

SODA SANAYİİ A.Ş.
2015 SUSTAINABILITY REPORT





SUSTAINABILITY REPORT 2015

ABOUT THE REPORT

With this second sustainability report, Soda Sanayii A.Ş. (“Company”) presents its sustainability performance between January 1st 2015 and December 31st 2015 to its stakeholders, in accordance with the “Core” option of GRI G4 Sustainability Reporting Guidelines.

The economic data included in the report involve all legal operations of Soda Sanayii A.Ş. in Turkey and abroad, in order to correspond to the consolidated data included in financial reports. All environmental and social indicators are related to the Company’s operations in Turkey. It is the Company’s intention to continue to expand the scope of its sustainability reporting in the upcoming periods, to cover its overseas entities.

Collecting stakeholder feedback is vital for helping us improve both our practices and reporting processes. We closely examine every issue that comes to our attention, and we use any feedback from our stakeholders to continuously improve our practices.

We invite our stakeholders to forward any opinions about the report, suggestions or complaints to:

Bediz Ezici
Process Control and Analytical Services Manager
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PROF. DR. AHMET KORMAN

Chairman

As Şişecam Group, values that we embrace are to create value for all our stakeholders with sensitivity towards individuals and environment, to shape future with products and services that makes life easier and to share the wealth we create.

Message from The Chairman

Esteemed Stakeholders,

Sharing with you our second Sustainability Report that we prepared as an important indicator of our understanding of transparency and accountability, I am glad to inform you that we are also publishing the Sustainability Reports of Şişecam Glass Packaging, Paşabahçe, and Şişecam Flat Glass simultaneously with this report, where the consolidated performance of all the companies incorporated within the body of Şişecam Group for the year 2015 is presented, and that all the reports were prepared in accordance with the internationally recognized Sustainability Reporting Guidelines (GRI G4) of the Global Reporting Initiative.

Shaping the responsible growth strategy of our Group, one of the oldest and largest institutions created by the Republic of Turkey, and constituting an important part of our business strategies, “sustainability” is one of the primary elements supporting our resolved progress towards the objective of becoming one of the top three in the global glass industry. Our enhanced performance in the issues of environmental protection, operational efficiency, and constant improvement, which we rigorously emphasize in all the activities we carry out while assertively and consistently advancing towards our objective, alongside our financial success render our power in the competitive environment sustainable.

As a global company, Şişecam continues to consolidate its position in the sectors which it operates in.

Despite the atmosphere of business life and markets which are dominated by uncertainty and inconsistency in 2015, Şişecam Group, one of the leading global players of the market, was minimally affected by all the negativities thanks to strategic foresights, precautions, and flexible management structure.

In 2015, 4.2 million tons of glass was produced in our Group, our consolidated net sales income was 7.4 billion TL, when 51% of our turnover consisted of international sales. 2.2 million tons of soda and 3.6 million tons of industrial raw material was produced; a 16% increase was achieved in soda sales revenues in TRY as against the previous year. The increase in our profitability levels, accompanying our rising capacity usage rates in line with TRY 1.1 billion of investment expenditure realized in 2015, was also maintained in 2015 and our consolidated EBITDA margin was at the level of 24%, increasing by 4 points as against the previous year.

Energy saving projects have an important place among our efforts to manage costs effectively.

The efficient use of energy, which is one of the most significant inputs in our field of operation, is one of the prioritized issues of our Group within the scope of our objective regarding the effective management of our costs in order to ensure the sustainability of our operations. The achievements we have gained in result of the importance we attribute to energy efficiency activities also contribute to the issue of combating climate change, which is the common responsibility of the business world. Our operations are carried out with the awareness of the responsibility we bear in this issue. In this regard, our total energy consumption was reduced by 4.7% as against the previous reporting period, a total of 7.7 million kWh of electricity and 3.3 million Sm³ of natural gas savings was achieved and the emission of 10,000 tCO₂ was prevented through energy saving projects.

One of the most significant elements of our global competitiveness is the advancements we achieve regarding Research and Technological Development.

In order to meet increasing and changing customer expectations, while actualizing environmentally friendly, highly competitive, innovative products, our research and technological development activities were maintained without slowing down, in 2015. Conducted in every stage of production processes from raw material to final product, our R&TD activities aim production of new products with advanced technology, besides developing investment plans regarding cost-reducing innovations and efficiency increasing products and enhancing our competitive power. One of the significant rewards for all our investments and the projects conducted was the designation of our Science and Technology Center as the “Best R&D Center” in the fields of “Glass and Glass Products” and “Cooperation and Interaction” from amongst 201 centers by the Turkish Ministry of Science, Industry and Technology.

The importance we attribute to contributing to community development is reflected by the projects we actualize in the areas of environment, education, culture, and sports.

Started in 2011 with reference to glass being the most sustainable packaging material, the “Glass and Glass Again” project, one of the most comprehensive sustainability and social responsibility projects of Turkey, is being continued. As part of the project, to this day 203 thousand primary school students were provided with training about glass recycling, around 13 thousand glass banks were donated within the context of collaborations with district municipalities, preventing dumping of over 2 billion glass bottles to trash. Great progress was achieved in relation to our objective of

using cullet as raw material, which provides major saving in energy consumption, the rate of cullet use, which was 8% in 2011, was increased to 19% in 2015.

Within the scope of the “Kazanlı Sea Turtles Project” maintained since 2007, the nesting areas of endangered “Caretta Caretta” and “Chelonia Mydas” turtles are being protected. It is intended to inform the local community regarding the issue through awareness raising activities and to benefit the sociocultural and socioeconomic life in the region through ecotourism that may be generated by the presence of endangered sea turtles.

Bearing the responsibility of keeping our cultural heritage in the area of glass alive, alongside its responsibilities in relation to the industrial race we are part of, Şişecam realizes significant activities in this field with Serçe Harbor Glass Wreck Documentary, Antique Glass Works Collection and its History-Culture-Glass themed product portfolio.

Serving young athletes and aspiring athletes in the branches of sailing, rowing, and canoeing and raising national athletes, Şişecam Çayırova Sports Club continues to be our source of pride with the successes achieved by its athletes.

Our productive and talented workforce is one of the most significant determinants of our outstanding achievements and global competitive power.

Şişecam Group pursues its businesses with the objective of incorporating and retaining the innovative manpower who learns together and creates value on a global scale, for sustainable success. Ensuring the continuity of a workplace where our employees can work safely and comfortably is among our priorities. In this regard, besides improving our human resources management,

various practices that we actualized for generalizing and consolidating Occupational Health and Safety awareness are still continued.

Our sustainability approach perpetuates the value we generate.

The activities we conduct with a corporate approach and within a strategic plan as Şişecam Group will continue in full course with the objectives of achieving operational excellence by using our knowledge accumulation and resources most efficiently, and consolidating our position in the sector.

I extend my gratitude and regards to all our stakeholders who have a share in carrying the value we generate as a global company to its current level and reaching the levels we aim for in global competition.

Sincerely,

Prof. Dr. Ahmet Kirman
Chairman



TAHSİN BURHAN ERGENE

Chemicals Group President

Message from Chemicals Group President

I present my compliments and thanks to all our stakeholders, primarily our employees, who have a share in the successes we have achieved as Soda Sanayii A.Ş., contributing to the realization and further advancement of our sustainability objectives.

Esteemed Stakeholders,

I am pleased to present you with this second Sustainability Report which is offering an overview of our performance in the year 2015 and prepared in compliance with the Global Reporting Initiative GRI G4 Sustainability Reporting Guidelines.

Despite tough market conditions in 2015, as Soda Sanayii A.Ş. we managed to realize a total of 2.2 million tons of soda production in our 3 sites globally. Thanks to our product and service quality, market diversification, and penetration in target markets we succeeded in increasing our sales revenues by 10% YoY. Besides, we realized 4.2 million tons of steam production and 1.7 billion kWh electricity generation and sales through our Cogeneration Plant with a capacity of 252 MW. Positioned as the fourth largest soda producer in Europe, and the tenth in the world, our Company has maintained its leading position in the field of chrome chemicals. In 2015, within the scope of capacity increase, renovation and modernization studies, we have invested 77 million USD for strengthening operational performance, reducing energy costs and increasing the production efficiency.

Due to the fact that energy management is significantly important in our processes, as we operate in an energy

intensive sector, we duly meet the requirements of the energy management system in our operations and we work to ensure continuous improvement in our energy consumption rates. In this regard, we have achieved a 7% improvement in energy consumption per ton of soda produced within the last 5 years, thereby contributing to the issue of combating climate change, which is the common problem of our world.

As water is of vital importance for the sustainability of our production processes and for the product quality, efficient use of water has a considerable impact on our operations. For this reason, we constantly monitor water usage rates and implement efficiency projects. Besides consuming process water at a level below the BREF (Best Available Techniques Reference Document) values also approved by European Soda Ash Producers Association (ESAPA), we also recycle and reuse most of the water used in our production processes.

Occupational Health and Safety is one of the issues we particularly emphasize for our employees to work in safe and proper conditions. In addition to our projects and practices, we organize training activities aimed at spreading occupational health and safety culture and raising awareness among our employees and business

partners. In this regard, we have provided occupational health and safety trainings for our employees and employees of our business partners, in the reporting period.

As contribution to community development is an important component of our sustainability approach, we strive to be an institution which adds value to society and we implement social responsibility projects devoted to the well-being of the local community. With regard to our initiative for the protection of the habitat, we organize tree-planting activities and we care of the nesting areas of endangered "Caretta Caretta" and "Chelonia Mydas" turtles within the scope of the "Kazanlı Sea Turtles Project", since 2007.

I present my compliments and thanks to all our stakeholders, primarily our employees, for helping us reach the success we have achieved as Soda Sanayii A.Ş. and, contributing to the realization and further advancement of our sustainability objectives.

Sincerely,



Tahsin Burhan Ergene
Chemicals Group President

ABOUT SODA SANAYİİ A.Ş.

The chemicals produced at the Soda Plant and at the Kromsan Chromium Compounds Plant, which joined the group in 1982, are supplied to various fields from detergents to chemicals and from leather to pharmaceuticals.



Şişecam Group Mission

“To be a company that adds value to life with its high quality products offering comfort and respects people, nature, and the law.”

Soda Sanayii A.Ş. Vision

“Soda Sanayii A.Ş. is a major soda ash supplier, aiming to strengthen its position in the global soda ash market and leading chromium chemicals supplier, targeting strong leadership in its all activities in the global chromium chemicals market.”

Founded in 1969 with the purpose of producing soda ash, which is one of the main resources of glass industry, Soda Sanayii A.Ş. is a leading company within Şişecam Chemicals that represents one of the four main business lines of Şişecam Group. Chemicals that have been produced at Soda Plant operating in Mersin and Kromsan Chromium Compounds Plant which joined the group in 1982, have been used as the main input in many products, in addition to glass, from detergent to chemical industry, leather to pharmaceutical manufacturing.

A partnership was taken in Sodi in 1997, the privatized Bulgarian soda producer and the partnership interest has been increased to 25% in the following years. Another partnership was taken in Italy based Cromital company in 2005, which operates in the field of chromium chemicals and that the entire company was incorporated in the Soda Sanayii A.Ş. in 2011. In 2006, Lukavac Soda Plant operating in Hungary was purchased.

The company, which has facilities in Mersin and Bosnia and production partnership at Solvay Sodi facility, is the 4th biggest soda ash producer in Europe and 10th biggest in the world with its production of 2.2 million tons of soda in total. The establishment, carrying out its production in chromium chemicals at Kromsan Chromium Compounds Plant and Cromital S.p.A that is based in Italy, sustains its leading position in this field.

The Company that has been operating nowadays in the fields of electricity, vitamin K3 products, sodium and metabisulphite in addition to soda ash and chromium chemicals maintains its production in 4 countries. Soda Sanayii A.Ş. undertakes its activities in accordance with environment, health and occupational safety management systems under the “Triple Responsibility Commitment”, which is a voluntary implementation that is exclusive to the chemical industry. The company has been constantly investing in environmentally friendly projects and been acting responsibly in this manner. In line with this approach, it produced and made a sale of 1.7 billion kWh electricity in 2015 in addition to meet its own energy requirement by an energy center within its body.

ŞİŞECAM VALUES



WE DERIVE STRENGTH FROM OUR TRADITIONS AND SUPPORT ONE ANOTHER

- We shall initiate changes that would create a successful future based on strength from our experience and knowledge.
- We shall enhance our reputation through our sustainability commitments and results-oriented approach.
- We shall maintain our legacy and tradition, and it shall be our duty to pass these onto the future generations.



WE THRIVE AND DEVELOP ONE ANOTHER

- We shall encourage each other to constantly develop our skills.
- We shall continuously be open to changes that would bring us closer to our vision; and we shall make efforts to develop and improve each other with the help of our stakeholders.
- We shall consider creativity and innovation as a means of development, and inspiration.



WE EXHIBIT A FAIR AND TRANSPARENT MANAGEMENT APPROACH

- We shall treat all of our stakeholders equally, and we shall pursue win-win strategies that benefit both our stakeholders and our business.
- We shall measure the performance with the same scales, and make the performance evaluations in a fair manner.
- We shall act consistently toward our stakeholders; and we shall not give promises we cannot keep.



WE CARE FOR OUR ENVIRONMENT

- We shall commit to our business to achieve the growth and profitability expectations of our shareholders and business partners.
- We shall be customer-focused; we shall quickly respond to suggestions and complaints of our customers, and improve the quality of products and services.
- We shall closely monitor technologies and make appropriate investments as part of our responsibility to the environment and nature; we shall also promote awareness on these issues.



WE RESPECT DIFFERENCES

- We shall hire employees from different countries and different cultures; we know that this diversity shall add value to our business.
- We shall freely express our different opinions.
- We shall allow different job categories to work as a team, to learn from each other, and to develop each other in order to sustain our shared values.

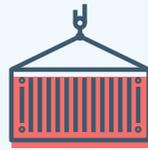
GENERATED ECONOMIC VALUE



EUROPE'S 4TH
AND WORLD'S
10TH BIGGEST
SODA ASH
PRODUCER*



WORLD'S
LEADING SODIUM
BICHROMATE AND
BASIC CHROMIUM
SULPHATE
PRODUCER*



2.2
MILLION TON
PRODUCTION
OF SODA
ASH*



PRODUCTION
IN 4
COUNTRIES*



INVESTMENT
OF 77
MILLION US
DOLLARS**

SALES REVENUE (MILLION TL)



*Data of Şişecam Chemicals

**Data of Soda Sanayii A.Ş.

PRODUCTION FACILITIES

Soda Sanayii A.Ş. Soda Plant (Turkey)	Solvay Sodi AD (Bulgaria)
Soda Sanayii A.Ş. Kromsan Plant (Turkey)	Oxyvit Kimya (Turkey)
Soda Lukavac d.o.o (Bosnia Herzegovina)	Cromital S.p.A (Italy)

CORPORATE MEMBERSHIPS

European Soda Ash Producers Association	Mersin Chamber of Commerce and Industry
International Chromium Development Association	Turkish Chemicals Manufacturers Association
Mediterranean Exporter Associations	Turkish Quality Association



GOVERNANCE AT
SODA SANAYII A.Ş.



As Soda Sanayii A.Ş., we reinforce our strong corporate management practices with modern practices and systems, support our sustainability approach with management practices, and actively manage our processes with our practices within the context of risk management. We conduct our operations in light of our Code of Conduct, collect the expectations of our stakeholders through various communication channels and include them in our decision making processes. In this way, we constantly observe the economic, social and environmental sustainability of our operations and strive to enhance our performance.



CORPORATE GOVERNANCE

Transparency and accountability based management is among the most significant values adopted and implemented by our company, that define our business manner. As Soda Sanayii A.Ş., a subsidiary of Şişecam, continuing with our studies within the frame of core principles of honesty, transparency, objectivity, privacy and harmony with law and regulations are among our permanent goals.

The Board of Directors, which was formed in conformity with the Corporate Governance Principles, is composed of 6 members. The Board of Directors appropriately maintains the balance of risk, growth, and revenue, looks after the long-termed interests of the company, and manages represents the company with these principles. Nonexecutive members constitute the majority of the members of the Board of Directors. The General Manager participates in the Board of Directors as Executive Member. The offices of the Chairman of the Board of Directors and the General Manager are held by different individuals. The Board of Directors includes two independent members in compliance with the criteria of independency prescribed by the Capital Markets Board Corporate Governance Principles.



You can access detailed information regarding the Board of Directors and Board of Directors Committees in the Investor Relations section on our corporate website.



RISK MANAGEMENT AND INTERNAL AUDIT

Soda Sanayii A.Ş., a subsidiary of Şişecam Group, operates in an intensively competitive environment and follows Şişecam's risk management and internal audit activities. At Şişecam Group, risk management and internal audit activities have been structured under the parent company. The activities are undertaken in coordination with the CEOs, managing the core operational areas. The results of regular and planned meetings held with the 'Early Risk Detection Committee', the 'Audit Committee', and the 'Corporate Governance Committee' are reported to the Board of Directors in accordance with the legislation. Meeting agenda of the "Early Risk Detection Committee" formed within this context contains matters related to "Early detection and management of internal and external risks that might".

At Şişecam Group, preparedness against situation that might interrupt operations, minimization of the losses of customers, employees, suppliers, and other stakeholders, and protection of the tangible and intangible assets and reputation of the Group, as well as the environment are among fundamental priorities. Policies and procedures formed in line with the mentioned principles, aimed at maintaining the continuity of business processes in cases that might interrupt operations have been announced across the Group.

At Şişecam Group, risk management activities are pursued based on corporate risk management principles and approached from a holistic and proactive perspective. In 2015, the Group intensively focused on enhancing the efficiency of its risk management processes, making human resource and technology investments, in order to both more effectively manage the uncertainties created by global developments, and extend the risk assurance it provides for its stakeholders in the challenging domestic and international competition environments emerging in consequence

of mentioned developments. In this regard, the risk management function, which has been centrally managed for many years, was revised to also focus on micro and local risks; the technological support for actualizing this focusing was provided within the framework of the integrated risk management platform named "MicroScope"; hereby the infrastructure for ensuring the connection of the 44 production facilities located in 13 countries with the Headquarters was set up.

The purpose of the internal auditing activities maintained in our Group for many years is to support the healthy development of Group companies and the achievement of unity and coalescence in practice, while ensuring that operations are conducted in compliance with internal and external regulations and that corrective measures are implemented in a timely manner. In line with the stated purpose, audit works are conducted on an ongoing basis within the bodies of Group companies operating domestically and abroad.

Internal audit activities are carried out in accordance with the periodic audit programs approved by the Board of Directors. Audit programs are formed by making use of results obtained from risk management works, in other words "risk-based audit" practices are implemented.

Audit programs are formed by making use of results obtained from risk management works, in other words "risk-based audit" practices are implemented.

BUSINESS ETHICS

Soda Sanayii A.Ş. carries on with its activities by Şişecam Ethical Rules. The Code of Conduct, which was implemented in 2010 and evaluated in accordance with needs and updated in 2013, is one of the main indicators of Şişecam Group's responsible business manners. Setting the framework for responsibilities and practices within the Group, within the context of the main principles of honesty, transparency, impartiality, confidentiality, and compliance with laws and regulations, Şişecam Group Code of Conduct is characterized as a guideline directing the relations of all group employees with customers, suppliers, shareholders, and other stakeholders. In 2014, an "Ethics Board" was established with the purpose of ensuring the compliance of Group operations with the Code of Conduct, evaluating practices inconsistent with the Code of Conduct, generalizing the culture of ethics across the Group, and enhancing the level of awareness and consciousness in this regard. The Ethics Board works under the Corporate Management Committee.

Responsibilities of the senior management, managers, and all employees in relation to the effective implementation of the code across the Group have been determined within the scope of Şişecam Group Code of Conduct. The Code of Conduct also sets forth principles regarding the use of Group resources and information, conflicts of interest, and relations with other organizations. As part of the Code of Conduct, it is explained in detail that the implementation of Group regulations, procedures, and instructions, as well as the Code of Conduct is essential and the sanctions to be imposed in cases of disorderly conduct are clearly stated.

The corporate governance practices of the company are structured to allow for all stakeholders, primarily employees, to convey their concerns regarding processes that are legally or ethically inappropriate to the management. Employees can communicate processes that are against the legislation and ethically inappropriate to the Audit Committee and the Internal Audit Unit. An ethics report line was formed for stakeholders to convey processes deemed to be conflicting with laws or the company's ethical values to the Audit Committee. Related complaints can also be emailed to etik@sisecam.com.

FIGHT AGAINST CORRUPTION

Soda Sanayii A.Ş., a subsidiary of Şişecam Group, follows the comprehensive policies and principles of Şişecam Group in terms of anti-bribery and corruption. The "Anti-Bribery and Corruption Policy" aims at clearly and transparently presenting the commitments of Şişecam Group in the fight against bribery and corruption and its position on this subject, as well as protecting the corporate image. This policy, which is an integral part of the Group's Code of Conduct, is intended to provide the necessary information for the prevention of bribery and corruption in all Group operations and to determine responsibilities and rules in this subject.



You can access detailed information regarding our Anti-Bribery and Corruption Policy under the Corporate Governance tab of the Investor Relations section at Şişecam's corporate website.



You can access detailed information regarding the Code of Conduct under the Corporate Governance tab of the Investor Relations section at Şişecam's corporate website.

SUSTAINABILITY MANAGEMENT

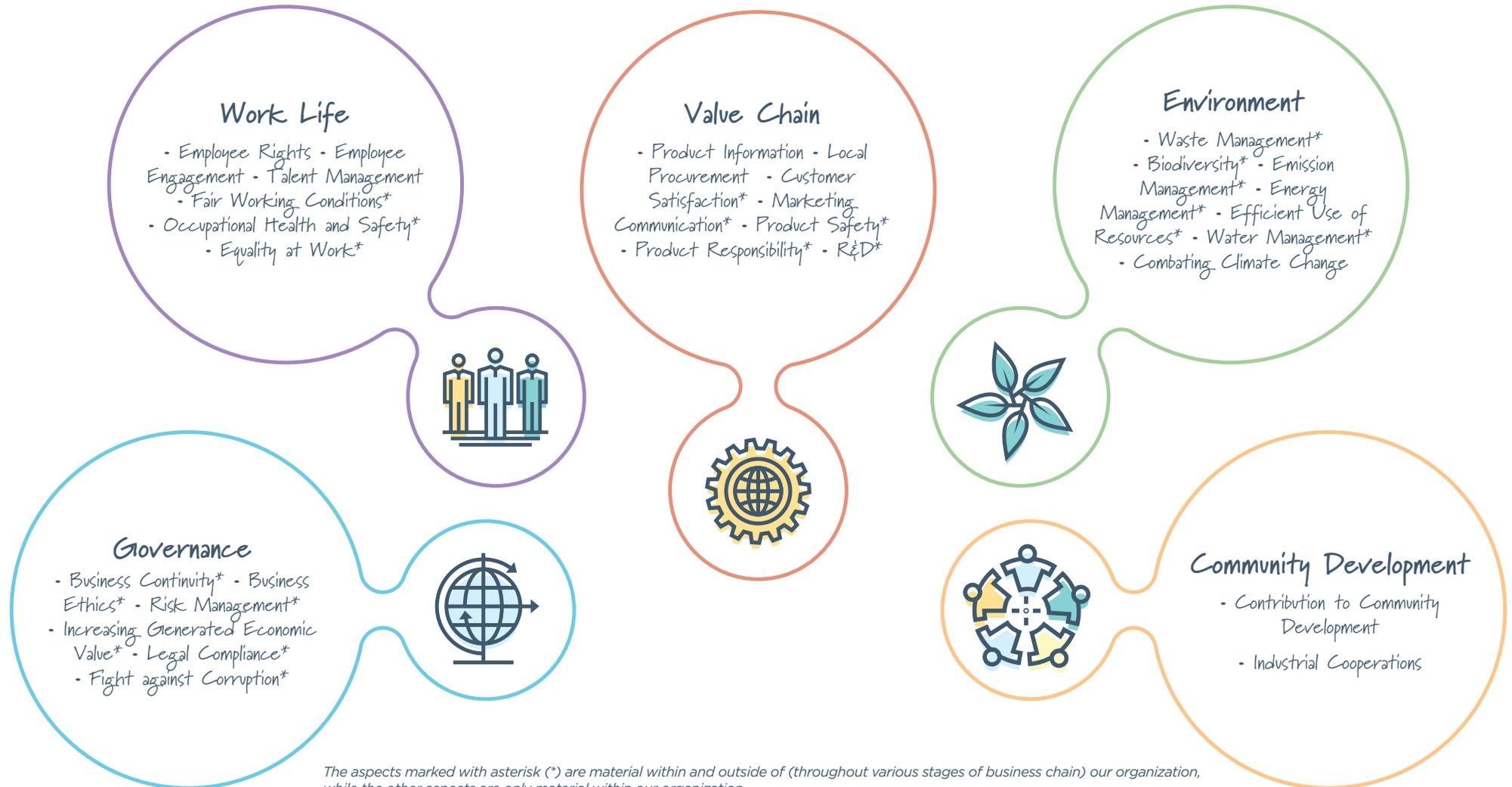
At Soda Sanayii A.Ş., our sustainability approach is based on generating value added for financial continuity, reducing our environmental impact, and creating lasting values for our stakeholders.

In order to develop efficient and effective decision making capabilities in line with the vision and strategies of Şişecam Group and to govern the long-established structure of our Group more efficiently in the competitive landscape of our day, some adjustments were made in the organizational structure of the Group in 2015. In this direction, the scope of the Sustainability Directorate was extended in light of the long-term strategies of the Group and the Corporate Development and Sustainability Department was constituted to embody the sustainability function.

In 2015, Şişecam Sustainability Committee was established to manage our sustainability approach with a holistic understanding. The committee consists of Chief Corporate Development and Sustainability Officer, Production Vice-Presidents of Businesses, Sustainability Director, Human Resources Director, Corporate Communication Director, and Industrial Relations Director and Innovation Manager. The workgroups within the scope of the committee are responsible for conducting activities related to the subjects of Environment, Energy, Occupational Health and Safety, Innovation and Social Responsibility.

During the reporting period, a workshop was organized with the participation of Sustainability Working Group in order to review our sustainability priorities, i.e. material aspects. In the workshop, developments in the fields in which we operate and the results of the relevant benchmarking studies as well as the feedbacks forwarded to us by our stakeholders were evaluated and our material aspects were redetermined.

MATERIAL SUSTAINABILITY ISSUES



SUSTAINABILITY TARGETS

Şişecam Group strives to constantly further its performance in relation to sustainability priority targets and projects and practices developed to achieve these. In this regard, key performance indicators are formed, international sustainability standards are closely followed, activities aimed at full compliance are implemented. Besides, stakeholder expectations regarding issues included in the Group sustainability agenda are taken into consideration in an effort to create a common value together with stakeholders.

Our Strategic Targets	Our Achievements in 2015	Our Targets for 2016
Constituting effective environmental sustainability principles	Detailed information regarding our environmental performance is provided in "Environment" section of the Report.	Completing Environmental Impact Assessment studies on sanitary landfills that are going to be built
Increasing and promoting participation in social responsibility projects	Detailed information about the various projects realized in the fields of environment, education, culture and sports is provided in the "Contribution to Community Development" section of the Report.	Traditionalize Kazanlı Shore Spring Cleaning in collaboration with Mersin University
Strengthening employer brand image and becoming the most preferred and admired company by employees	Activities aimed at strengthening Corporate Identity practices were conducted. Detailed information regarding the subject can be found in the "Work Life" section of the Report.	Increasing the participation of employees to the upcoming sports tournaments, to ensure the participation into the career events at universities in and around Mersin
Motivating employees	Several activities devoted to employee motivation were conducted. Detailed information regarding the subject can be found in the "Employee Development" section of the Report.	Increasing number of "ŞİMDİ!" events
Enhancing the value of our corporate culture	Various projects were carried out to enhance the corporate value of the Group. Detailed information regarding the subject can be found in the "Employee Engagement" section of the Report.	Continuing training projects
Sustaining Customer Satisfaction	R&D studies were initiated by visiting packaging material suppliers in order to increase customer satisfaction.	Implementing customer satisfaction surveys and reporting the results
Using Resources Efficiently	Energy audit of Soda Plant was carried out.	Fulfillment of new energy efficiency targets by units
Improving Occupational Health and Safety Practices	The changes in OHS legislation has been applied.	Completing SEVESO preparations and submitting the Security Report

STAKEHOLDER ENGAGEMENT

Collecting our stakeholder's feedback and opinions is vital for helping us improve our sustainability performance. For this reason, we regularly present our sustainability performance that is in line with our determined sustainability priorities to our stakeholders via our sustainability report. We sustain our dialogue with our stakeholders on different platforms and at required frequency. We invite all of our stakeholders to forward any opinions, suggestions or complaints to the Company's contact person by using phone numbers and e-mails appearing on their corporate websites.

Considering mutual dialogue, our prioritized stakeholders are employees, suppliers, customers and public authorities.



KEY STAKEHOLDER GROUPS AND ENGAGEMENT PLATFORMS

INTERNAL STAKEHOLDERS

Stakeholder Group	Engagement Platforms	Frequency of Stakeholder Engagement	Evaluation of Engagement in the Reporting Period
Employees	<ul style="list-style-type: none"> Employee Satisfaction Survey Suggestion and Idea Platforms Employee Interviews Seniority Award Recognition and Reward System 	Varies depending on the type of engagement	Our most important asset is our people. Our companies are leading companies in Turkey in terms of training and support provided to its Human Resources.
Top Management	<ul style="list-style-type: none"> E-mail Communication Şişecam Sustainability Committee Meetings Şişecam Executive Board Meetings 	Varies depending on the type of engagement.	All related departments (Quality, Environment and Technical Standards, HR, Finance departments etc.), met on a regular basis during the reporting period, assessing a range of sustainability issues and opportunities.
Shareholders, Analysts and Investors	<ul style="list-style-type: none"> General Board Meetings Meetings with analysts and investors Phone calls/teleconferences and email communication with investors Periodically published informative publications (e.g. Annual Reports, CDP, Earnings and Interim Reports) Social media Investor Feedback Mechanism 	Varies depending on the type of engagement.	The Company, which is in regular communication with its shareholders and investors through various channels, met all information disclosure requirements under Turkish legislation during the reporting period.

KEY STAKEHOLDER GROUPS AND ENGAGEMENT PLATFORMS

EXTERNAL STAKEHOLDERS

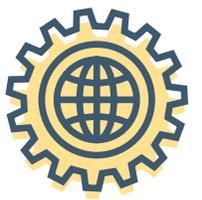
Stakeholder Group	Engagement Platforms	Frequency of Stakeholder Engagement	Evaluation of Engagement in the Reporting Period
Customers	Soda Sanayii A.Ş. engages with its customers at the level of its business lines. However, the main means of customer engagement include customer satisfaction surveys, social media, meetings and conferences, feedback received via telephone and email.	<ul style="list-style-type: none"> • Continuous interaction by email, social media and telephone • Ad hoc meetings as needed 	Soda Sanayii A.Ş. engages with its customers as part of routine business activity. Customers are able to submit their feedback regarding the Company's environmental and social performance through a number of channels.
Public Authorities/ Regulatory Institutions	<ul style="list-style-type: none"> • Systematic reporting • Meetings, forums, conferences • Press releases • One-to-one meetings 	Minimum once a month	We demonstrate the utmost care in complying fully with the law and regulations in all of our activities.
Suppliers	Typical methods of engagement with all suppliers includes: <ul style="list-style-type: none"> • Daily/Routine business cycle • Meetings • email communication 	Continuous as general course of business (e.g. by email) Meetings as required	We are committed to addressing the environmental impact caused by suppliers, in addition to the direct environmental impacts resulting from our internal operations.
Non-governmental Organizations	<ul style="list-style-type: none"> • Strategic collaborations • Events • Regular Meetings 	Minimum once a month	Sharing with the community is viewed as very important to our company, which supports NGOs regarding social, economic and environmental issues and by carrying out joint projects with them.
Media	<ul style="list-style-type: none"> • Press releases • Interviews 	Varies depending on the type of initiative	We are in regular contact with national and international media in order to raise awareness about the Company and deal with any queries.
Community	<ul style="list-style-type: none"> • Government bodies, close proximity neighbours (Kazanlı district), employees and retirees are invited to open door days (for introducing the factory and open communication) • Factory visits from NGOs, universities, primary and pre-school students 	Varies depending on the type of initiative	We announce all events via media.

The expectations conveyed to us by our stakeholders in the 2015 reporting period as to our important sustainability priorities are as follows:

CRITICAL CONCERN	STAKEHOLDER GROUP RAISING THE CONCERN	INFORMATION SOURCE REGARDING THE ACTION TAKEN
To report on our environmental impacts and performance	Customers, Employees, Investors	Sustainability Report, Reporting for Investors and financial institutions
On carbon emissions of our all production plants	Customers, NGOs, Investors	CDP Report
To increase employee motivation	Employees	Sustainability Report
To report on financial performance	Customers	Annual Report



VALUE
CHAIN



We make a tremendous effort to enhance the value we generate for our relevant stakeholder groups in all our operational processes. Starting with raw material supply, we actively collect the feedbacks of our stakeholders in all the stages of our value chain and we actualize improved products and services by constantly evaluating our performance in this regard through the practices we implement. By generalizing this understanding across our value chain, we enhance the value we generate together with our stakeholders.

SUPPLY CHAIN MANAGEMENT

As Soda Sanayii A.Ş., we regard the adoption of our sustainability understanding and values by our suppliers as principles that will improve our supply chain. In this regard, we expect our suppliers to conform to our Code of Conduct. We supervise the social, economic, and environmental performance of our suppliers in light of our sustainability approach by means of the audits we conduct and expect them to carry this performance further.

Supply chain projects are centrally managed at the Şişecam Group and Soda Sanayii A.Ş. takes active part in these projects. The purpose of supply chain projects is to increase financial transparency and traceability. Supply Chain Cockpit System allows for analyzing the supply chain costs of Şişecam Group companies and for the integrated management of corporate resource planning. The Supply Chain supervisors of all companies apply their SCOR (Supply Chain Operations Reference) based performance metrics on the Cockpit Platform. Thanks to this work, besides the advantage of reducing costs, communication within the Group is enhanced and logistics savings are achieved through centralization.

Necessary notices are sent to sub-contractor companies, which don't comply with the rules concerning occupational health and safety. In consequence of the notices, the companies are re-assessed and required sanctions are imposed. 44 subcontractor companies have been subjected to an evaluation in the reporting period by the Health, Security and Environment Directorship. Furthermore, it is planned to include provisions in harmony with the Declaration of Human Rights in the purchase contracts with the implementation to be put into effect after June 2016.

We regard the adoption of our sustainability understanding and values by our suppliers as principles that will improve our supply chain.

EFFICIENCY PROJECTS IN THE SUPPLY CHAIN

Various projects have been carried out with the purpose to increase efficiency in the supply chain. By means of these implementations, both optimization of sources is ensured and environmental impacts, which are caused by supply operations, are reduced.

Efficiency in Logistic Operations

In 2015, refined bicarbonate product, which is produced within Soda Sanayii A.Ş. and dispatched in palletized packages of 1.250 kilos, has started to be packed in palletized packages of 1.200 kilos for more efficient use of the container's internal volume. Dispatching amount has been increased to 24 tons from 20 tons with this improvement and 200 less vehicles are used. In this way, a contribution has been made into reduction of carbon foot print.





PRODUCT SAFETY AND PRODUCT RESPONSIBILITY

As a leading chemicals producer and supplier of a great number of firms from various sectors, Soda Sanayii A.Ş. is subjected to many national and international standards. Fulfilling our clients' expectations fully and at the highest standards is among our indispensable priorities.

Due to the quality policy established in line with Quality Management System, Soda Sanayii A.Ş.:

- Ensures sustainability of quality in its customer satisfaction oriented activities in order to increase efficiency,
- Coordinates investments to increase product quality,
- Continues its studies that it has been carrying on for many years with the purpose of enhancing its employees' education and engagement, and raising their awareness.



Management Systems

	ISO 50001	ISO 14001	OHSAS 18001	ISO 9001	ISO 22000	ISO 10002
Soda Sanayii A.Ş. Soda Plant	✓	✓	✓	✓	✓	✓
Soda Sanayii A.Ş. Kromsan Plant	✓	✓	✓	✓	✓	✓

•ISO 9001: Quality Management System •ISO 14001: Environmental Management System •ISO 50001: Energy Management System •OHSAS 18001: Occupational Health and Safety Management System •ISO 22000: Food Security Management System •ISO 10002: Customer Satisfaction Management System
 Furthermore, the ISO 22000 Food Safety and Global Food Safety Management System, the ISO FSCC 22000 Management System, HELAL, KOSHER and GMP+ PROSES certificates are available for the bicarbonate product.

In addition to this, fulfilling our clients' expectations fully and at the highest standards is among our indispensable priorities.

As a company exporting a significant amount of both soda and chromium products to the EU, Soda Sanayii A.Ş. mostly completed its product registrations as of 2010 in order to fulfill its responsibilities within the scope of REACH (Registration, Evaluation Authorisation and Restriction of Chemicals) regulations, which is of great significance for the European Union. As part of the granding authorization period for chromium trioxide product within the scope of REACH, launched in 2012; an official authorization application was made to the European Chemicals Agency in May 2015 and the related process is projected to be concluded by early 2017.

PRODUCT INFORMATION

In order to meet the sustainability performance of its stakeholder, Soda Sanayii A.Ş. informs its stakeholders with regard to its sustainability performance through a range of different engagement channels, such as strategic collaborations, one-to-one meetings, conferences, seminars, workshops, focus group studies, surveys and similar platforms, swap notes and conduct proactive monitoring.

All products are labelled in accordance with legislations. Supply and content information, and safe usage instructions take place on the product labels. There was no penalty imposed in 2015 due to a non-compliance with law and regulations about product usage terms.

As part of the Digital Transformation Project of Şişecam Group that started in 2015, www.sisecamkimyasallar.com website and all corporate websites of Şişecam Group is put into service with latest technologies in order to provide better user experience. With mobile compatible websites, that have efficient navigation structure and design, improvement of interaction and connection with the stakeholders are aimed.

Complaints directed towards the products are registered in the SAP system's QM module and our Quality department forwards the complaint to the related department. The state of the complaint is determined, improvement measures are taken and our customers are informed.

Customer satisfaction surveys, social media, meetings and conferences, phone calls and e-mails are the primary platforms, whereby we receive the feedbacks of our customers.



Industry-University Collaboration



Soda Sanayii A.Ş. has come together with Mersin University as part of the industry-university collaboration at the "Quality and Management Systems Conference".

Organized at Mersin University, the conference was attended by Soda Sanayii A.Ş. General Manager, Quality Assurance Manager, academics and students from various departments. Information about ISO 9001:2008 Quality Management System Development was conveyed to Mersin University, Faculty of Social Sciences students at the meeting.

In order to meet the sustainability performance of its stakeholders, Soda Sanayii A.Ş. informs its stakeholders through different engagement channels, swap notes and conduct proactive monitoring.

CUSTOMER SATISFACTION

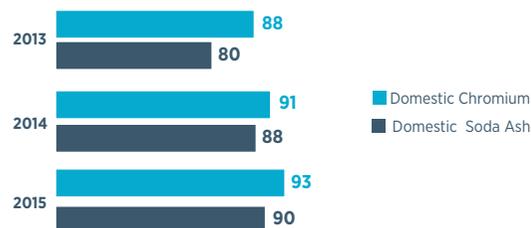
Improving our products and ensuring customer satisfaction by evaluating feedbacks, needs and suggestions while developing superior products fulfilling our clients' needs is of particular importance to Soda Sanayii A.Ş..

The monitoring of customer satisfaction, which was previously done within the scope of ISO 9001:2008 Quality Management System, has been held within the scope of ISO 10002:2006 Customer Satisfaction Management System, since the certificate was received in September 2014.

All complaints regarding customer satisfaction have been started to be evaluated through Şişecam SAP system's customer complaints module that was activated as of November 2013.

Customer satisfaction surveys have been held separately by domestic customers annually by marketing and sales department since 2013 and actions have been taken accordingly.

CUSTOMER SATISFACTION RATIOS (%)



CUSTOMER DATA PRIVACY

Nowadays, with the increasing density of information stored in a virtual environment, user awareness regarding information security is of critical importance. Trainings are organized aimed at raising awareness among our employees about the protection of the confidentiality of our customers. Besides, common confidentiality and information storage issues are guaranteed in contracts made with customers. In the reporting period, no complaints were received regarding any violation of customer confidentiality.

Corporate Identity Project

As one of the most established companies in Turkey, Şişecam Group has a significant brand value with its strength, reliability, experience, respectability, and magnitude. In 2015, the "Corporate Identity" project was conducted in order to restructure the corporate identity strategy of our Group and the Group brand architecture. Within the scope of the Group brand strategy, our business lines, where we make a difference with the Şişecam identity globally, were named and branded as Şişecam Flat Glass, Şişecam Glass Packaging, Şişecam Chemicals and Paşabahçe. The new corporate identity standards were adopted as of September 1st 2015.



INFORMATION SECURITY

At Soda Sanayii A.Ş., the studies we started with the objectives of preserving the reliability of the Şişecam Group and the image of the position it represents, reducing information security risks through risk assessment and risk reduction activities concerning information assets, ensuring the confidentiality, integrity and accessibility of information assets, enhancing Group employees' level of awareness and consciousness regarding information security, protecting physical and electronic information assets that affect the operations of the Group, and improving our current systems devoted to the continuity of all our business operations with minimum interruption were planned in two distinct stages.

First phase studies will be finished by March 2016 and certifications will be completed by August. Second phase studies are expected to be completed by 2016 yearend.

Examples of advantages achieved with the implementation of the information security management system:

- Paper and toner wastage were prevented and printer lifetimes were prolonged by encrypting the printers.
- Electricity savings were achieved through the mandatory use of screen savers.
- Unauthorized accesses were prevented by ensuring the use of strong passwords.

R&D ACTIVITIES

We are developing our own technology with the contribution of our Development department and Şişecam Research and Technological Development Center. Joint projects are undertaken with domestic and international technology companies and universities in order to serve unique products to the market with the highest quality.

The activities of Şişecam Chemicals R&D have been actualized in the direction of the goals of developing present processes in the production of soda ash and chromium components with by means of efficient technologies that are in harmony with environment, enriching the product portfolio with products of high added value, increasing its competitive power by cost decreasing and efficiency augmenting operations. The R&D budget was realized as TRY 3,757,446 in 2015.

Efficiency augmenting researches and modeling activities were sustained at the Soda product group in 2015. Researches were conducted as to developing new leather chemicals, pilot scale and laboratory studies were performed and the operations to develop process and product quality continued ceaselessly at the chromium product group.



The R&D budget was realized as
TRY 3,757,446 in 2015.



Development Center

Şişecam R&D activities' representative in the field of chemistry, Chemicals Development Department was formed in 1994. Mersin-based Development Department has sufficient infrastructure to run projects about process design, developing new product, leather chemicals, analytical techniques, energy efficiency and environmental protection.

In addition to the studies of the projects taking place in the annual plans, subjects such as periodical analyses, examinations directed towards customer demand, management of the chemicals and monitoring international regulation are being handled at the Development Department. Most advanced technology has been achieved thanks to the studies conducted so far at the center; the capacity has been increased by developing a special process and increasing efficiency; getting ahead of global practices by developing environmental processes specific to soda ash and chromium chemicals ; original products used in leather tanning have been developed.

Most of the projects carried out at the Center benefit from TÜBİTAK Presidency of Technology and Innovation Support (TEYDEB) Programs.



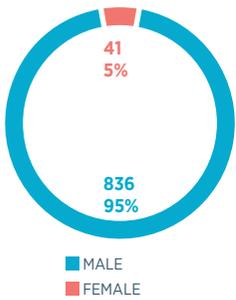


WORK
LIFE

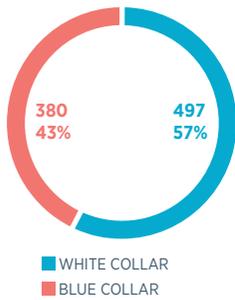


As Soda Sanayii A.Ş., aware of the fact that one of the most determinant elements of the accomplishments we gained is our employees, we constantly work to offer our employees a working environment in which they can be more productive, qualified and happy. In this regard, we provide training opportunities to support their personal development, evaluate their ideas through effective communication channels and include them in the decision making processes. By means of our occupational health and safety practices, we create a working environment in which our employees can work healthy and safely.

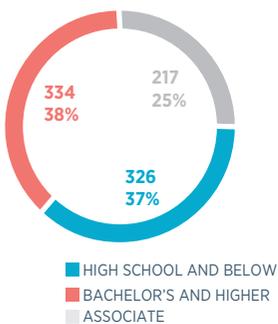
EMPLOYEE BREAKDOWN BY GENDER



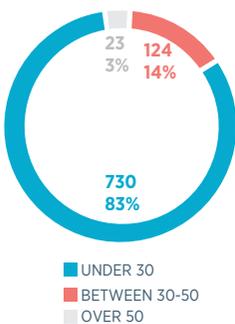
EMPLOYEE BREAKDOWN BY CATEGORY



EMPLOYEE BREAKDOWN BY EDUCATION LEVEL



EMPLOYEE BREAKDOWN BY AGE GROUP



EQUALITY AT WORK AND FAIR WORKING CONDITIONS

Soda Sanayii A.Ş. acts with a management understanding that is respectful to all differences, fair and transparent. In order to create an inclusive working place and to prevent discrimination in the processes of hiring, career development and training, we provide equal opportunities to all of our employees. We measure performance of our employees under equal conditions and evaluate them fairly. We don't differentiate between men and women employees and embrace the principle of equal wage for equal work.

As Şişecam Group, we support women employment in the business life and women employees being in management, support our women employees returning to work after their maternity leave in order to promote women employment. During the reporting period all of the women employees, who went on maternity leave returned at the end of their leave.

As Group, we strive to ensure a workplace free of all kinds of discrimination, complying with national and international standards, where all rights are equally offered. During the reporting period, no incidents of discrimination took place within the scope of Soda Sanayii A.Ş. operations, while no complaints were received in this regard. Practices such as involuntary and forced labor, child labor are not tolerated within the scope of our operations.

We support women employment in the business life and women employees being in management, support our women employees returning to work after their maternity leave in order to promote women employment.



2014

Number of participants

561

Hours of training

3,486

person*hour



2015

Number of participants

550

Hours of training

1,152

person*hour

EMPLOYEE DEVELOPMENT

In Soda Sanayii A.Ş. it is the first and foremost agree to bring together in our organization the most skilled workforce, to develop them and to ensure the full realization of their complete potential by providing them with a happy, safe and motivating work environment. Accordingly, regular performance evaluations and trainings are carried out in order to strengthen our employees' skills. Through leadership and development programs, our aim is that our staff will increase their existing skills and acquire new ones.

The Performance Management System is carried out in connection with the Şişecam Group's vision, mission and strategy, with the aim of generalizing success-oriented performance culture, supporting the transformation of personal success into corporate success, and ensuring institutional preparedness. The aim of the Performance Management System is, whilst creating value for the staff, using the value created by the staff to serve Şişecam's development and sustainability goals. Strategic career maps, group-based careers and back-up plans are being prepared in light of the data generated by the Performance Management System. By examining employees' abilities, aspects requiring improvement are determined and development plans for individual's needs are implemented. All staff, both blue and white-collar, are included during the performance and career development evaluation.

Within the scope of the training programs to provide our employees the opportunity to perform their duties better and contribute to their personal development.

Şişecam Academy

By means of the various training schools in the Şişecam Group, the aim of the Şişecam Academy is to equip our staff with the skills and abilities that will enable the Group to reach its goals. In 2015, the training and development activities across the Group were restructured under the name Şişecam Academy. In the Şişecam Academy organization, a Sales and Marketing School, Supply Chain Management School, Glass School and Leadership School programs have been organized.





Sales and Marketing School

The Sales and Marketing School has been designed to train salespeople with sales skills that are compatible with the Şişecam Global Leadership Model, so as to spread the sales culture across the whole Group. It is expected that the participants who completed modules on sales consultancy and interpersonal flexibility and cooperation in 2015 will undertake training on negotiating skills, marketing and working with different cultures in 2016.

Supply Chain Management School

The Supply Chain Operations Reference (SCOR) Model training, which was launched with the aim of managing the supply chain holistically and acquiring a strategic perspective, also continued in 2015.

Leadership School

The Leadership School project that was launched in 2015 is intended to develop the leadership skills of Şişecam Group's management staff. Training activities prepared especially for our organization are being implemented through the "Şişecam Global Leadership Model". Inventory applications, class training and one-on-one coaching meetings are organized as part of the program.

Global Leadership Model

The Global Leadership Model is an activity model that aims to improve skills and abilities at the leadership level in order to support a high-performance culture. Through the redesign of the Global Leadership Model as "ATLAS" in 2015, it has become a common leadership strategy for the entire Group. ATLAS aims to increase the Şişecam managers' knowledge, to train the leaders of the future and to make all of the Group companies' goals converge.

SuccessFactors Training Management System

Classroom training for white-collar employees is planned and shared through the SuccessFactors system. Throughout the year, our staff schedule and follow their training programs through this initiative.

E-Learning programs

In 2015, various training tools were developed for the dissemination of e-learning activities beyond those implemented with participants in the classroom. Many e-learning programs, such as Personal Data Security Training, OHS and Şişecam Ethics Training, have been provided to our staff. Whilst 29 e-learning programs were brought into service in 2014, this number increased to 101 in 2015.

Orientation Project

In 2015 an orientation e-module and electronic handbook were prepared, with the aim of helping the adapting of new employees in the Şişecam Group by helping them to get to know our institutional culture, activity areas, organizational structure and practice.

Employer Brand

Every year, Şişecam employees organize activities on university campuses such as case studies, trial interviews, coffee-break talks with managers, in order to enhance the brand's image. During the case studies, students are evaluated by the managers and internship opportunities are offered to those who are successful. The aim of the trial interviews, whether one-on-one or in groups, is to give them interview experience. Meanwhile the coffee-break talks offer an opportunity for the managers to gain an insight into students' career paths.

Long-Term Internship Programs

The long-term internship program enables successful students to stay in as interns for a long period. Thus, the interns who joined the team were trained about corporate culture and evaluated by their managers with regard to their performance.

EMPLOYEE RIGHTS

We believe that success depends on our employees who are our most valuable asset. We work to provide a working environment that is inclusive, supports an innovative working environment and is respectful of all identified national and international rights. In order to recruit the most capable employees and create a rewarding work environment, we provide various side benefits including training, an allowance and bonus pay, in addition to annual leave, marriage leave, maternity and paternity leave.

Flexible Benefits Program

At the beginning of 2015 the Flexible Benefits Program was launched. This program makes it possible for Soda Sanayii A.Ş. employees to choose from the package of benefits that Şişecam provides. Our flexible benefits package provides various health and life insurance options for our employees and their families.

Recognition, Appreciation and Rewarding System

The Şişecam appreciation and rewarding system is a program that offers rewards to individuals or teams for behavior, effort and success that assists our company's goals. In 2015, 161 of our employees were given prizes as part of the rewarding system.

Prizes are given in three different categories:

Stars Parade: Our employees who improve Şişecam's processes, make suggestions to increase productivity or provide added value to the Şişecam brand are rewarded under this category.

Occupational Health and Safety: Şişecam companies are rewarded in this category according to the frequency and severity of accidents. The best example of occupational health and safety implementation is also rewarded in this category.

Special Award: In this category, employees or institutions are rewarded for their contributions toward the creation of positive work relationships or a constructive working environment.

Employee Commitment

Employee commitment is an indicator that is meticulously followed in the Şişecam Group. Since 2013, research into employee commitment across the Şişecam Group has been conducted on a confidential basis by an independent company. According to the most recent research, Şişecam Chemicals' commitment rate has increased by 4.5% to 62.9%. These results are 13 points above the white-collar commitment rate in Turkey. The results of the research are used as a guide in the analysis of employee demands and the design of essential projects.

Union Rights

Our vision in the field of industrial relations is to increase productivity by developing industrial relations in a balanced and healthy way, to establish relationships with unions based on dialogue and trust, and, within the framework of "Human First" philosophy, to render occupational health and safety practices more effective.

Observing the principles of the protection of work peace and the continuity of production, union relations are managed within the framework of collective labor agreements and in accordance with the relevant laws and legislation. We recognize our employees' freedom to use rights to unionization and labor agreements. As of the reporting period the rate of unionization to Petrol-İs, across all of our employees is 56%. In 2015 there was no kind of operation or supplier that put the rights to unionization and labor agreement at risk.

We believe that success depends on our employees who are our most valuable asset.

EMPLOYEE ENGAGEMENT

At Soda Sanayii A.Ş., which is a Şişecam Group, various initiatives are carried out to ensure that employees can share their ideas and suggestions, to enable them to be aware of developments within the Group companies, and to ease the creation of an inclusive institutional culture that eases communication between one another.

Idea Factory

The Idea Factory is a platform that has been created for our staff to convey their suggestions. In 2015, savings of around TRY 1 Million at Soda Sanayii A.Ş. were made thanks to the ideas that emerged through this platform.

Camport

The corporate Camport intranet system, which is widely used across the Şişecam Group, was updated in 2015. Through this update the system has been given a more user-friendly, easily accessible and interactive structure.

Common Language Program

The Common Language program has been launched with the aim of creating a common language culture across the Şişecam Group. By enhancing the skills of management teams at different levels, the program provides support to role models for the staff in accordance with Şişecam's mission, vision and values.

“We are Şişecam” Meetings

In order to ensure the dissemination of the corporate culture and values to all employees, the Şişecam Group organizes “We are Şişecam” workshops.

“ŞİMDİ!” Social Activity Club

The Şişecam Social Activity Club was established in 2014 as part of the Şişecam Group organization. It's aims were to ensure that our employees could enjoy their time in the workplace, to strengthen the social relationships between them, and to increase their happiness by creating a synergic atmosphere of sharing.

The “ŞİMDİ!” voluntary-based organization is open for the participation of all white and blue-collar employees in our organization. With this organization, ideas for region-specific social activities are organized, and these activities are directed in accordance with the preferences of those working on activities. In 2015, a page was created within the Camport to raise awareness about the activities within the “ŞİMDİ!” Club.

At Soda Sanayii A.Ş., various initiatives are carried out to ensure that employees can share their ideas and suggestions, to enable them to be aware of developments within the Group companies, and to ease the creation of an inclusive institutional culture that eases communication between one another.



OCCUPATIONAL HEALTH AND SAFETY

At Soda Sanayii A.Ş., which is a Şişecam Group organization, we believe that a healthy and safe workplace is a prerequisite for efficient and productive performance. In this context, we are investing in new and innovative technology in order to be able to create accident-free workplaces and to minimize risks to our first-aid response capacity and the design of our processes.

At Şişecam, Occupational Health and Safety (OHS) management is managed by Şişecam Industrial Relations Directorate. The Companies' Human Resources Directorate works closely and continuously with the Şişecam Industrial Relations Directorate, with the aim of ensuring the inspection of all workplaces in line with national and international standards as well as healthy and safe workplaces for the realization of all projects that are launched. The subjects of occupational health and safety are administered in the framework of the Occupational Health and Safety Policy published by the Group. In order to ensure consistent implementation across the Group and to compare our current performance with its precedents, the OHSAS 18001 Occupational Health and Safety Management System has been incorporated in all plants.

As Soda Sanayii A.Ş., we believe the support of a health and safety culture is of paramount importance in successfully reducing the number of work accidents. Accordingly, we organize training activities with the aim of ensuring that our staff and work partners are well-informed on the subject of occupational health and safety. During the reporting period, we gave a total of 20,740 person*hour of training.

There are OHS units comprising of Occupational Health and Safety Specialist, Workplace Doctor and medical staff in every company within Şişecam Group. The plants themselves organize the monitoring of studies of the OHS and their results. Besides, there is an OHS Committee of which a representative from management is a member in each plant. All employees are represented in these committees. The minimum number of representatives to take place in the committees are set in accordance with legislations. There are 30 members, 8 of whom are employee representative, in 12 OHS committees operating at Soda Sanayii A.Ş. as of 2015. Central OHS unit provides support in common OHS topics concerning the Group by ensuring coordination and that performs and reports monitoring and measurement activities by visiting the plants as part of the annual plan.

Existing Program for Analysing and Monitoring Workplace Accidents has been improved in a way to adapt to continuously developing and changing structure of the Şişecam and that a new Corrective and Preventive Actions (CAPA) system has been maintained to have a more comprehensive record of the workplace accidents. In addition to monitoring and preventive measures, these projects enable reports containing sensitive data to be prepared and that aim at establishing an open and transparent communication with the employees and managers. Furthermore, within the frame of analysis studies of root causes of the accidents, "Workplace Accidents Assessment Commission" comprising Occupational Safety Specialists serving at our Group's workplaces has been established.



As Soda Sanayii A.Ş., we believe the support of a health and safety culture is of paramount importance in successfully reducing the number of work accidents. Accordingly, we organize training activities with the aim of ensuring that our employees and work partners are well informed on the subject of occupational health and safety.

Considering that 78% of the workplace accidents arise from human error, it is understood that the way of doing work has a significant role in preventing the accidents. In this context, all engineers, chiefs and managers inspect the works carried out in the plants as part of the work inspection practice that we initiated in 2015. The purpose of this practice is to reduce the risks by analyzing our way of doing work, changing negative behaviours by raising awareness of our employees and preventing work accidents and occupational diseases. Every unit is inspected for at least once during the year and maintaining communication and collaboration among the units during the inspections are being intended. Preventive activities have been planned with respect to unfavorablenesses, which are detected in the inspections made during the reporting period.

Toolbox Talks is a program that we have realized directed towards permanent and contractor employees working at the Soda Sanayii A.Ş. during the reporting period. Short informative talks about work or a specific subject are given to beginners by unit managers, OHS specialists, technicians or their co-workers about the risks, experienced accidents, near misses and the necessary precautions to be taken. Increasing the occupational health and safety awareness, reducing the work accidents and occupational diseases to minimum by learning from past experiences are aimed at by means of the toolbox talks. 16 toolbox talks were held with Mechanic Maintenance Repairment employees and contractor employees in 2015. We are targeting to spread the toolbox talks with the participation of all employees and make it become a corporate culture in the upcoming periods.





OCCUPATIONAL HEALTH AND SAFETY POLICY

We aim to achieve every stage of our operations in a safe and healthy working environment. In line with this objective, as a part of our responsibility to create healthy individuals as well as manpower, we adopt strategies

- To prevent occupational accidents and occupational diseases by determining the necessary measures to implement and be implemented,
- To make risk assessments by the participation the employees and to reach the acceptable risk levels,
- To use safe equipment and appropriate technologies for a healthy and safe working environment,
- To ensure the participation of our stakeholders each level of the organization in the improvement of occupational health and safety practices,
- To constitute Occupational Health and Safety culture and turn it into a lifestyle.

In this direction, we declare and undertake:

- To meet the relevant standards and requirements in the field of legal obligations for Occupational Health and Safety,
- To increase our performance and our processes with a proactive approach on the continuous improvement on Occupational Health and Safety,
- To continue improving the education and activities of our employees and sub-contractors / suppliers to their employees, visitors, interns for adopting the principles of OHSAS.

GENERAL MANAGER

WE THRIVE AND DEVELOP TOGETHER





ENVIRONMENT



As Soda Sanayii A.Ş. our goal across all business activities is to reduce our environmental impact to minimum and sustain our activities regarding zero environmental incidents. As a result of this approach, we manage our operations in a way to actualize implementations to reduce our environmental impact. We are acting in accordance with law as we reduce our environmental impact, and we follow Şişecam standards and sector practices.

By virtue of our sense of responsibility and sustainability approach, we constantly monitor our processes and put all necessary precautions into effect by assessing our performance. Within this framework, we carry the projects into effect to decrease energy use and utilize the sources more efficiently.

The “Environment and Energy Policy”, which involves all Şişecam’s activities in Turkey and overseas, has been integrated into every phase of our activities.

All of the activities in Soda Sanayii A.Ş. are managed by Environmental Management System approach. The environmental performance indicators regarding our activities are monitored and action plans that are in line with the procedures formed within the framework of the Environmental Management Systems are actualized. The opportunities for development are assessed with official institution inspections and Şişecam’s in-house inspections are organized periodically, corrective

and preventive action plans are designed. Within this scope, the Company’s environmental performance and the practices held with regards to legal liabilities are reported to the higher administration. Our intention is to consistently improve the Environmental Management System, which we manage in the light of sustainability principles, with the support and help of our stakeholders. ISO 14001 Environment Management System is implemented for our activities’ environmental impacts to be monitored and to display a better performance in the relevant topics.

Our fundamental business approach is to fully comply with the environmental regulations. In this regard, we closely follow developments in environmental regulations and share our views on related topics via our memberships in organizations and foundations. In addition to this, we have been taking active parts in the environmental commission of national and international non-governmental organizations concerning industry sector.

Alongside the improvement of the environmental performance upon which we show the utmost attention, we constantly work to raise environmental awareness of our employees, associate employees and organize environmental events. We organized 1,701 person*hour environmental trainings for Soda Sanayii A.Ş. employees and associates in line with this goal during the reporting period.

Soda Sanayii A.Ş. transfers significant amount of funds for studies that strengthen its environmental performance to constantly improve and develop environmental management. We transferred funds of TRY 23.3 million to environmental investment and management studies in 2015.

By virtue of our sense of responsibility and sustainability approach, we constantly monitor our processes and put all necessary precautions into effect by assessing our performance.



ENVIRONMENTAL AND ENERGY POLICY

Knowing that the sustainable growth, which we have placed in the main axis of our business, is only possible as long as we maintain the sustainable environmental and energy principles, we aim to:

- Use natural resources efficiently, increase recycling and recovery rates,
- Consider energy efficient and environmentally friendly Technologies while creating all processes starting from the designing phase,
- Develop and implement energy efficiency projects that will have positive impact on climate change,
- Purchase products, services and Technologies that provide energy efficiency to support high performance designs,
- Perform our production activities by implementing Environment and Energy Management Systems.

In this direction we declare and undertake:

- To comply with environmental and energy related legal and other requirements in force,
- To continuously enhance and improve our environmental and energy performance,
- To take the necessary precautions to reduce or eliminate the negative environmental impacts of our activities,
- To review pre-determined objectives and targets periodically an to provide required resources to acieve these goals and objectives,
- To increase awareness by providing understanding and embracement of our policy by our shareholders

GENERAL MANAGER

**WE CARE FOR
OUR ENVIRONMENT**



ENERGY AND EMISSION MANAGEMENT

We operate in sector of a high energy density. We aim to ensure sustainability of our production activities by means of efficient energy and emission management approach. Efficient use of energy required for our activities, decreasing consumption and minimizing the environmental impacts are among our priorities. In line with this goal, we precisely realize national energy requirements.

In 2015, our total energy consumption was registered as 30,043,100 GJ in our operations in Turkey. We constantly review our operations and carry out improvement studies to improve direct energy consumption. By constantly gauging our energy consumption, we determine the basic performance indicators that will enable us to decrease our energy density.

Cogeneration Plant

Soda Sanayii A.Ş. meets its need of steam by the Cogeneration Plant within its body. With the production capacity of 252 MW of electricity, the Cogeneration Plant produced and sold 1.7 billion kWh of electricity in addition to 4.2 million of steam. The electricity stemming as a by-product has been sold to network and 50% of the city's need is met by this unit.



Energy Consumption Values by Source (GJ)

NATURAL GAS	ELECTRICITY	DIESEL OIL	HARD COAL	TOTAL
26,034,300	759,000	47,000	3,203,100	30,043,100

Energy Consumption per One Ton Product

SODA PLANT	2013	2014	2015
Soda Production (Ton)	1,267,900	1,320,600	1,327,300
(GJ/ton soda)	12.62	12.14	12.43*

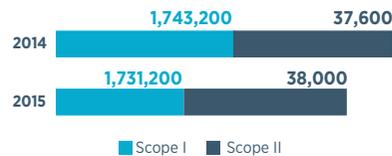
*Our energy consumption values have increased due to the revision studies carried out in our plant in 2015.

Energy Consumption per One Ton Product

KROMSAN PLANT	2013	2014	2015
Bichromate Production (Ton)	84,600	81,200	78,900
(GJ/ton bichromate)	25.01	24.78	27.96*

*As a result of the efforts put in to decrease foreign-source dependency by using domestic resources, a decrease in production occurred and for this reason an increase in energy consumption per unit production took place.

GHG EMISSIONS (TON CO₂e)



Mersin Soda Plant and Kromasan Facilities have ISO 50001 Energy Management System certificate. We have energy committees formed by the participation of employees working at our plants. Assembling at regular meetings, the committee is responsible for monitoring the ongoing projects and developing new projects.

We have been constantly monitoring energy consumptions and energy efficiency, and realizing efficiency increasing projects. By means of the improvement projects we have put into practice in line with our goal of energy efficiency, we prevented 900 tons of CO₂e emission by saving 1,700 GJ energy.

With the awareness of its responsibility to control greenhouse gas emissions that pave the way for climate change, Soda Sanayii A.Ş. realize projects that focus on energy saving by reducing energy and resource use. As of 2015, the total Scope I and Scope II emissions resulting from our operations amounted to 1.769.200 ton CO₂e. This value is 11.600 ton CO₂e less than the previous reporting period.

We aim to ensure sustainability of our production activities by means of efficient energy and emission management approach. Efficient use of energy required for our activities, decreasing consumption and minimizing the environmental impacts are among our priorities.

Sustainable Energy Measurement and Tracking System

According to 2014 data, the total energy consumption of Şişecam Group including Soda Sanayii A.Ş. corresponds to 0.70% energy and 3.85% gas consumption of our country. The management of these rates, which, together with other energy raw materials, exceed the total energy consumption of many countries, from supply to efficiency, to purchasing to wastes, will increase in effectiveness by means of monitoring of every stage of the practices with quantified targets and dynamizing energy policies in line with these results. Comparison of equipment and system choices' theoretical calculations and practical results in the plants through quantitative monitoring, introduction and evaluation of goals correctly, keeping the suppositions minimum, evaluation in the same reference conditions, realizing primarily the most useful projects, steering future studies within this framework will be possible by objective analysis of many similar topics. Establishing standard reference conditions and forming models have based project's expansion within itself and in other plants on the same ground. This will also enable the managers to make correct evaluations by the same data. Şişecam has taken the pioneering role in this field with its energy monitoring and quantification installment, which makes sustainable expansion possible. The Project is completed at Soda Sanayii A.Ş.



Combating Climate Change

As our field of operation is an energy intensive sector, policies focusing on the risk and opportunities brought by climate change are of great importance for Şişecam. We evaluate climate change and its potential impacts in the process of determining risks and opportunities and we integrate them into our corporate strategies.

We work to fulfill the responsibilities we bear in the issue of combating climate change. In this direction, we review our production activities in terms of energy efficiency, we diversify our products providing environmental benefits through their positive impact on resource efficiency. Within the context of combating climate change, we have achieved significant gains in relation to enhancing energy efficiency and reducing energy consumption and resulting greenhouse gas emissions at all our facilities in Turkey and abroad; we continue our works for increasing these gains. We are collaborating with Ministries in infrastructure projects aimed at the management and mitigation of production sourced GHG emissions in our country. Şişecam Group has responded annually to CDP Climate Change program since 2011, and CDP Supply Chain program since 2012. In this regard, the Group reports on issues such as the climate change strategy of the Group, its risk management and managerial approach, energy, carbon emissions and climate change targets, and carbon emissions amount generated by operations. The performance of Şişecam in its Turkey and Bulgaria operations are included in Şişecam CDP responses. With a disclosure score of 91 out of 100, Şişecam has once again proven its success in understanding and managing climate change related issues. Soda Sanayii A.Ş., is also included in Şişecam CDP response.



EFFICIENT USE OF RESOURCES

Efficient use of natural resources appears as a subject with-increasing importance. Aware of our responsibility on this subject, we run efficiency projects and put administrative practices into effect to reduce the wastes resulted by the production processes.

Water Management

For the sake of sustainability of chemicals' production process and production quality, water is of crucial importance. Soda Sanayii A.Ş. production strategy is based on less water consumption. Water is used in steam production and for cooling purposes at Soda Sanayii A.Ş. The water used in our production processes is re-used by being recycled to a large extent. 85.4% of water used in our operations are reused via closed loop system. We use 2.41 m³ process water per ton, which is below the levels of the BREF (Best Available Techniques Reference Document) that is certified by the ESAPA (European Soda Ash Producers Association) as well.

During the reporting period, no violations has taken place with regards to waste water regulations in Turkey, while legal parameters for industrial and domestic waste water were fully complied. The water used or the wastewater discharged created no negative impact on biodiversity of the natural water resources.

Waste Management

Our waste management approach is primarily focused on reducing the amount of waste and providing recycling. Within this framework, Soda Sanayii A.Ş. runs improving activities, conducts studies with its stakeholders and develops various projects.

During the reporting period, our amount of waste was recorded as 841,100 ton, which consists of around 300 tons of hazardous and 840,800 tons of non-hazardous waste. All recyclable wastes were sent to licensed recycling facility, and the rest were sent to facilities that have required license and authorizations.

Soda Sanayii A.Ş. ensured that 48% of the packing waste from the local the market were collected from the market and recycled in 2015. 300 tons of paper, cardboard, plastic and wood in total were recycled. For this purpose, activities of education, support and raising awareness for the students as well as for the recycling projects put by contracted authorized institutions into effect were undertaken.

The damaged palettes were repaired and returned into use again during the reporting period. The number of repaired palettes was recorded as 9,508, and TRY 76,226 additional funding was provided except for all costs (labor cost, material, etc.) spent for palette repairment.

TOTAL AMOUNT OF WASTE BY DISPOSAL METHOD	2013		2014		2015	
	HAZARDOUS	NON-HAZARDOUS	HAZARDOUS	NON-HAZARDOUS	HAZARDOUS	NON-HAZARDOUS
ENERGY RECOVERY	98	0	86	0	86	0
RECOVERY	41	1,370	159	2,120	280	2,400
LANDFILL	0	746,700	2	674,200	0	838,000
INCINERATION	19	0	4	0	10	0
OTHER	0	0	34	218	1	337

ENVIRONMENTALLY FRIENDLY PRODUCTS

The global leader in chrome chemicals, Şişecam Chemicals offered a new basic chromium sulphate product, emphasizing the environment, ecol-tan, to the use of the leather sector, with the responsibility of being the leader. With its characteristics and the different tanning process developed for implementation, ecol-tan is a product and system that allows high chrome intake and responds to environmentally friendly waste demands in the tanning of various leather types. ecol-tan is an environmentally friendly product that can increase the chromizing yield to the level of 98% by performing tanning at high pH without pickling and basification, and reduce the level of chromium oxide in the wastewater below 1 gr/L. Besides, ecol-tan tanning process does not require salt use. Therefore, no salt waste, which poses problems in treatment and is a serious problem in terms of environmental pollution, are generated.

Our waste management approach is primarily focused on reducing the amount of waste and providing recycling. Within this framework, Soda Sanayii A.Ş. runs improving activities, conducts studies with its stakeholders and develops various projects.



CONTRIBUTION TO
COMMUNITY DEVELOPMENT



Soda Sanayii A.Ş. has been carrying on its studies to contribute to economy, people, environment and sustainable future, and to create permanent values in the geography where it has been operating over 40 years.



In regard to the sea turtles (Caretta Caretta and Chelonia mydas), which are made obligatory to be protected by national and international regulations, the projects are undertaken since 2007.

While we continue with our production activities, we are also taking steps towards a sustainable future. Constantly improving itself with performance goals set every year in use of natural resources, Soda Sanayii A.Ş. prepares social responsibility projects for local communities' economic and social welfare including the regions where it carries out its incidental operations and put these projects into effect in a planned way by means of allocating resource.

Forestation

Forestation activities initiated by Soda Sanayii A.Ş. in Mersin province in 2006 are being organized each year with the purpose of foresting determined areas in coordination with the Regional Forest Directorate. In consequence of the studies carried out within this scope, as many as 3.000 saplings were planted by families that consist of employees and retirees in 2015.

Project of Protecting Kazanlı Sea Turtle Population

Kazanlı shore near Mersin province is one of the few spawning areas of endangered sea turtles in Turkey. The "Kazanlı Sea Turtles Project" carried on by Soda Sanayii A.Ş. since 2007 contributes to protection of spawning areas of endangered "Caretta Caretta" and Chelonia Mydas" turtles. In addition to this, by means of the project it is aimed that local community be informed by awareness-raising studies and that endangered sea turtles provide benefit to socio-cultural and socio-economic life via ecotourism.

In regard to the sea turtles (Caretta Caretta and Chelonia mydas), which are made obligatory to be protected by national and international regulations, the projects undertaken continuously since 2007 under the name of "Mersin Province Commission of Researching, Monitoring and Protecting Kazanlı Sea Turtle (Chelonia Mydas and Caretta Caretta) During the Spawning Period" have been successfully completed at Kazanlı Sea Turtles Spawning Shore, which is close to Soda Sanayii A.Ş., under the governance of Turkish Ministry of Forestry and Water Affairs VII. Regional Directorate Mersin Branch Directorate and supported by the only sponsor Soda Sanayii A.Ş.

The living areas of the turtles were cleaned by 350 volunteers in Kazanlı Shore Spring Cleaning organized by the participation of Soda Sanayii A.Ş. employees and collaboration of Mersin University on May 9, 2015.

PERFORMANCE DATA

Economic Performance Indicators (TRY Mio)	2014	2015
Direct economic value generated	1,607	1,772
Economic value distributed	452	588
Operating costs	138	155
Employee wages and benefits	79	85
Payments to government	78	118
Community investments	1	0
Number of R&D Employees	14	15

Summary Consolidated Statement of Financial Position (TRY Mio)	2014	2015
Current Assets	1,111	1,433
Non-Current Assets	1,010	1,379
Total Assets	2,121	2,812
Short-Term Liabilities	305	368
Long-Term Liabilities	249	259
Shareholders' Equity	1,567	2,185
Total Liabilities	2,121	2,812

Summary Consolidated Income Statement (TRY Mio)	2014	2015
Revenue	1,607	1,772
Cost of Sales	-1,209	-1,297
Gross Profit from Trading Activity	397	475
Operating Expenses	-138	-155
Other Operating Income and Expenses	12	38
Equity Method Effect	58	54
Operating Income	329	411
Income from Associates	94	-3
Operating Profit Before Financial Expenses	423	408
Financial Expenses (Net)	21	102
Profit Before Tax from Continued Operations	444	510
Tax Income/(Expense)	-57	-69
Taxes on Income	-61	-72
Deferred Tax Income/(Expense)	4	3
Profit for the Year	388	441
Attributable to:		

The economic data included in the report involve operations of Soda Sanayii A.Ş. in Turkey and abroad. Social and environmental indicators involve Soda Sanayii A.Ş.'s Turkey operations.

Non-Controlling Interests	3	7
Equity Holders of the Parent	384	434
Earnings Before Interest and Taxes (EBIT)*	423	408
Depreciation	93	92
Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA)*	516	500
Net Cash from Operations	450	310
Net Financial Debt**	-341	-547

Financial Ratios	2015	2016
Current Assets / Short-Term Liabilities	3.64	3.90
Shareholders' Equity / Total Liabilities	0.74	0.78
Total Liabilities / Shareholders' Equity	0.35	0.29
Net Financial Liabilities / Total Liabilities	-0.16	-0.19
Net Financial Liabilities / Shareholders' Equity	-0.22	-0.25
Gross Profit / Revenue	0.25	0.27
EBITDA* / Revenue	0.32	0.28
EBIT* / Revenue	0.26	0.23
Net Financial Liabilities** / EBITDA*	-0.66	1.09

Social Performance Indicators	2014	2015
Total Workforce (number)		
Direct Employees	858	877
Female	40	42
Male	818	835
Permanent	858	877
Female	40	41
Male	818	836
Temporary	0	0
Female	0	0
Male	0	0

(*) Operating profit before financial expenses used for calculating EBIT and EBITDA. EBIT and EBITDA are not financial performance measures identified in TFRS and may not be compared with similar indicators identified by companies.

(**) Net Financial Debt are calculated by deducting receivables from other relevant parties and cash and cash equivalents from the total of short- and long-term debts and other debts to relevant parties.

Social Performance Indicators	2014	2015
Employees by Category (number)		
Blue Collar	491	497
Female	2	1
Male	489	496
White Collar	367	380
Female	38	41
Male	329	339
Employees by Employment Type (number)		
Full-Time	858	877
Female	40	41
Male	818	836
Part-Time	0	0
Female	0	0
Male	0	0
Employees by Education Level (number)		
White Collar	367	380
Secondary and Below	126	121
Associate Degree	60	71
University and Above	181	188
Blue Collar	491	497
Secondary and Below	211	205
Associate Degree	255	263
University and Above	25	29
Employees by Age (number)		
30-	125	124
30 - 50	710	730
50+	23	23
Senior Management Structure (by number)		
by Gender	3	4
Female	1	1
Male	2	3
by Age Group	3	4
30-	0	0
30 - 50	2	3
50+	1	1

Social Performance Indicators	2014	2015
by Nationality	3	4
Turkish Citizen	3	4
Expat	0	0
Mid-Level Management Structure (by number)		
by Gender	15	15
Female	1	1
Male	14	14
by Age Group	15	15
30-	0	0
30 - 50	10	11
50+	5	4
New Hires (number)		
by Gender	58	53
Female	5	5
Male	53	48
by Age Group	58	53
30-	45	43
30 - 50	12	10
50+	1	0
Employees Left (number)		
by Gender	50	32
Female	4	3
Male	46	29
by Age Group	50	32
30-	6	4
30 - 50	34	20
50+	10	8
Employees on Parental Leave		
Female	0	2
Employees Returned to Work After Parental Leave		
Female	0	2
Employees Returned to Work After Parental Leave and Still Employed 12 Months After Their Return		
Female	0	2
Employees Covered by Collective Bargaining Agreement (number)		
Direct Employees	487	495

Social Performance Indicators	2014	2015
Employee Trainings - Number of Participants (person)	561	560
Blue Collar	132	95
White Collar	429	455
Female	26	25
Male	535	525
Employee Trainings - Total Hours (personxhour)	3,486	1,152
Blue Collar	397	86
White Collar	3,089	1,066
Female	169	50
Male	3,317	1,102
Injury Rate		
Direct Employees		
Female	0	0
Male	31	20
Occupational Disease Rate (ODR)		
Direct Employees		
Female	0	0
Male	0	0
Lost Day Rate (LDR)		
Direct Employees		
Female	0	0
Male	421	429
Absence Rate (%)		
Direct Employees		
Female	4.41%	4.88%
Male	3.49%	3.58%
OHS Trainings - Number of Participants	2,604	4,203
Direct Employees	858	881
Contractor Employees	1,746	3,322
OHS Trainings - Total Hours (personxhour)	17,220	20,740
Direct Employees	13,728	14,096
Contractor Employees	3,492	6,644
Number of OHS Committees	12	12
Total Number of Members in OHS Committees	30	30
Employee Representatives Taking Part in OHS Committees	8	8

Social Performance Indicators	2014	2015
Environmental Trainings - Number of Participants	-	3,402
Direct Employees	-	80
Contractor Employees	-	3,322
Environmental Performance Indicators	2014	2015
Total Raw Material Consumed (ton)	3,842,800	3,832,100
Total Energy Consumption (GJ)	27,541,900	30,043,100
Natural Gas	23,942,100	26,034,300
Hard Coal	3,267,300	3,203,100
Electricity	332,500	759,000
Diesel	0	46,700
Total Energy Savings (GJ)	34,350	1,700
Recovered/Reused Water (m ³)	50,600	92,199
GHG Emissions (ton CO ₂)	1,780,800	1,769,200
Scope1 Gross Emissions (ton)	1,743,200	1,731,200
Scope2 Gross Emissions (ton)	37,600	38,000
GHG Emission Reductions (ton CO ₂)	2683	900
Total Hazardous Waste by Disposal Method (ton)		
Recovery	160	280
Disposal	92	78
Total	252	358
Total Non-Hazardous Waste by Disposal Method		
Recovery	2,100	2,400
Disposal	674,200	838,000
Total	676,300	840,400
Recovered Packaging Waste (ton)	400	300
Package Waste Recycling Rate (%)	44%	48%
Fines for Non-Compliance with Environmental Laws (Number)	0	0
Fines for Non-Compliance with Environmental Laws (TRY)	0	0
Total Environmental Investment Costs (TRY)	19,061,700	3,189,200
Total Environmental Management Costs (TRY)	13,479,400	20,105,700



GRI G4 CONTENT INDEX

INDICATORS	DESCRIPTION	OMISSIONS
GENERAL DISCLOSURES		
G4-1	Message from The Chairman (pp. 4-5); Message from Chemicals Group President (pp. 6-7)	-
G4-2	Message from The Chairman (pp. 4-5); Message from Chemicals Group President (pp. 6-7)	-
G4-3	About the Report (p.2)	-
G4-4	About Soda Sanayii A.Ş. (p.8)	-
G4-5	Corporate Web Site: http://www.sisecamkimyasallar.com/en/contact-us	-
G4-6	About Soda Sanayii A.Ş.(p.8)	-
G4-7	Corporate Website: http://www.sisecamkimyasallar.com/en/investor-relations-soda-sanayii-as/corporate-identity-and-management/shareholder-structure	-
G4-8	About Soda Sanayii A.Ş. (p.8)	-
G4-9	Generated Economic Value (p.10); Work Life (p.26); Performance Data (p.43)	-
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G4-11	Union Rights (p.29)	-
G4-12	Supply Chain Management (p.20)	-
G4-13	Corporate Website: http://www.sisecamkimyasallar.com/en/investor-relations-soda-sanayii-as/presentations-and-reports/material-disclosures	-
G4-14	Risk Management and Internal Audit (p.13); Business Ethics (p.14); Occupational Health and Safety (pp. 31-33); Combating Climate Change (p.39)	-
G4-15	Our Corporate Memberships (p.10)	-
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G4-17	About the Report (p.2)	-
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G4-19	Sustainability Management (p.15)	-
G4-20	Sustainability Management (pp.15-16)	-
G4-21	Sustainability Management (pp.15-16)	-
G4-22	The report does not have any restatements of information provided in the previous report. GRI G4 Index (p.46)	-
G4-23	About the Report (p.2); Sustainability Management (p.16)	-
G4-24	Stakeholder Engagement (pp.17-18)	-
G4-25	We define all individuals and institutions, who either are impacted by our operations or have an impact on them, as our stakeholders.	-
G4-26	Stakeholder Engagement (pp.17-18)	-
G4-27	Stakeholder Engagement (pp.17-18)	-
G4-28	About the Report (p.2)	-
G4-29	About the Report (p.2)	-
G4-30	About the Report (p.2)	-
G4-31	About the Report (p.2)	-
G4-32	About the Report (p.2); GRI G4 Content Index (p.46)	-
G4-33	The report was not subjected to external assurance GRI G4 Content Index (p.46)	-

INDICATORS	DESCRIPTION	OMISSIONS
G4-34	Corporate Governance (p.12)	-
G4-56	Business Ethics (p.14)	-
STANDARD DISCLOSURES		
Material Aspect: Economic Performance		
G4-DMA	Generated Economic Value (p.10); Supply Chain Management (p.20)	-
G4-EC1	Soda Sanayii A.Ş. 2015 Annual Report (p.2)	-
G4-EC2	Combating Climate Change (p.39)	-
Material Aspect: Market Presence		
G4-DMA	Not material	-
G4-EC6	Performance Data (p.44)	-
Material Aspect: Indirect Economic Impacts		
G4-DMA	R&D Activities (p.24); Employee Development (pp. 27-28); Contribution to Community Development (p.42)	-
G4-EC7	R&D Activities (p.24); Contribution to Community Development (p.42)	-
G4-EC8	R&D Activities (p.24); Employee Development (pp. 27-28); Contribution to Community Development (p.42)	-
Material Aspect: Energy		
G4-DMA	Energy and Emission Management (pp.38-40)	-
G4-EN3	Energy and Emission Management (p.38); Performance Data (p.45)	-
G4-EN5	Energy and Emission Management (p.38)	-
G4-EN6	Energy and Emission Management (p.38); Performance Data (p.45)	-
Material Aspect: Water		
G4-DMA	Water Management (p.40)	-
G4-EN9	No stress caused by water consumption within Soda Sanayii operations was found on resource consistency. GRI G4 Content Index (p.46)	-
G4-EN10	Water Management (p.40); Performance Data (p.45)	-
Material Aspect: Emissions		
G4-DMA	Energy and Emission Management (p.38)	-
G4-EN15	Energy and Emission Management (p.38); Performance Data (p.45)	-
G4-EN16	Energy and Emission Management (p.38); Performance Data (p.45)	-
Material Aspect: Effluents and Waste		
G4-DMA	Water Management (p.40); Waste Management (p.40)	-
G4-EN23	Waste Management (p.40)	-
G4-EN26	Water Management (p.40)	-
Material Aspect: Products and Services		
G4-DMA	Waste Management (p.40)	-
G4-EN27	Waste Management (p.40)	-
G4-EN28	Waste Management (p.40)	-

INDICATORS	DESCRIPTION	OMISSIONS
Material Aspect: Compliance		
G4-DMA	Corporate Governance (p.12)	
G4-EN29	During the reporting period, no significant fines were paid due to non-compliance with environmental laws and regulations. GRI G4 Content Index (p.47)	
Material Aspect: Overall		
G4-DMA	Environment (pp. 36-40)	-
G4-EN31	Environment (p.36)	-
Material Aspect: Employment		
G4-DMA	Work Life (p.26)	-
G4-LA1	Performance Data (p.44)	-
G4-LA3	Equality at Work and Fair Working Conditions (p. 26)	-
Material Aspect: Occupational Health and Safety		
G4-DMA	Occupational Health and Safety (pp. 31-33)	-
G4-LA5	Occupational Health and Safety (pp. 31-33); Performance Data (p.45)	-
G4-LA6	Performance Data (p.45)	-
G4-LA8	Union Rights (p.29)	-
Material Aspect: Training and Education		
G4-DMA	Employee Development (pp. 27-28)	-
G4-LA9	Employee Development (pp. 27-28); Performance Data (p.45)	-
G4-LA10	Employee Development (p. 28)	-
G4-LA11	Employee Development (pp. 27-28)	-
Material Aspect: Diversity and Equal Opportunity		
G4-DMA	Equality at Work and Fair Working Conditions (p. 26)	-
G4-LA12	Equality at Work and Fair Working Conditions (p. 26); Performance Data (p.44)	-
Material Aspect: Equal Remuneration for Women and Men		
G4-DMA	Equality at Work and Fair Working Conditions (p.26)	-
G4-LA13	Equality at Work and Fair Working Conditions (p.26)	-
Material Aspect: Non-Discrimination		
G4-DMA	Equality at Work and Fair Working Conditions (p.26)	-
G4-HR3	During the reporting period, no case of discrimination has occurred. GRI G4 Content Index (p.47)	-
Material Aspect: Freedom of Association and Collective Bargaining		
G4-DMA	Employee Rights (p.29)	-
G4-HR4	In all Soda Sanayii A.Ş. operations, exercise of the freedom of association and collective bargaining is ensured. Business partners are also expected to adopt same principle. During the reporting period, no breach or significant risk is identified regarding exercise of these rights. GRI G4 Content Index (p.47)	-
Material Aspect: Child Labor		
G4-DMA	GRI G4 Content Index (pp.46-47)	-

INDICATORS	DESCRIPTION	OMISSIONS
G4-HR5	Soda Sanayii A.Ş. does not permit child labor within its operations. Business partners are also expected to adopt same principle. During the reporting period, no breach or significant risk is identified regarding this principle. GRI G4 Content Index (p.47)	-
Material Aspect: Forced and Compulsory Labor		
G4-DMA	GRI G4 Content Index (pp.46-47)	-
G4-HR6	Soda Sanayii A.Ş. does not permit forced and compulsory labor within its operations. Business partners are also expected to adopt same principle. During the reporting period, no breach or significant risk is identified regarding this principle. GRI G4 Content Index (p.47)	-
Material Aspect: Anti-Corruption		
G4-DMA	Fight Against Corruption (p.14)	-
G4-SO3	During the reporting period, all operations were assessed for risks related to corruption. GRI G4 Content Index (p.47)	-
G4-SO5	No incidents of corruption has taken place during the reporting period. GRI G4 Content Index (p.47)	
Material Aspect: Anti-competitive Behavior		
G4-DMA	Not material	
G4-SO7	During the reporting period, no legal actions were charged against Soda Sanayii A.Ş. regarding anticompetitive behavior and violations of anti-trust and monopoly legislation. GRI G4 Content Index (p.47)	
Material Aspect: Compliance		
G4-DMA	Corporate Governance (p.12)	
G4-SO8	During the reporting period, no significant fines were paid due to non-compliance with laws and regulations. GRI G4 Content Index (p.47)	
Material Aspect: Customer Health and Safety		
G4-DMA	Product Safety and Product Responsibility (p.21)	-
G4-PR2	During the reporting period, no case of non-compliance to regulations has occurred. GRI G4 Content Index (p.47)	-
Material Aspect: Product and Service Labeling		
G4-DMA	Product Safety and Product Responsibility (p.21)	-
G4-PR3	Product Safety and Product Responsibility (p.21)	-
G4-PR4	During the reporting period, no case of non-compliance to regulations has occurred regarding customer information practices and product labeling. GRI G4 Content Index (p.47)	
G4-PR5	Customer Satisfaction (p. 23)	-
Material Aspect: Marketing Communications		
G4-DMA	Product Information (p.22)	-
G4-PR7	During the reporting period, no case of non-compliance to regulations has occurred regarding marketing communication aspects. GRI G4 Content Index (p.47)	-
Material Aspect: Compliance		
G4-DMA	Corporate Governance (p.12)	-
G4-PR8	Customer Data Privacy (p.23)	
G4-PR9	Product Safety and Product Responsibility (p.21)	-

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