company has human rights, ethics, diversity, occupational health and safety, privacy, bribery and corruption, hotline policies and is responsible for continuously improving these policies. CLICK HERE FOR POLICIES. - We increase employee motivation with the performance reward system. - With periodic performance evaluation, we take the opinions of our employees and create solutions that will contribute to their participation. - We have taken all necessary precautions for the health of our employees during the COVID-19 process. FOR MORE INFORMATION
Customers	Regular and Periodic	- Security - Product Quality and Safety - Climate Change - Energy Efficiency - Competitive advantage and Customer Satisfaction	- We are always ready to solve problems in advance with the risk management we create against any situation that may affect the supply of the products we deliver to the customer. FOR MORE INFORMATION - In order to take all kinds of actions to prevent climate change, it is the duty of our company to improve resource efficiency and production environmental impacts, especially in energy use and reduction of greenhouse gas emissions. For this purpose, we use appropriate raw materials and technologies in line with the sustainable strategies we have developed, and we constantly work to offer our customers products with less negative impact on the environment with R&D activities. FOR MORE INFORMATION - We always consider the demands of our customers in order to increase customer satisfaction. We take actions to improve our processes and products in line with their demands.
Shareholders	Regularly	- Return on Shareholder Investment - Sustainability	- We provide our shareholders with timely, accurate, complete and understandable information about our financial statements, strategies, investments and risk profile. We report publicly to shareholders on the Public Disclosure Platform (PDP). FOR MORE INFORMATION - We work to raise our Sustainability Index with the steps we take for sustainability. With the Sustainability Report that we will prepare from this year onwards, we inform all our shareholders transparently about our sustainability activities.



Our Stakeholder Groups	Frequency Of Participation	Important Matters	Our Responsibility In Important Matters
Suppliers	Regularly	- Security - Supplier Relation - Business Continuity	In order to improve our supplier relationship, we conduct the Supplier Performance Evaluation Procedure and the Approved Supplier Selection Procedure in our new supplier selection. In this way, we conduct safe and strong relationships with our suppliers. We also take into account the criteria we set for supplier selection in line with sustainable development goals. FOR MORE INFORMATION
Communities (Non-Governmental Organizations, Local Communities and Academy)	Regularly	- Environment - Projects for the Society - Community Relations - R&D Activities	- In accordance with our community relations policy, we are committed to working in a manner that respects the human rights, values and interests of local communities and indigenous peoples, as well as the applicable laws and regulations of the region where the projects are located. FOR MORE INFORMATION - We continuously develop our production and operational activities with our R&D projects carried out with universities and institutions. FOR MORE INFORMATION - We develop volunteer-based projects that benefit the society. FOR MORE INFORMATION
Governments and Public Institutions	Regularly	Compliance with Laws and Regulations	- From the ethical point of view of our company, we follow the laws and apply the regulations related to all our processes. - We comply with laws and regulations on climate change, greenhouse gas emissions and waste management. We are constantly expanding our policies and strategies on sustainability issues in our entire value chain voluntarily with our global responsibility awareness, and we realize our productions by considering the environmental impact of our products. Thus, we contribute to sustainable development goals.
Industrial Associations and Groups	Regularly	Contribution to Policy Development	Our company is a member of the . By participating in the meetings of these organizations, we convey our sectoral experiences and opinions. In addition, we contribute to the preparation of policies, regulations and informative documents of the relevant industrial associations and groups.



07

PERFORMANCE INDICATORS

Environmental Performance Indicators

Energy Consumption

Energy Consumption in Non-renewable Resources (GJ)

	2018	2019	2020
Natural Gas	2,589,993	2,163,431	2,430,288
Coal	-	1,074,276	1,723,816
Diesel	11,101	12,687	21,780
LPG	2,164	2,219	2,424
Industrial Waste	143,890	147,933	144,291
Total	2,747,148	3,400,547	4,322,599

Energy Consumption in Renewable Resources (GJ)

	2018	2019	2020
Biomass	77,605	70,361	116,325
Electricity Consumption (GJ)	849,242	964,38	1,659,276
Total Energy Consumption (GJ)	3,673,995	4,435,288	6,098,200

Greenhouse Gas Emissions

Greenhouse Gas Emission (tCO₂e)

	2018	2019	2020
Scope 1	220,424	300,024	391,641
Scope 2	109,954	124,862	215,606
Total (Scope 1 and 2)	330,378	424,886	607,247

Greenhouse gas emission reduction - Offset projects (tCO₂e)

	2018	2019	2020
	-	9,609	12,087

Water Management

Amount of water draw according to the type of welding (m³)

	2018	2019	2020
Groundwater	3,276,569	3,003,898	4,423,154

Amount of water discharge according to source types (m³)

	2018	2019	2020
Surface water	953,521	1,274,129	1,359,069

Waste Management

Amount of hazardous wastes recycled /recovered (tons)

	2018	2019	2020
Chemical	2,645	1,297	733
Contaminated packaging	68	32	113
Electronic waste	3	2	2
Total	2,716	1,332	848

Amount of non-hazardous waste recycled /recovered (tons)

	2018	2019	2020
Paper	222	343	2,386
Plastic	2,157	3,974	7,322
Metal	2,951	1,313	1,730
Wooden	1,175	1,261	4,426
End-of-life tyre	-	-	8,339
Total	6,505	6,892	24,203

*Our recyclable hazardous and non-hazardous wastes are dispatched to licensed recycling facilities located outside our facilities.

Amount of hazardous wastes disposed of (tons)

	2018		2019		2020	
	Off-site	In-house	Off-site	In-house	Off-site	In-house
Incineration (energy recovery)	834	5,729	451	5,890	609	5,745
Incineration (without energy recovery)	-	-	-	-	1	-
Landfilling	1	-	2	-	1	-
Total	835	5,729	452	5,890	611	5,745

**Our non-recyclable hazardous wastes are disposed of within our own facility or by other licensed institutions.

Quantity of non-hazardous wastes disposed of (tons)

	2018	2019	2020
Incineration (energy recovery)	122	99	3

***Our non-recyclable non-hazardous wastes are dispatched to licensed incineration facilities.

Social Performance Indicators

Human Resource Management

Total number of employees

2018	2019	2020
1512	1978	4022

Total number of contracted employees

2018	2019	2020
2538	4099	1378

The type of work contract employees commonly do

CONSTRUCTION
MOUNTING

Distribution of employees by gender and type of work

	2018		2019		2020	
	Female	Male	Female	Male	Female	Male
Full-time employees	58	1453	64	1913	74	3946
Part-time employees		1		1		2

	2018				2019				2020			
	White Collar		Blue Collar		White Collar		Blue Collar		White Collar		Blue Collar	
	Number	Rate %	Number	Rate %	Number	Rate %	Number	Rate %	Number	Rate %	Number	Rate %
Male	344	87.98	1110	99.02	379	87.94	1535	99.22	528	90.10	3420	99.53
Female	47	12.02	11	0.98	52	12.06	12	0.78	58	9.90	16	0.47
Total	391	100	1121	100	431	100	1547	100	586	100	3436	100

Duration of training given to the personnel

	2018	2019	2020
Average (person/hour)	20.05	22.19	16.68
Total (hours)	30,315	43,891	67,102

Number of personnel returning to work at the end of parental leave

	2018	2019	2020
Female	2	3	1
Male	53	77	161

Number of employees on parental leave

	2018	2019	2020
Female	2	3	1
Male	53	77	161

Number and ratio of new personnel by age and gender (%)

	2018				2019				2020			
	Female		Male		Female		Male		Female		Male	
	Number	Ratio	Number	Ratio	Number	Ratio	Number	Ratio	Number	Ratio	Number	Ratio
< 30 years old	12	3.2	185	49.6	5	0.8	448	69.5	9	0.4	1725	73.0
30 - 50 years old	1	0.3	157	42.1	8	1.2	176	27.3	7	0.3	604	25.5
> 50 years old	0	0	18	4.8	1	0.2	7	1.1	0	0	17	0.7
Total	13	3.5	360	96.5	14	2.2	631	97.8	16	0.7	2346	99.3

Number and rate of staff leaving the job by age and gender (%)

	2018		2019		2020	
	Female	Male	Female	Male	Female	Male
< 30 years old	3	17	4	53	2	176
30 - 50 years old	7	90	1	94	4	98
> 50 years old		30	3	27	-	37
Total	10	139	8	174	6	311

Average training time given to staff by gender (hours)

	2018	2019	2020
Female	19.82	21.63	17.45
Male	20.28	22.75	15.91

Percentage of those in the board of directors and senior management by gender (%)

	2018	2019	2020
Female	0	0	0
Male	100	100	100

Percentage of those in the board of directors and senior management by age distribution (%)

	2018	2019	2020
< 30 years old	-	-	-
30 - 50 years old	50	50	14
> 50 years old	50	50	86

Unionization rate among the personnel (%)

	2018	2019	2020
	35%	25%	12%

Average training time given to personnel according to employee type (hours)

	2018	2019	2020
Technical	21.6	20.87	16.54
Administrative	16.35	22.37	16.35
Production	22.2	23.33	17.15

Percentage of personnel in the employee category by gender (%)

	2018	2019	2020
Female	4%	3%	2%
Male	96%	97%	98%

Percentage of personnel in the employee category by age distribution (%)

	2018	2019	2020
< 30 years old	23%	34%	53%
30 - 50 years old	73%	62%	44%
> 50 years old	4%	4%	3%

Occupational Health and Safety

Number of personnel and subcontractors within the scope of occupational health and safety

	2018		2019		2020	
	Staff	Subcontractor	Staff	Subcontractor	Staff	Subcontractor
Those within the scope of occupational health and safety	1512	2538	1978	4099	4022	1378
Those within the scope of occupational health and safety who have undergone internal audit	1512	2538	1978	4099	4022	1378
Those covered by occupational health and safety audited or certified by a third party	1512	2538	1978	4099	4022	1378

Total number and rate of work-related recordable cases (%) (TRC)

	2018		2019		2020	
	Number	Rate (200.000 hours)	Number	Rate (200.000 hours)	Number	Rate (200.000 hours)
Staff	14	1.06	13	0.78	91	3.21
Subcontractor	41	3.7	102	5.33	158	7.85

Annual working time of the personnel (hours)

	2018	2019	2020
Staff	2,638,781	3,338,894	5,671,706
Subcontractor	2,217,735	3,981,540	4,097,302

Main types of work-related injuries

Squeeze
Slip/Fall
Strike
Being cut

Number and rate of work-related serious injuries (%)

	2018		2019		2020	
	Number	Rate (200.000 hours)	Number	Rate (200.000 hours)	Number	Rate (200.000 hours)
Staff	0	0	0	0	2	0.071
Subcontractor	0	0	0	0	0	0

Number and rate of fatality as a result of work-related injuries (%)

	2018		2019		2020	
	Number	Rate (200.000 hours)	Number	Rate (200.000 hours)	Number	Rate (200.000 hours)
Staff	0	0	0	0	1	0.035
Subcontractor	0	0	0	0	0	0

APPENDIX – 1 ISO 14001 CERTIFICATE



**BUREAU
VERITAS**

Bureau Veritas Certification

SASA POLYESTER SANAYİ A.Ş.

SARIHAMZALI MAH.TURHAN CEMAL BERİKER BULVARI NO:559 SEYHAN, ADANA, TURKEY

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 14001:2015

Scope of certification

FOREIGN TRADE, CUSTOMS CLEARANCE, MANAGEMENT AND ADMINISTRATIVE AND ORGANISATIONAL ACTIVITIES AND RELATED TRANSACTIONS WITH THESE ACTIVITIES AND CONNECTED TO THEM PRODUCTION (DMT/DIMETIL TEREPHTHALATE) SPECIALITY POLYMERS AND CHEMICALS, FIBERS AND YARN) RESEARCH & DEVELOPMENT, MARKETING AND SALES DELIVERY OF SERVICES

Original Cycle Start Date: **01-10-2015**

Expiry Date of Previous Cycle: **NA**

Certification / Recertification Audit date: **NA**

Certification / Recertification cycle start date: **10-09-2021**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **12-09-2024**

Certificate No.: **TR010893** Version: **1** Issue Date: **10-09-2021**



Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: Esas Maltepe Ofispark Altayçeşme Mah. Çamlı Sok. No: 21 Kat: 8 Maltepe, İstanbul, 34843 Turkey

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +90 216 518 40 50



0008



1/1

APPENDIX – 2 ISO 50001 CERTIFICATE



**BUREAU VERITAS
Certification**

SASA POLYESTER SAN. A.Ş.

HEAD OFFICE: YOLGEÇEN MAH. TURHAN CEMAL BERİKER
BULVARI NO :559 SEYHAN, ADANA, TURKEY

THIS IS A MULTI-SITE CERTIFICATE, ADDITIONAL SITE DETAILS
ARE LISTED IN THE APPENDIX TO THIS CERTIFICATE

*Bureau Veritas Certification Holding SAS – UK Branch certify that the
Management System of the above organisation has been audited and
found to be in accordance with the
requirements of the management
Standard*

ISO 50001:2018

Scope of certification

**PRODUCTION OF DIMETHYL TEREPHTHALATE, POLYESTER STAPLE
FIBER, TOW, PRE-ORIENTED YARN (POY), TEXTILE-GRADE CHIPS AND
AMORPH CHIPS FROM CONTINUOUS POLYMERIZATION, SPECIALTY
POLYMERS AND CHEMICALS FROM BATCH AND SOLID STATE
POLYMERIZATION (SSP), PRE-ORIENTED YARN (POY) FROM BATCH
EXTRUDERS AND TEXTURIZED, FLAT YARN AND TOPS**

Original cycle start date: **15 June 2017**

Expiry date of previous cycle: **14 June 2020**

Certification / Recertification Audit date: **26 February 2020**

Certification / Recertification cycle start date: **15 June 2020**

Subject to the continued satisfactory operation of the organization's Management
System, this certificate expires on: **14 June 2023**

Certificate No: **IND.20.9045/EN/U** Version No: 1 Revision date: **15 June 2020**



İBRAHİM TAGAY
Signed on behalf of
BVCH SAS UK Branch




Certification body address : 5th floor, 66 Prescott Street, London, E1 8HG, United Kingdom
Local office: Esas Maltepe Ofispark Altayçeşme Mah. Çamlı Sok. No: 21 Kat: 8 34843 Maltepe, İstanbul, Turkey
Further clarifications regarding the scope of this certificate and the applicability of the management system
requirements may be obtained by consulting the organization.
To check this certificate validity please call +90 216 518 40 50.
BV_M_25_Rev.A01

UKAS Certificate Template multisite rev3.3 1 / 2 March 01, 2019



BUREAU VERITAS
Certification

SASA POLYESTER SAN. A.Ş.
Standard

ISO 50001:2018
Scope of certification

SITE	SITE ADDITION DATE	ADDRESS	SCOPE
HEAD OFFICE / ADANA	15.06.2017	YOLGEÇEN MAH. TURHAN CEMAL BERİKER BULVARI NO :559 SEYHAN, ADANA, TURKEY	PRODUCTION OF DIMETHYL TEREPHTHALATE, POLYESTER STAPLE FIBER, TOW, PRE-ORIENTED YARN (POY), TEXTILE-GRADE CHIPS AND AMORPH CHIPS FROM CONTINUOUS POLYMERIZATION, SPECIALTY POLYMERS AND CHEMICALS FROM BATCH AND SOLID STATE POLYMERIZATION (SSP), PRE-ORIENTED YARN (POY) FROM BATCH EXTRUDERS AND TEXTURIZED, FLAT YARN AND TOPS
İSKENDERUN TANK SIDE AND FILLING FACILITY	15.06.2017	GÜZELÇAY MAH. 616. SOK NO:6 İSKENDERUN, HATAY, TURKEY	STORAGE AND DISPATCH OF RAW MATERIALS

Certificate No. IND.20.9045/EN/U Version No : 1 Revision date : 15 June 2020



İBRAHİM TAGAY
Signed on behalf of
BVCH SAS UK Branch

Certification body address : 5th floor, 66 Prescott Street, London, E1 8HG, United Kingdom
Local office: Esas Maltepe Ofispark Altayçeşme Mah. Çamlı Sok. No: 21 Kat: 8 34843 Maltepe, İstanbul, Turkey
Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.
To check this certificate validity please call +90 216 518 40 50.
BV_M_25_Rev.A01

UKAS Certificate Template multisite rev3.3 2 / 2 March 01, 2019




APPENDIX -3 ISO 14064 VERIFICATION REPORT



SASA POLYESTER SAN. A.Ş.
Yolgeçen Mah. Turhan Cemal Beriker Bulvarı
No:559 Pk:01355 Seyhan Adana

To whom it may concern,

This letter is presented to SASA POLYESTER SAN. A.Ş. to present opinion of the Bureau Veritas Certification Turkey on the Greenhouse Gases Verification for the period 1 January 2020 to 31 December 2020.

Bureau Veritas Turkey consent to release of this letter by you to the Carbon Disclosure Project in order to satisfy the terms of CDP disclosure requirements. Bureau Veritas Turkey not accepts or assumes any responsibility or liability on our part to CDP or to any other party who may Access to this letter or assurance report.

SASA POLYESTER SAN. A.Ş. commissioned Bureau Veritas to perform a verification of its 2020 GHG Inventory. The verification was performed on January 2022.

The GHG assertions verified were the following:

1. That the 2020 GHG Inventory for SASA POLYESTER SAN. A.Ş. has been developed in accordance with common industry practice, including ISO 14064-1:2006 Standard.
2. That the calculated Scope 1, Scope 2 and Scope 3 emissions for the 2020 are **607.902,5 tons of CO₂e** (the emission sources included for each source has been given in verification report)

The verification task was to form an opinion at a reasonable level of assurance about the above GHG assertions, regarding:

1. Conformance with the general requirements of ISO 14064-1.
2. Reasonableness of the calculated Scope 1, Scope 2 and Scope 3 emissions for the 01.01.2020-31.12.2020.

The verification performed by Bureau Veritas applied ISO 14064-3 International Standard for GHG verifications. The following verification activities were conducted:

1. Review of documentation, controls and methodologies, including other verification reports,
2. Assessment of risks and verification planning,
3. Assessment of documentation, controls and methodologies, including the facility quality management systems,
4. Documentation of verification findings and outstanding issues in verification report,
5. Assessment and documentation of resolutions to outstanding issues in verification report,
6. Issuance of verification statement and completion of verification.

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Fax:+90 (0 242) 243 30



GHG Assertion #1: The GHG inventory conforms to the general requirements of ISO 14064-1 Standard.

GHG Assertion #2: 607,902,5 tons CO₂e of which 391,640,75 tons of CO₂e direct emissions (Scope 1), 215,606,52 ton of CO₂e energy indirect emissions (Scope 2), 655,21 ton of CO₂e other indirect emissions (Scope 3) are reasonable. (The emission sources included for each category has been given in verification report)

View Declaration

The greenhouse gas emission data (Scope 1, Scope 2 and Scope 3) for 2020 has been verified as a result of verification audit held on the basis of international standards has been verified with reasonable assurance.

Verifier Opinion and Qualifications

Based on the process and procedures conducted, the GHG assertion is prepared in accordance with the requirements of ISO 14064-1.

Based on the process and procedures conducted, the GHG assertion is materially correct and is a fair representation of the GHG data and information.

Date: 13 JANUARY 2022

Egemen BELET
Lead Verifier

İbrahim TAGAY
Certification Manager

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Fax: +90 (0242) 243 30

APPENDIX – 4 ZERO WASTE CERTIFICATE



T.C.
ADANA VALİLİĞİ
Çevre ve Şehircilik İl Müdürlüğü

Belge No: TS/1/B2/15/2

Tarih: 18/03/2020

SIFIR ATIK BELGESİ
(Temel Seviye)

Adı : SASA POLYESTER SAN. A.Ş.
Adresi : ADANA, SARIHAMZALI Mahallesi, TURHAN CEMAL BERİKER BULVAR, No: 559-,
SEYHAN, Türkiye
Vergi No : 7520002730

12/07/2019 tarihli ve 30829 sayılı Resmi Gazete'de yayımlanarak yürürlüğe giren Sıfır Atık Yönetmeliği'nce Sıfır Atık Yönetim Sistemi'ni kurarak **Sıfır Atık Belgesi**'ni almaya hak kazanmıştır.

Belge Son Geçerlilik Tarihi: 18/03/2025

 e-imzalıdır
Halit ERGİN
Çevre ve Şehircilik İl Müdürü

Not: 5070 sayılı Elektronik İmza Kanunu gereği bu belge elektronik imza ile imzalanmıştır.
Evrak Doğrulama Kodu : PARYRMXV Evrak Takip Adresi: <https://www.turkiye.gov.tr/cevre-ve-sehircilik-bakanligi>

APPENDIX -5 ISO 45001 CERTIFICATE



Bureau Veritas Certification

SASA POLYESTER SANAYİ A.Ş.

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ISO 45001:2018

Scope of certification

FOREIGN TRADE, CUSTOMS CLEARANCE, MANAGEMENT AND ADMINISTRATIVE AND ORGANISATIONAL ACTIVITIES AND RELATED TRANSACTIONS WITH THESE ACTIVITIES AND CONNECTED TO THEM PRODUCTION (DMT/DIMETIL TEREPHTHALATE) SPECIALITY POLYMERS AND CHEMICALS, FIBERS AND YARN) RESEARCH & DEVELOPMENT, MARKETING AND SALES DELIVERY OF SERVICES

Original Cycle Start Date: 18-10-2019

Expiry Date of Previous Cycle: NA

Certification / Recertification Audit date: NA

Certification / Recertification cycle start date: 10-09-2021

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 12-09-2024

Certificate No.: TR010894 Version: 1 Issue Date: 10-09-2021

Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

Local Office: Esas Maltepe Olispark Altayçeşme Mah. Çamlı Sok. No: 21 Kat: 8 Maltepe, İstanbul, 34843 Turkey

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +90 216 518 40 50



0008



APPENDIX – 6 OUR PATENTS

(19) 

(12) EUROPEAN PATENT APPLICATION

(43) Date of publication: **28.07.2010 Bulletin 2010/30**

(21) Application number: **09151266.5**

(22) Date of filing: **28.07.2009**

(84) Designated contracting states: **AT BE BG CH CY DE DK EE FI FR GB GR HU IE IT LI LU MT NL PT RO SI SK TR**

(71) Applicant: **34330 Istosol AG**

(54) **Produktionsverfahren zur Herstellung einer Mischung aus Polymeren und Nanopartikeln**

(57) The process for producing a mixture of polymers and nanoparticles, comprising the steps of: (a) providing a mixture of polymers and nanoparticles; (b) mixing the mixture; (c) drying the mixture; (d) granulating the mixture; (e) packaging the mixture.

(11)  **EP 2 210 911 A1**

(51) Int. Cl.: **C08G 63/52 (2006.01)**; **C08F 257/00 (2006.01)**; **C09D 151/00 (2006.01)**; **C08G 63/54 (2006.01)**; **C08F 279/02 (2006.01)**; **D21H 19/20 (2006.01)**

(19) 

(12) EUROPEAN PATENT APPLICATION

(43) Date of publication: **28.07.2010 Bulletin 2010/30**

(21) Application number: **09151266.5**

(22) Date of filing: **28.07.2009**

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(71) Applicant: **34330 Istosol AG**

(54) **Produktionsverfahren zur Herstellung einer Mischung aus Polymeren und Nanopartikeln**

(57) The process for producing a mixture of polymers and nanoparticles, comprising the steps of: (a) providing a mixture of polymers and nanoparticles; (b) mixing the mixture; (c) drying the mixture; (d) granulating the mixture; (e) packaging the mixture.

(11)  **EP 3 257 886 A1**

(51) Int. Cl.: **C08G 63/52 (2006.01)**; **C08F 257/00 (2006.01)**; **C09D 151/00 (2006.01)**; **C08G 63/54 (2006.01)**; **C08F 279/02 (2006.01)**; **D21H 19/20 (2006.01)**

(19) 

(12) EUROPEAN PATENT APPLICATION

(43) Date of publication: **28.07.2010 Bulletin 2010/30**

(21) Application number: **09151266.5**

(22) Date of filing: **28.07.2009**

(84) Designated contracting states: **AT BE BG CH CY DE DK EE FI FR GB GR HU IE IT LI LU MT NL PT RO SI SK TR**

(71) Applicant: **34330 Istosol AG**

(54) **Produktionsverfahren zur Herstellung einer Mischung aus Polymeren und Nanopartikeln**

(57) The process for producing a mixture of polymers and nanoparticles, comprising the steps of: (a) providing a mixture of polymers and nanoparticles; (b) mixing the mixture; (c) drying the mixture; (d) granulating the mixture; (e) packaging the mixture.

(11)  **US 9,373,737 B2**

(10) Patent No.: **US 9,373,737 B2**

(45) Date of Patent: **Jun. 21, 2016**

(54) **BIAXIALLY STRETCHED POLYMER FILM COMPRISING A DECARBOXYLATION CATALYST, ITS USE IN ELECTRICAL INSULATION APPLICATIONS, AND PROCESS FOR ITS PRODUCTION**

(75) Inventors: **Holger Kliesch, Griesheim (DE); Bodo Kuhlmann, Runkel (DE); Dagmar Klein, Ockenheim (DE); Annegrete Bursch, Ruedesheim (DE); Rainer Kurz, Bad Schwalbach (DE); Dirk Broeder, Schweppenhausen (DE); Ahmet Celalettin Turan, Adana (TR); Engin Kucukaltun, Adana (TR); Murat Kolhaci, Adana (TR)**

(73) Assignees: **Mitsubishi Polyester Film GmbH, Wiesbaden (DE); Advansa SaSa Polyester Sanayi A.S., Adana (TR)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 658 days.

(21) Appl. No.: **12/777,295**

(22) Filed: **May 11, 2010**

(65) **Prior Publication Data**
US 2010/0292375 A1 Nov. 18, 2010

(30) **Foreign Application Priority Data**
May 15, 2009 (DE) 10 2009 021 566

(51) Int. Cl.: **C08K 3/16 (2006.01)**; **H01L 31/048 (2014.01)** (Continued)

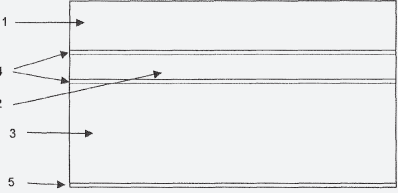
(52) U.S. Cl.: **H01L 31/048 (2013.01); B32B 27/08 (2013.01); B32B 27/18 (2013.01); B32B 27/20 (2013.01); B32B 27/36 (2013.01); C08J 5/18 (2013.01)**

(58) **Field of Classification Search**
CPC C08K 3/16; C08K 3/32; C08K 3/01; C08K 5/0091; C08K 13/02; C08K 2201/019; C08L 67/09; C08L 67/02; C08L 67/03; B29D 7/01; C08J 5/18; B29C 55/005; B29K 2067/00; 2067/06; B32B 27/36
USPC 524/114, 317; 523/500
See application file for complete search history.

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OTHER PUBLICATIONS
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(Continued)
Primary Examiner — Richard A Huhn
(74) Attorney, Agent, or Firm — ProPat, L.L.C.

(57) **ABSTRACT**
Biaxially stretched film with polymeric constituents formed mainly of polyester in which the film includes at least one copper salt and one halide, with the resulting film having an AC (alternating current) dielectric strength of at least 100 kV/mm at 23° C. and 50 Hz. The invention further relates to the use of the film of the invention, in particular in solar modules, and also to a process for its production.

(Continued) **20 Claims, 1 Drawing Sheet**



EP 2 210 911 A1

EP 3 257 886 A1

APPENDIX – 7 ISO 9001 CERTIFICATE



**BUREAU
VERITAS**

Bureau Veritas Certification

SASA POLYESTER SANAYİ A.Ş.

SARIHAMZALI MAH.TURHAN CEMAL BERİKER BULVARI NO:559 SEYHAN, ADANA, TURKEY

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

FOREIGN TRADE, CUSTOMS CLEARANCE, MANAGEMENT AND ADMINISTRATIVE AND ORGANISATIONAL ACTIVITIES AND RELATED TRANSACTIONS WITH THESE ACTIVITIES AND CONNECTED TO THEM PRODUCTION (DMT/DIMETIL TEREPHTHALATE) SPECIALITY POLYMERS AND CHEMICALS, FIBERS AND YARN) RESEARCH & DEVELOPMENT, MARKETING AND SALES DELIVERY OF SERVICES

Original Cycle Start Date:

30-09-2014

Expiry Date of Previous Cycle:

NA

Certification / Recertification Audit date:

NA

Certification / Recertification cycle start date:

10-09-2021

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on:

12-09-2024

Certificate No.:

TR010668

Version:

1

Issue Date:

10-09-2021



Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

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Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +90 216 518 40 50



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Bureau Veritas Certification

SASA POLYESTER SANAYİ A.Ş.

ISO 9001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
HEAD OFFICE	SARIHAMZALI MAH.TURHAN CEMAL BERIKER BULVARI NO:559 SEYHAN, ADANA, TURKEY	FOREIGN TRADE, CUSTOMS CLEARANCE, MANAGEMENT AND ADMINISTRATIVE AND ORGANISATIONAL ACTIVITIES AND RELATED TRANSACTIONS WITH THESE ACTIVITIES AND CONNECTED TO THEM PRODUCTION (DMT/DIMETIL TEREPHTHALATE) SPECIALITY POLYMERS AND CHEMICALS, FIBERS AND YARN) RESEARCH & DEVELOPMENT, MARKETING AND SALES DELIVERY OF SERVICES
SITE	E-91 KARAYOLU PK.91 AKÇAY, İSKENDERUN, HATAY, TURKEY	STORAGE AND DISPATCH OF RAW MATERIALS

Certificate No.: TR010668

Version: 1

Issue Date: 10-09-2021

Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

Local Office: Esas Maltepe Ofispark Altayçeşme Mah. Çamlı Sok. No: 21 Kat: 8 Maltepe, İstanbul, 34843 Turkey

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +90 216 518 40 50



0008



APPENDIX – 8 ISO 27001 CERTIFICATE

BUREAU VERITAS
Certification



SASA POLYESTER SANAYİ A.Ş.

HEAD OFFICE: YOLGEÇEN MAH. TURHAN CEMAL BERİKER
BULVARI NO: 559 01355 SEYHAN, ADANA, TURKEY

*THIS IS A MULTI-SITE CERTIFICATE, ADDITIONAL SITE DETAILS
ARE LISTED IN THE APPENDIX TO THIS CERTIFICATE*

*Bureau Veritas Certification Holding SAS – UK Branch certify that
the Management System of the above organisation has been audited
and found to be in accordance with the requirements of the management
system standards detailed below*

Standard

ISO/IEC 27001:2013

Scope of certification

**INFORMATION SECURITY MANAGEMENT SYSTEM COVERING;
SECURITY MEASURES FOR PROTECTION OF INFORMATION
ASSETS RELATED TO CUSTOMS AND FOREIGN TRADE
PROCESSES AND SUPPORTING THESE PROCESSES; LOGISTICS,
WAREHOUSEING, ACCOUNTANCY, FINANCE, SALES,
PURCHASING AND INFORMATION TECHNOLOGIES ACTIVITIES**

Statement of Applicability version and date: BG-FRM-008 R.2 22.09.2017
Original cycle start date: **08 February 2016**
Expiry date of previous cycle: **07 February 2019**
Certification / Recertification Audit date: **08 November 2018**
Certification / Recertification cycle start date: **06 March 2019**
Subject to the continued satisfactory operation of the organization's Management
System, this certificate expires on: **07 February 2022**

Certificate No. **IND.19.6580/U** Version No: **1** Revision date: **06 March 2019**


İBRAHİM TAGAY
Signed on behalf of
BVCH SAS UK Branch


0008

Certification body address: 5th floor, 66 Prescott Street, London, E1 8HG, United Kingdom
Local office: Esas Maltepe Ofispark Altaygeşme Mah. Çamlı Sok. No: 21 Kat: 8 34843 Maltepe, İstanbul, Turkey
Further clarifications regarding the scope of this certificate and the applicability of the management system
requirements may be obtained by consulting the organization.
To check this certificate validity please call +90 216 518 40 50.
BV_MST_21_Rev 01

UKAS Certificate Template multisite rev3.2 1 / 2 January 30, 2017





BUREAU VERITAS
Certification

SASA POLYESTER SANAYİ A.Ş.

Standard

ISO/IEC 27001:2013

Scope of certification

SITE	SITE ADDITION DATE	ADDRESS	SCOPE
HEAD OFFICE	06.03.2019	YOLGEÇEN MAH. TURHAN CEMAL BERİKER BULVARI NO: 559 01355 SEYHAN, ADANA, TURKEY	INFORMATION SECURITY MANAGEMENT SYSTEM COVERING; SECURITY MEASURES FOR PROTECTION OF INFORMATION ASSETS RELATED TO CUSTOMS AND FOREIGN TRADE PROCESSES AND SUPPORTING THESE PROCESSES; LOGISTICS, WAREHOUSEING, ACCOUNTANCY, FINANCE, SALES, PURCHASING AND INFORMATION TECHNOLOGIES ACTIVITIES
SITE	06.03.2019	AKÇAY MEVKİİ GÜZELÇAY MAH. 616 SOKAK NO: 6 31200 İSKENDERUN, HATAY, TURKEY	INFORMATION SECURITY MANAGEMENT SYSTEM COVERING; SECURITY MEASURES FOR PROTECTION OF INFORMATION ASSETS RELATED TO LOGISTICS AND WAREHOUSING ACTIVITIES

Certificate No. **IND.19.6580/U** Version No: **1** Revision date: **06 March 2019**



İBRAHİM TAGAY
Signed on behalf of
BVCH SAS UK Branch



0008

Certification body address: 5th floor, 66 Prescott Street, London, E1 8HG, United Kingdom
Local office: Esas Maltepe Ofispark Altayçeşme Mah. Çamlı Sok. No: 21 Kat: 8 34843 Maltepe, İstanbul, Turkey

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.
To check this certificate validity please call +90 216 518 40 50.
BV_MST_21_Rev.01

UKAS Certificate Template multisite rev3.2

2 / 2

January 30, 2017

APPENDIX 9 – COVID-19 SAFE PRODUCTION CERTIFICATE



TSE

**TSE COVID-19
SAFE PRODUCTION CERTIFICATE**



TURKISH STANDARDS INSTITUTION

verifies that

SASA POLYESTER SANAYİ A.Ş.
SARIHAMZALI MAH. TURHAN CEMAL BERİKER BULVARI NO: 559
SEYHAN – ADANA/ TÜRKİYE

has been entitled to receive **TSE COVID-19 SAFE PRODUCTION CERTIFICATE** by fulfilling **TSE COVID-19 HYGIENE INFECTION PREVENTION AND CONTROL CERTIFICATION PROGRAM.**

Certificate Number : GU-ANK-12/20

Issue Date: 22/06/2020

Valid Until : 22/06/2021

HEAD OF SYSTEM CERTIFICATION GROUP

MESUT DURU

This certificate is issued in accordance with the Law No. 132 on the establishment of the Turkish Standards Institute and is valid only for the organization address given above

062306202002530657

SASA

POLYESTER SAN. A.Ş.

FOR INFORMATION, OPINIONS AND SUGGESTIONS ABOUT THE REPORT

sustainability@sasa.com.tr

www.sasa.com.tr

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