

1Q 2018 SODA SANAYII

Investor Presentation



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SODA SANAYİİ A.Ş. OPERATIONAL RESULTS & FINANCIAL PERFORMANCE



Key Financial Indicators

TRY mn



1Q 2018 Highlights

- Consolidated sales volume a) up by 8% in soda chemicals b) down by 1% in chromium chemicals
- 7% and 14% average USD/ton increase in selling prices in soda ash and chromium chemicals, respectively
- 21%-79% split between domestic and international revenues
- Strong topline growth and a high level of profitability thanks to operational efficiency investments with full capacity utilization in both business segments
- Modernization, energy saving and raw material supply investments continued in line with the sustainable growth strategy in place
- 25K ton/year increase in Soda Lukavac plant's annual production capacity through operational improvement/efficiency
- Decision to distribute TRY 225mn cash dividends & TRY 98mn bonus shares
- USD 1,1bn Market capitalization as of May 16th and 3-month average daily trading volume of 5,8mn shares

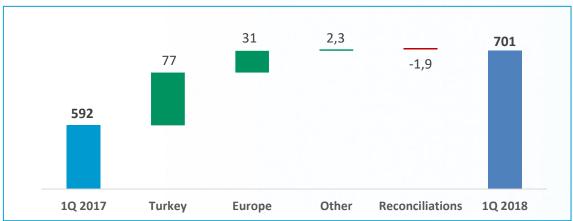


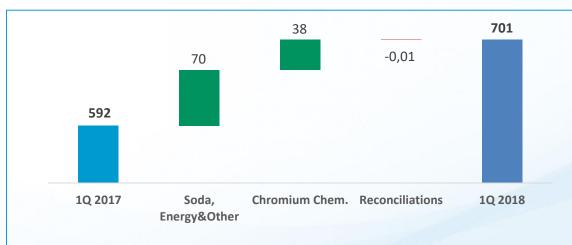
Important Notice: Şişecam and its Group Companies Soda Sanayii and Anadolu Cam were reporting third party logistic expenses by deducting from gross revenues. Starting from 4Q 2017, these expenses are now booked under S&M expenses. 1Q 2017 financial statements were restated accordingly

Key Financial Indicators

Revenue Contributions by Geography & Business Segments

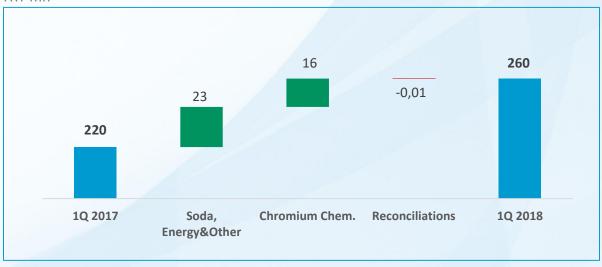






Gross Profit Contributions by Business Segments

TRY mn



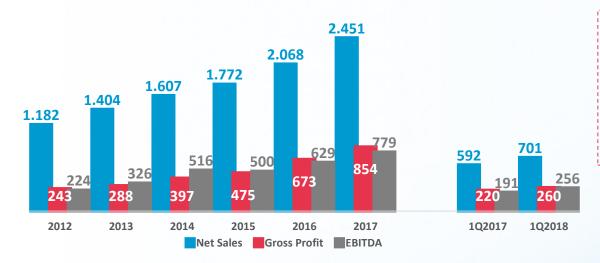


Soda Sanayii – Financial Results

Consolidated Financial Results

EBITDA Margins Adjusted to One-off Gains

TRY mn

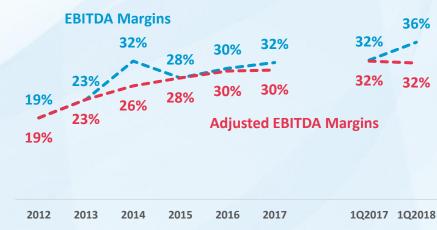


Gross Margin
EBIT Margin
EBITDA Margin

21%	21%	25%	27%	33%	35%	37%	37%
13%	17 %	26%	23%	26%	26%	27%	31%
19%	23%	32%	28%	30%	32%	32%	36%

Adjustments;

- **2014**: TRY 92,7mn (sale of two subsidiaries; Dost Gaz & Asmaş and Paşabahçe shares)
- 2015: TRY 0,4mn (sale of Denizli Cam shares)
- **2016:** TRY 13,5mn (Revaluation gain on Eurobond investments)
- **2017:** TRY 43mn (Revaluation gain on Eurobond investments)
- 1Q2017: TRY 1,3mn (Revaluation gain on Eurobond investments)
- 1Q2018: TRY 33,7mn (Revaluation gain on Eurobond investments)

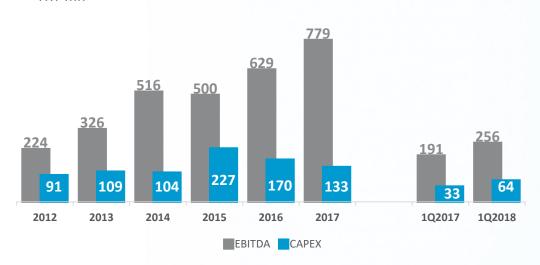




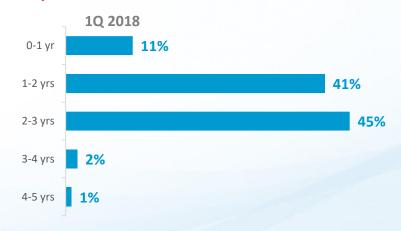
Soda Sanayii – Financial Results

Consolidated EBITDA & CAPEX

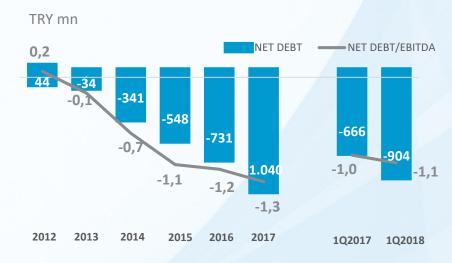
TRY mn



Maturity Breakdown of Debt



Consolidated EBITDA & NET DEBT



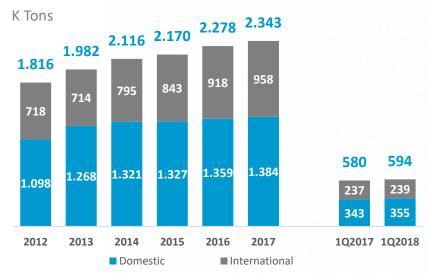
Currency Breakdown of Debt





Soda Sanayii – Operational Results

Soda Production Breakdown



Chromium Chemicals Sales Breakdown

K Tons



Soda Sales Breakdown



Soda Sanayii Consolidated Revenues Breakdown



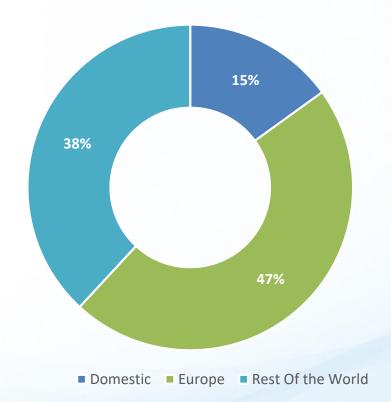


*International Sales include sales from foreign operations + export from foreign operations + export from Turkey

Soda Sanayii – Soda Sales Breakdown

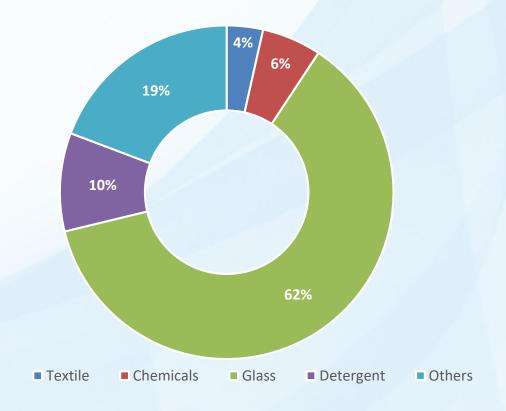
by Geography (in volume terms)*

1Q 2018



by Segment (in volume terms)

1Q 2018





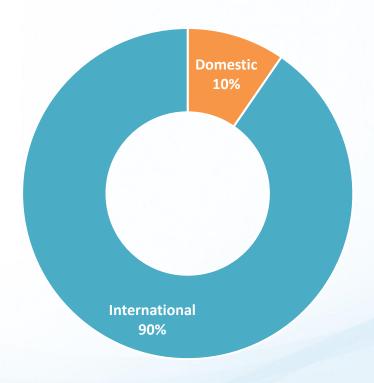
Soda Sanayii – Chromium Sales Breakdown

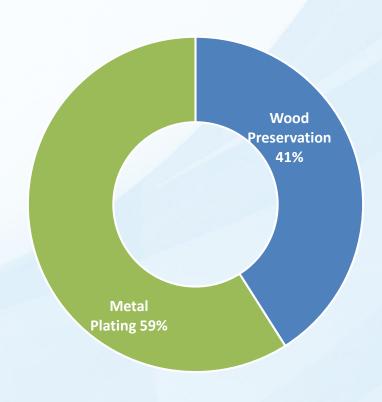
by Geography (in value terms)

Chromic Acid Sales by Segment (in volume terms)

1Q 2018

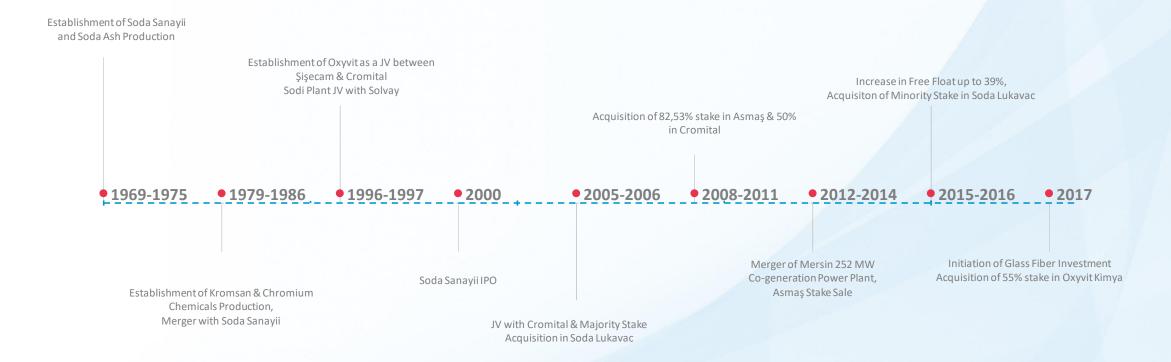
1Q 2018





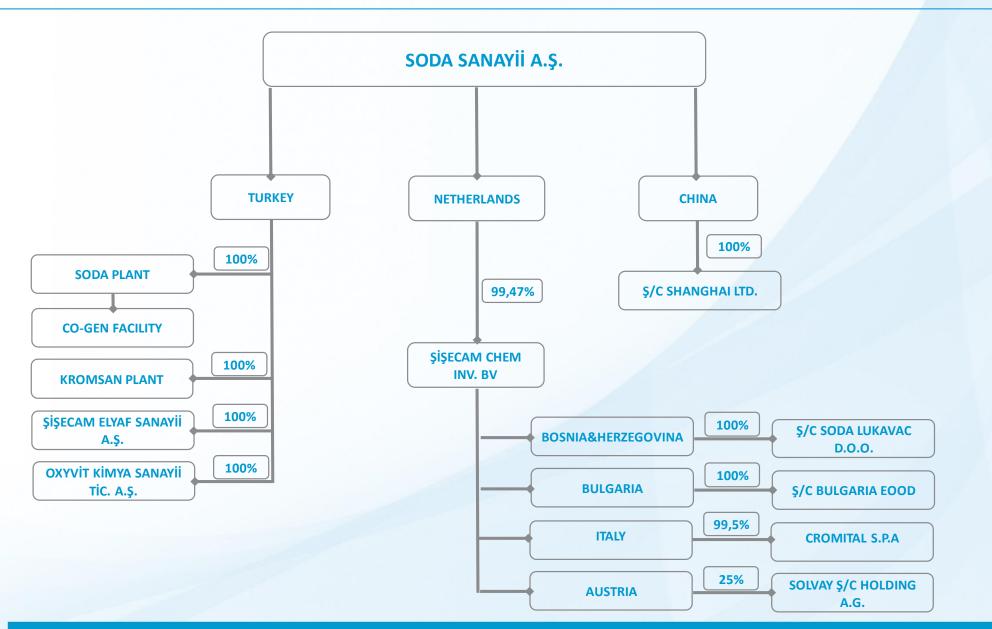


Soda Sanayii History





Corporate Structure





Vision & Strategy

VISION

- Strengthen current position in global soda ash market
- Target strong leadership in its all activities in global chromium chemicals market

STRATEGY

- Maintain sustainable & profitable growth
- Support profitability by cost optimization and operational efficiency.
- Increase competetitive power
- Continue to expand geographically
- Create synergies from acquisitions and strategic partnerships
- Partnership approach and reliable solution provider for customers

SUSTAINABILITY

Soda Sanayii published 2016 sustainability report



Competitive Advantage

The New Steam Generation Facility in Mersin

 The new steam generation facility, operational since the beginning of 2017, continues to provide cost saving

Long Term Raw Material Reserves Near Mersin

- Soda Sanayii has secured its long term limestone and brine reserves near the facility in Mersin
- Aiming to provide a sustainable raw material supply, investments in new salt fields continue

Co-location with Şişecam's Glass Packaging and Flat Glass Plant and Rail Access within Turkey

Soda Sanayii Production facilities are located in close proximity to Trakya Cam, Anadolu Cam and Paşabahçe, other key Şişecam Group companies. This provides low transportation costs, short delivery times and continuous product supply

Cost Efficient Exports
Through Mersin Port

Mersin Port, the largest port in the Eastern Mediterranean region, is only 16km away from the plant, providing low transportation costs and short transportation times in export sales

On the Ground Presence and Access to European Markets

- SSL Plant (Bosnia & Herzegovina): The location and level of supply in the European market enables Soda Sanayii to compete with European soda producers
- Sodi (Varna-Bulgaria): Close proximity to Şişecam's Flat Glass and Glassware plants in Targovishte-Bulgaria enables low transportation costs, short delivery times and continuous supply capabilities
- Cromital S.p.A: With its Cromital plant in Italy, Soda Sanayii maintains its leading position in Europe in the production and selling of liquid and dust basic chromium sulphate



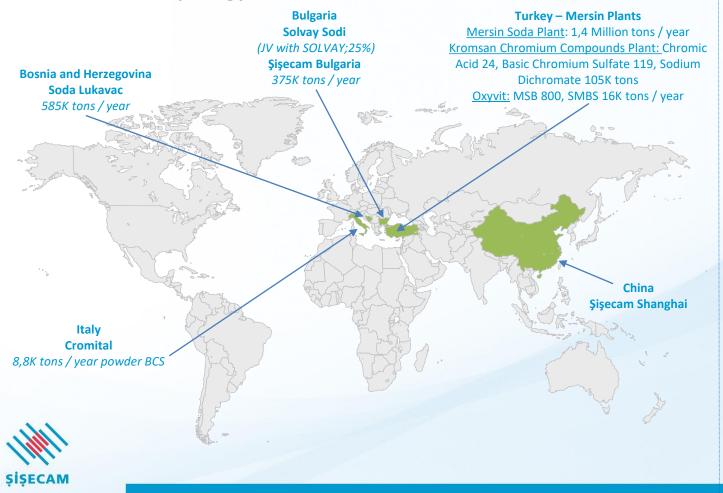
CHEMICALS BUSINESS SEGMENT OVERVIEW

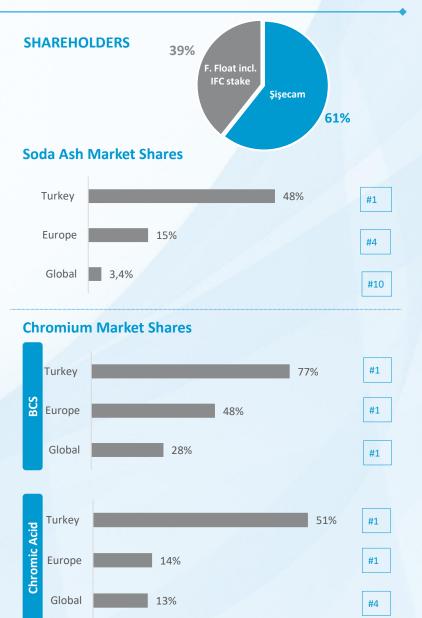


Chemicals – Soda Sanayii

Operations & Global Presence

Soda Sanayii, being the flagship company of Şişecam Chemicals, is a leading soda and chromium chemicals producer operational in 5 different facilities incl. Sodi JV and exporting products to +75 countries around the World



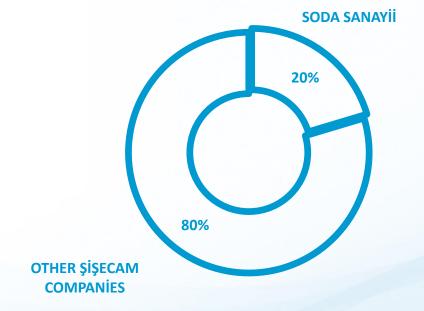


Chemicals – Soda Sanayii

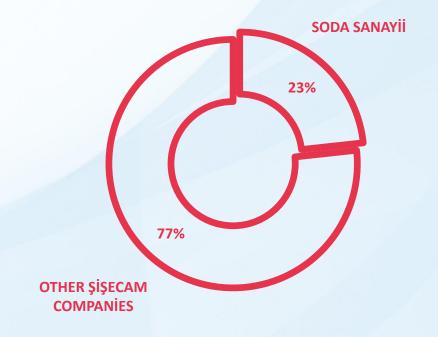
In 1Q 2018, Chemicals Segment accounted for 22% of Şişecam revenues and 30% of its adjusted EBITDA

Soda Sanayii's contribution to Şişecam revenues with its non-group sales was 20%, while its adjusted EBITDA accounted for 23% of the group's consolidated and adjusted EBITDA figure

Contribution to Şişecam Consolidated Revenues 1Q 2018



Contribution to Şişecam Consolidated EBITDA 1Q 2018

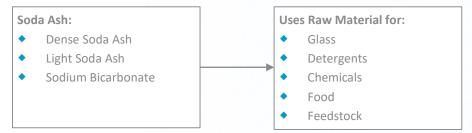




Soda Ash Market

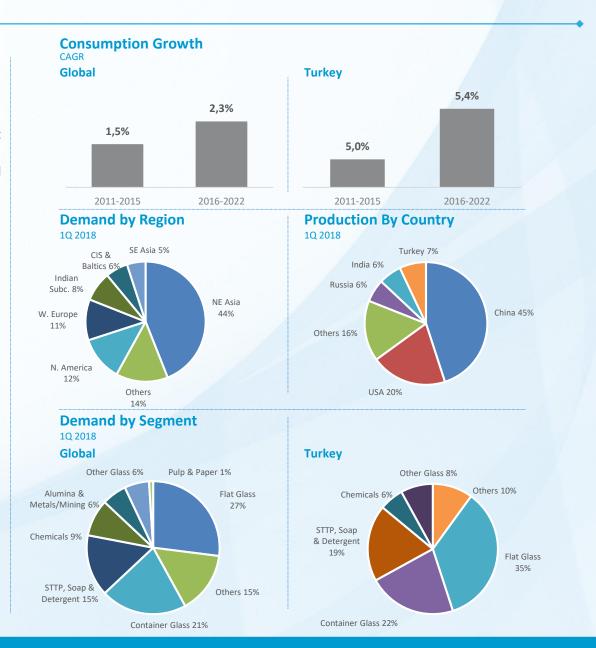
Industry Dynamics

- 57,7 Million tons production / demand globally as of 2017
- ◆ 75% synthetic, 25% natural
- Demand drivers: growing flat glass, container glass and detergents sectors
- Balanced market in Europe, strong demand from developing regions on the back of fast growing construction, automotive and detergent sectors
- Stong environmental checks and capacity closures in China leading to strong demand and price increases in Asia Pacific region
- Average global capacity utilization rate at 83%



Regional Breakdown of Global Soda Ash Production Capacity

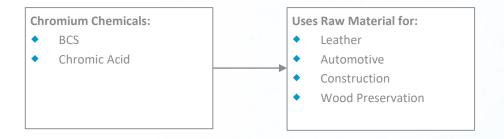




Chromium Market

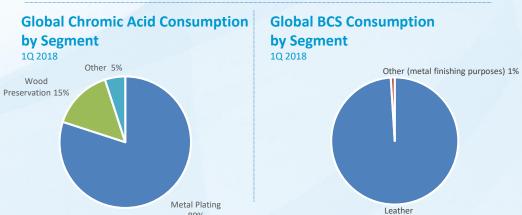
Industry Dynamics

- ◆ 390K tons Basic Chromium Sulphate ("BCS") global market, 153K tons Chromic Acid global market
- Demand drivers: leather, automotive, construction, wood preservation
- Largest consumers are China and Brazil
- Global capacity utilization of BCS at 57% and Chromic Acid at 64%



Consumption Growth Chromic Acid BCS Turkey Global Turkey Global 1,0% 0,5% 0,5% 1,5% 1,5% 2010-2015 2017-2022 2017-2022 2010-2015 2017-2022 2017-2022 **Global Chromic Acid Market Global BCS Market** 1Q 2018 1Q 2018 Asia Pacific Asia Pacific





99%



Appendix



Summary Financials

BALANCE SHEET (TRY mn)	2016	2017	1Q 2018	Change
Total Assets	3.317	3.881	4.490	16%
Cash & Cash Equivalents	971	783	1.102	41%
Financial Assets	108	552	582	5%
Trade Receivables	412	480	524	9%
Inventories	204	240	307	28%
Equity-Pickups	281	328	374	14%
Property, plant and equipment	1.209	1.295	1.360	5%
Intangible assets	17	32	33	2%
Tax & Deferred Tax Assets	15	5	18	275%
Other*	99	165	189	14%
Total Liabilities	714	688	1.219	77%
Interest Bearing Liabilities	293	313	509	62%
Trade Payables	236	276	294	7%
Provisions	33	44	60	37%
Tax & Deferred Tax Liabilities	30	19	48	157%
Other**	122	37	308	742%
Equity	2.603	3.192	3.271	2%
Equity holders of the parent	2.599	3.188	3.266	2%
Minority Interest	4	5	5	12%

^{*}Other Receivables, Prepaid Expenses, Other Current & Non-Current Assets



^{**}Other Payables, Deferred Income

Summary Financials

INCOME STATEMENT (TRY mn)	2016	1Q 2017	2Q 2016	1H 2017	9M 2017	2017	1Q 2018	YoY Change
Revenue	2.068	592	509	1.193	1.796	2.451	701	18%
Cost of Goods Sold	-1.395	-373	-345	-763	-1.163	-1.597	-441	18%
Gross Profit	673	220	165	429	633	854	260	18%
Research and development	-8	-1	-2	-1	-2	-3	-1	43%
Sales and marketing	-178	-65	-45	-144	-214	-291	-87	33%
General and administrative	-70	-25	-21	-42	-59	-80	-22	-11%
Other income (expense), net	29	3	2	0	3	28	18	450%
Income from Equity Pick-ups	72	25	15	52	72	92	19	-22%
Income/Expense from Investing					I I			
Activities	14	1	0	-5	3	43	34	2555%
EBIT	531	159	114	289	435	643	221	39%
EBITDA	629	191	137	355	536	779	256	33%
Financial Income, net	113	41	17	41	55	88	43	5%
Income before Tax	645	200	131	330	491	731	264	32%
Tax Expense, net	-68	-32	-19	-46	-68	-69	-25	-21%
Net income	577	168	111	284	423	662	239	42%
Net income after Minority Interest	576	168	111	284	423	661	239	42%
Minority Interest	0,8	0,2	0,2	0,4	0,7	0,9	0,2	-10%
Earnings per share (TL):	0,640	0,186	0,148	0,378	0,470	0,735	0,265	42%



Summary Financials

CASH FLOW STATEMENT (TRY mn)	2012	2013	2014	2015	2016	2017	1Q 2017	1Q 2018
Net Profit	133	208	388	441	577	662	168	239
Non-cash	83	58	-21	-14	-56	-27	4	-32
Operating cash flows provided before changes w/c	216	266	367	427	521	635	172	206
Change in w/c	-69	-207	149	-24	-12	-135	-67	-42
Cash flows from operating activities	147	59	515	403	509	500	105	164
Interest paid	-13	-12	-13	-14	-21	-20	-1	-1
Interest received	7	11	20	19	28	55	11	10
Dividend paid	0	-32	-46	-60	-240	-201	0	0
Taxes paid	-27	-32	-55	-80	-58	-81	-31	-10
Capex	-91	-109	-104	-227	-170	-133	-33	-64
Free Cash Flow	23	-115	317	41	48	120	51	99
Proceeds from sale of property, plant and equipment	1	0	0	1	0	0	0	0
Other cash flows from operating activities	-5	-2	-7	-2	-3	-4	-1	-2
Other cash flows from investing activities	9	46	124	67	-5	-394	-156	-11
Proceeds from financial liabilities	60	335	45	33	16	32	0	175
Repayments of financial liabilities	-106	-253	-80	-63	-82	-51	-3	-4
Other cash flows from financing activities	0	3	3	0	-9	-2	0	0
FX gain/loss on cash and cash equivalents	-12	42	22	132	147	111	46	55
Net decrease/increase in cash and cash equivalents	-30	57	424	210	113	-188	-63	312



ŞİŞECAM GROUP OVERVIEW



Şişecam at a Glance

\$3 Billion Revenue

4,8 Million Tons Glass Production

2,3 Million Tons Soda Production

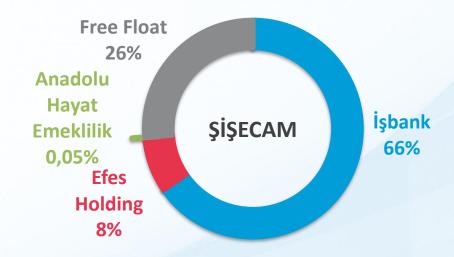
21.727 Employees Presence in 13
Countries

5th Flat Glass Producer Globally

3rd Glassware Producer Globally 5th Glass Packaging Producer Globally

10th Soda Ash Producer Globally Leader Producer in Basic Chromium Sulfate Globally

4th Chromic Acid Producer Globally





82 year of corporate history

150 Export Countries

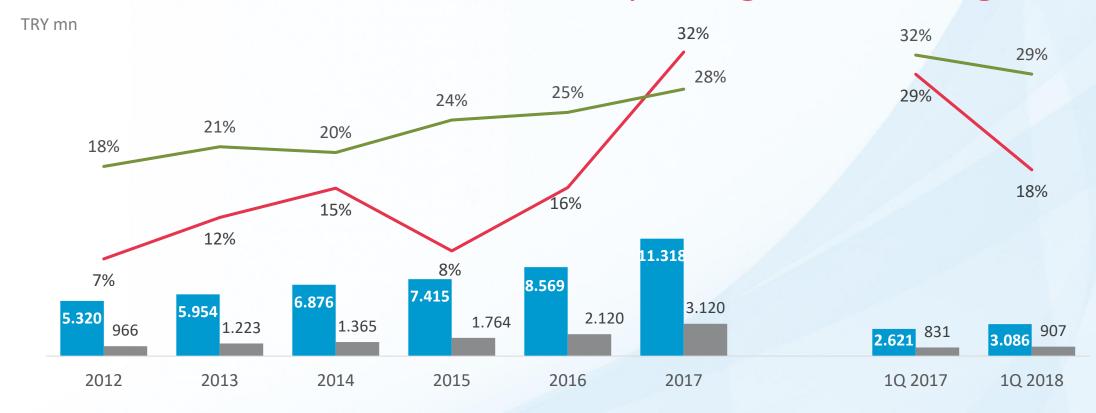
42 Production Plants

\$2,4 Billion Market Cap.

Listed Company since 1986

Key Financial Indicators

Sustained Growth in Revenue with Improving EBITDA Margin

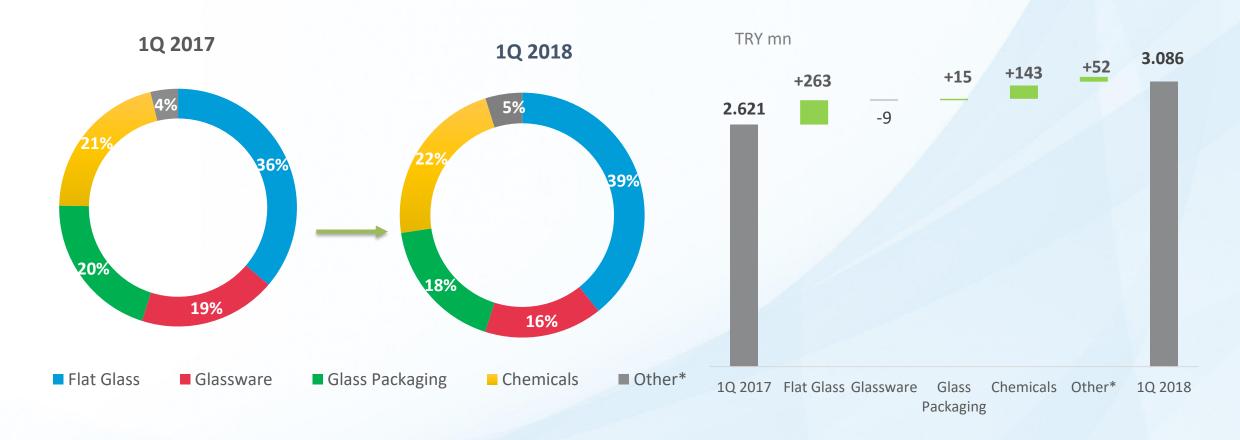






Financial Highlights - Revenue

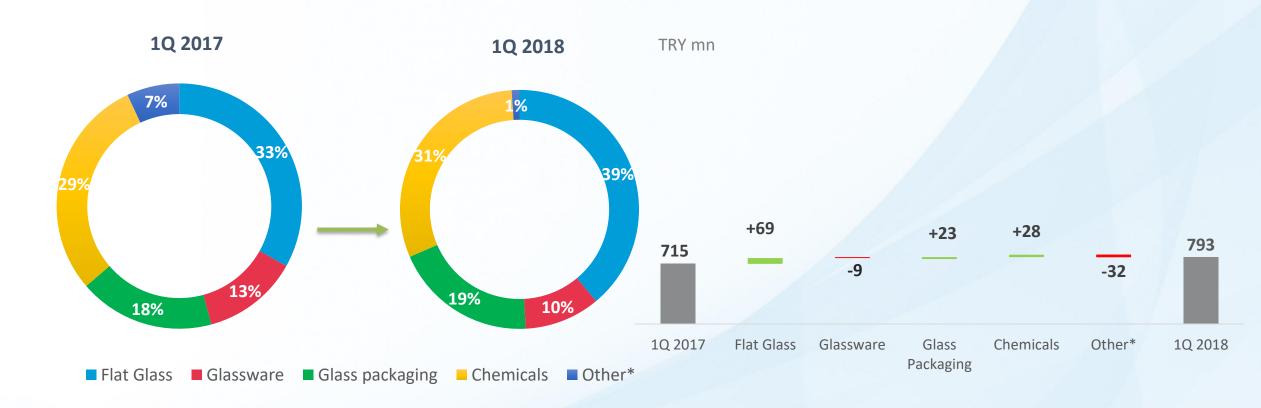
Segments' Contribution to Revenue





Financial Highlights - EBITDA

Segments' Contribution to EBITDA**



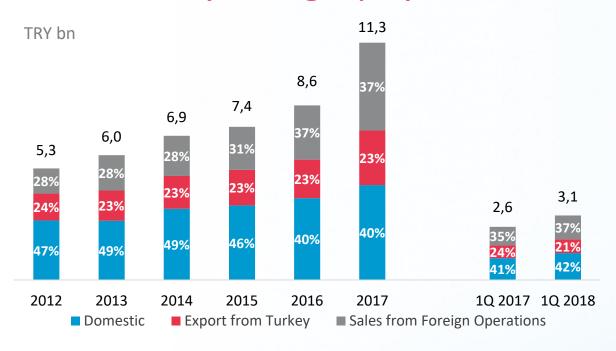


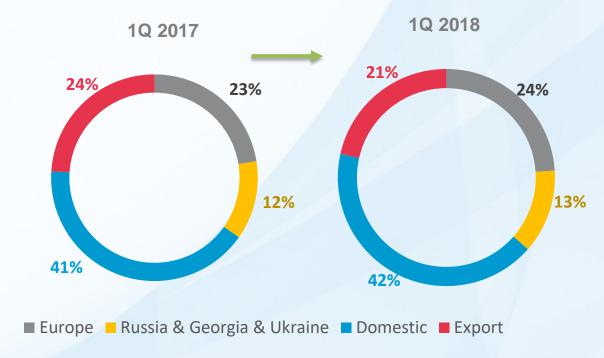
^{*}Consists of energy trade of Şişecam

^{**} Excluding one-off incomes

Revenue & Cash Generation

Revenue by Geography



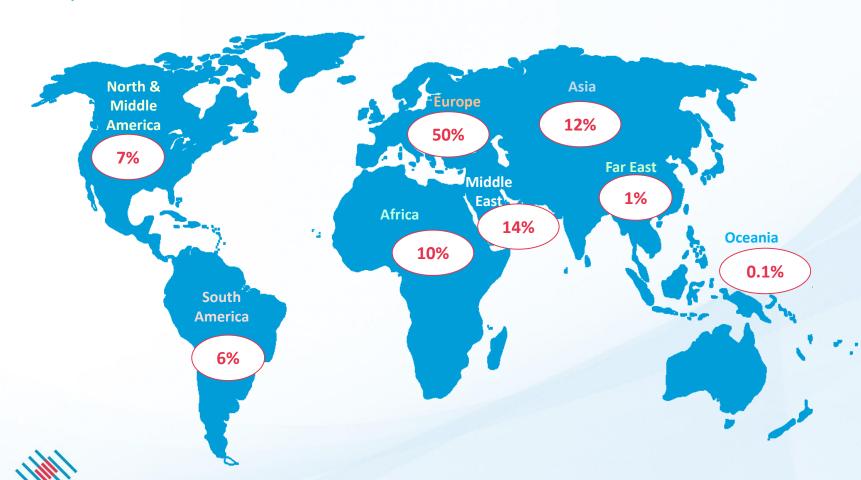




Revenue & Cash Generation

Exports from Turkey

Exports of USD 190 Million in 1Q 2018 to 150 countries

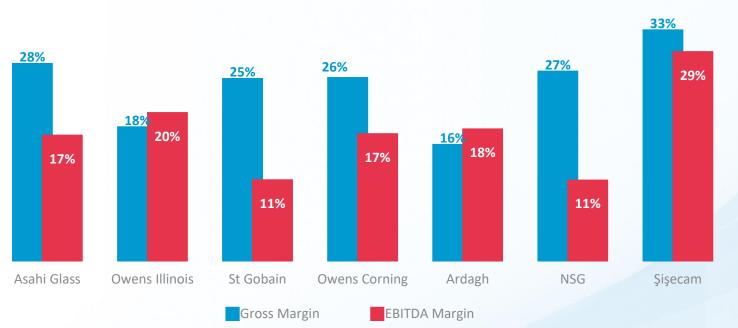


Top 10 Countries

Italy	14%
Egypt	7%
Bulgaria	5%
France	4%
Lebanon	4%
USA	4%
Saudi Arabia	4%
Spain	4%
France	4%
Germany	4%

Global Presence

Strong Global Player with Competitive Profitability



Glass Revenues'	Share in Total
Owens Illinois	100%
NSG	100%
Şişecam	73%
Asahi Glass	50%
Ardagh	36%
St Gobain	26%

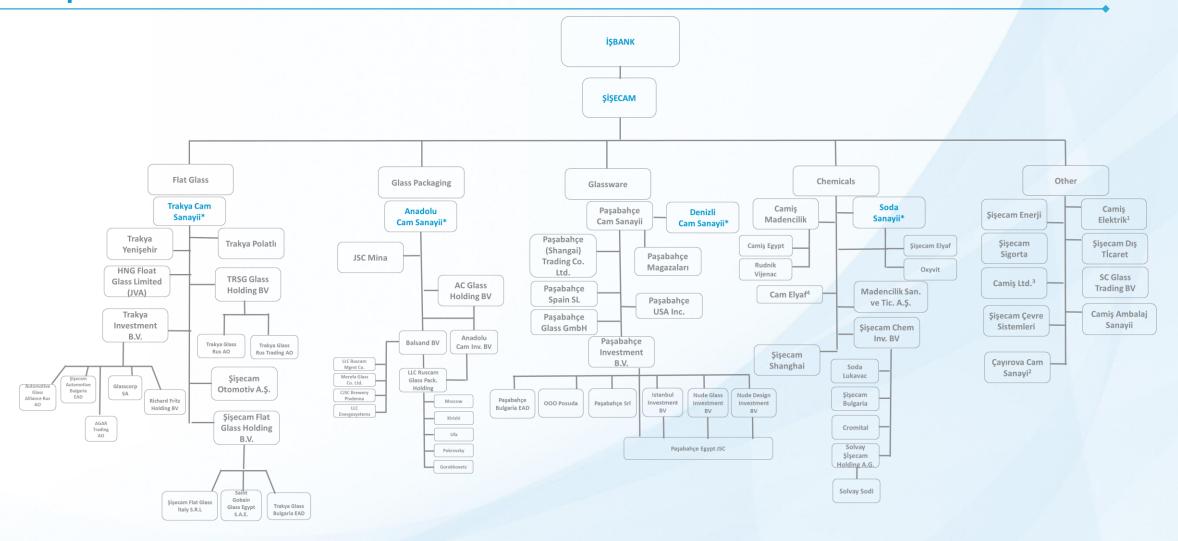


Şişecam History





Corporate Structure





^{1.}Şişecam, Trakya Cam and Anadolu Cam have shares on Camiş Elektrik

^{2.}Şişecam and Trakya Cam have shares on Çayırva Cam Sanayi

^{3.} Şişecam and Paşabahçe have shares on Camiş Ltd

^{4.} Çayırova Cam have shares on Cam Elyaf

Operating Territories

PRODUCTION PLANTS IN TURKEY

SISECAM FLAT GLASS

Trakya Cam Sanayii A.Ş. Trakya Plant - Kırklareli Mersin Plant - Mersin Trakya Yenişehir Cam Sanayii A.Ş. Yenişehir Plant - Bursa Trakya Polatlı Cam Sanayii A.Ş. Polatlı Plant - Ankara Şişecam Otomotiv A.Ş.

Şişecam Otomotiv Plant - Kırklareli

ŞİŞECAM GLASSWARE

Paşabahçe Cam San. Ve Tic. A.Ş. Kırklareli Plant Eskişehir Plant Denizli Cam San. Ve Tic. A.Ş. Denizli Plant Camiş Ambalaj Sanayii A.Ş. Tuzla Plant- İstanbul

ŞİŞECAM GLASS PACKAGING

Anadolu Cam Sanayi A.Ş. Mersin Plant Yenişehir Plant - Bursa Eskişehir Plant

Soda Sanayi A.Ş.

Soda Plant - Mersin Kromsan Krom Bileşikleri Plant - Mersin Camiş Madencilik

Cities in operation: Aydın, Balıkesir, Bilecik, İstanbul, Karabük, Kırklareli, Mersin

Cam Elyaf San. A.Ş.

Oxyvit Kimya San. ve Tic. A.Ş.



Russia

Trakya Glass Rus

Automotive Glass Alliance Rus



Prudent Risk Management Policies

Leverage	Leverage with conservative NET DEBT / EBITDA levels
Liquidity	Maintain sufficient liquidity to meet short-term funding and finance equity portion of Capex
FX Position	FX position limited to +/- 25% of shareholder's equity
Counterparty	Not only a diversified relationship banks portfolio, but also access to international debt capital and loan markets at favorable rates.
Interest Rate	Balanced fixed and variable rate loan book
Derivatives	Limited to hedging only, no speculative trading



Credit & Corporate Governance Ratings

Credit Ratings

MOODY'S	LT FCY Rating	Ba1	Stable
S&P	LT FCY Rating	BB-	Stable

Corporate Governance

Corporate Governance Rating of Sisecam was revised to 9,48 from 9,44 in December 2017.

As a Corporate Policy, Şişecam continues to strive for reaching the highest level of Corporate Governance practices, where its heritage of «good corporate governance practices» has already been evidenced by the recent rating received.

Sustainability remains at the core of operations and strategy, with continuously improved practices. http://www.sisecam.com.tr/en/sustainability/sustainability/sustainability-reports



Sustainability

	Energy Consumption Values by Source (GJ)								
	Natural Gas	Other	TOTAL						
2013	46,871,900	42,000	3,934,600	3,348,800	36,500	54,233,800			
2014	48,940,700	39,700	4,010,600	3,267,300	19,400	56,277,700			
2015	46,429,900	44,700	3,863,600	3,203,100	69,200	53,610,400			
2016	46,943,100	27,700	3,917,700	4,497,700	77,200	55,463,400			



Sustainable Energy Measurement and Tracking System

By means of the on line energy monitoring system (SEOIS), which was established in line with our global targets, main energy consumption items at 16 facilities instantaneously monitored and facilities can be compared based on the energy consumption at Headquarters. With the instant measurements, a significant database is generated in relation to energy consumption which allows on line system failures and/or low performance monitoring and requesting immediate remediation to ensure optimum performance and productivity.



ORC Waste Heat Recovery

"Organic Rankine Cycle (ORC) Waste Heat Recovery (WHR)" technology was approved as the most suitable waste heat recovery technologies and it was decided to beimplement in 3 plants with glass melting processes.

Trakya Glass Mersin ORC waste heat recovery (WHR) facility, which has the highest energy recovery potential, was completed in 2016. In December 2016, the preliminary tests of the plants were performed with a potential of 4.2 MWh electricity generation. The maximum electricity production capacity of this facility is 4.82 MWh. With the waste heat recovery implemented at the factories, the electricity demand supplyied from grid will be reduced by around 35-40% annually. ORC WHR at its maximum capacity results in o 16,500 tons of CO $_2$ annual reduction.

Afforestation - Areas between five to ten acres within the sites of the Group's facilities are set aside as forest area while Sipecam Memorial Forests are also brought to life in all regions where the Group conducts operations. To this end, Carnis Madencilik A.S. boasts a Sipecam Memorial Forest that has reached 1.489 acres (368 dunams) in a culmination of forestation efforts initiated in 2000 in the Yaliköy area, where its pit and facilities are located. Thanks to its sapling planting activities sunched in Cankurtaran region, Denizil Carn Sanayli ver Ticaret A.S. created a mini forest with grown trees on an area of 12 acres (three dunams). There are approximately 6,500 trees and saplings on the plant site, nearly 50% of which is wooded area. Sood Sanayli A.S. initiated planting activities in 2006 in the Mersin region. Efforts to set aside forest areas and plant trees continue to be carried out every year. During the 11th Tree Planting Festival in 2016, 3 thousand saplings were planted by the families of employees and retrees. Some 37 thousand trees have been planted since the festival

Şişecam Group provides Education Incentive Scholarships to its employees and their children who attend school. Under this program, Sişecam awaredd scholarships totaling TRY 3,678,742 to staff and their children in 2016.



Glass and Glass Again on Social Media!

Facebook and Instagram accounts of Glass and Glass Again were opened in the reporting period. Information regarding communication activities are shared and questions of followers regarding recycling are answered through the social media accounts, where we also provide information regarding glass recycling.

Instagram /CamYenidenCamProjesi Facebook /camyenidencam



"Green Point Industry Award" for Glass and Glass Again

Sisecam Group was deemed worthy of the Green Point Industry Award, organized by GEVKO Foundation for the third time this year, in the category of "Environment Themed Social Responsibility Practices" for the studies conducted with "Glass and Glass Again" project. Sisecam Group Cayrrova Sports Club - The Cayrrova Sports Club was originally founded by Sisecam under the name Cayrrova Sailing Sports Club with the objective of attracting young people to sports and contributing to the physical and moral development of youth through sports activities. After having started operations at the Cayrrova Sports Facilities complex in 1982, it obtained federated club status from the General Directorate of Youth and Sport in 1984. Project for the Protection of Kazanli Sea Turtle Population- The Kazanli coast in Mersin province stands out as one of the world's most important spawning areas of endangered sea turtle species. Under the Project for the investigation, Examination and Protection of the Populations of Kazanli Sea Turtles in Mersin Province, ongoing since 2007 in cooperation with Soda Sanayil A.S. and Mersin University, protection is provided for the nesting sites of the endangered species "Caretta Caretta" and "Chelonia Mydas" turtles. Thanks to this since 2007, with 1,705 sea turtle nests recorded in 2016 - an all-time high. In addition, as part of the efforts to raise awareness, the Company educated the local population on the subject while carrying out initiatives to protect the endangered sea turtles.



Şişecam Group listed on the "BIST Sustainability Index" of Istanbul Stock Exchange

Şişecam Group is listed on the "BIST Sustainability Index", which includes companies traded on Istanbul Stock Exchange with a high sustainability performance and is aimed at enhancing sustainability understanding, knowledge and practices among Istanbul Stock Exchange companies in Turkey.



As \$i\$ecam Group, we have been participating in CDP Climate Change program since 2011 and CDP Supply Chain program since 2012. \$i\$ecam was one of the 50 companies joining the platform from Turkey in 2016.



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FX Rates

	2012	2013	2014	2015	2016	2017	1Q 2017	1Q 2018
USD/TL								
Period End	1,78	2,13	2,32	2,91	3,52	3,77	3,64	3,95
Period Average	1,79	1,90	2,19	2,72	3,02	3,64	3,69	3,81
EUR/TL								
Period End	2,35	2,94	2,82	3,18	3,71	4,52	3,91	4,87
Period Average	2,30	2,53	2,90	3,02	3,34	4,11	3,93	4,68



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