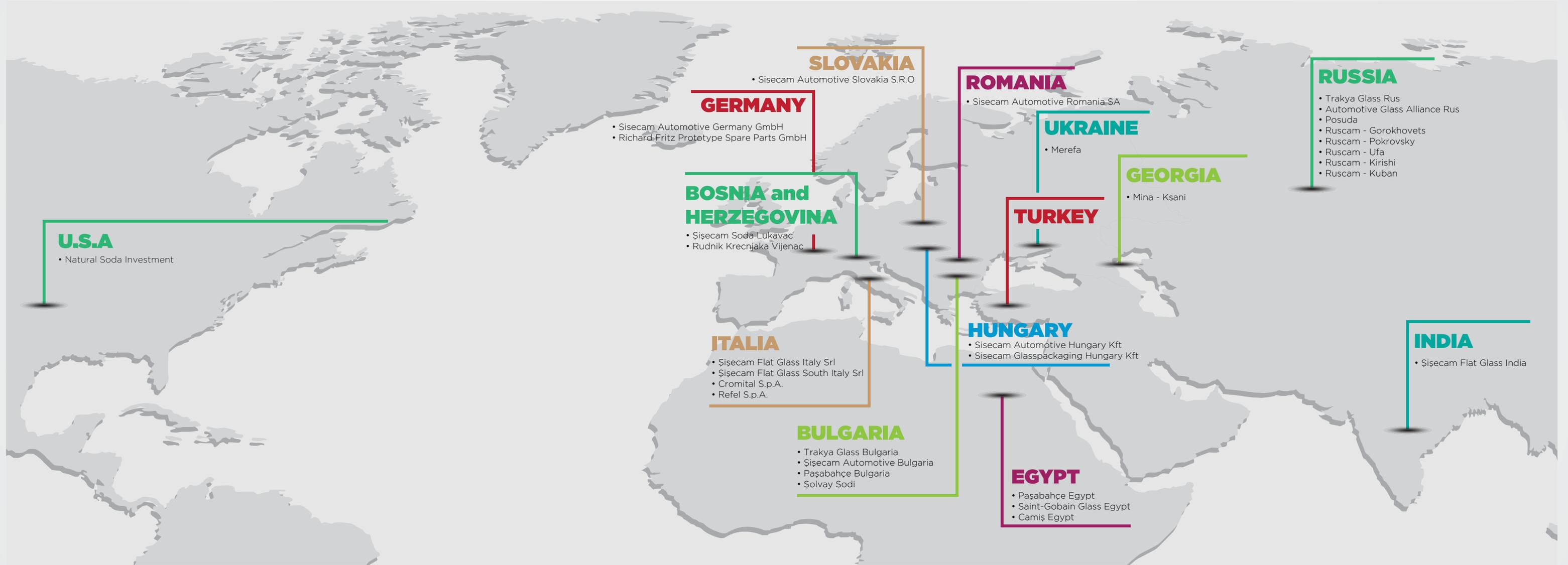


ŞİŞECAM

PRODUCTION IN 4 CONTINENTS

Şişecam maintains its production operations in **4** continents and **14** countries with **45** plants in total and **23-thousand** employees and makes sales in more than **150** countries.



ŞİŞECAM PRODUCTION PLANTS IN TURKEY

Flat Glass

Kırklareli Plant Branch
Mersin Plant Branch
Bursa Plant Branch
Ankara Plant Branch

Glassware

Kırklareli Plant Branch
Eskişehir Plant Branch
Denizli Plant Branch
Camiş Ambalaj Sanayi A.Ş.
Tuzla Plant

Glass Packaging

Mersin Plant Branch
Yenişehir Plant Branch
Eskişehir Plant Branch

Chemicals

Mersin Soda Plant Branch
Mersin Kromsan Plant Branch
Oxyvit Kimya Sanayii ve Ticaret A.Ş.
Mersin Plant
Mersin Kojenarasyon Plant

Automotive Glass

Otocam Plant

Mining

Yalıkoy Sand Processing Facilities
Trakya Limestone and Dolomite Grinding Plant
Bilecik Raw Material Processing Facilities
Balıkesir Duvertepe Kaolin Crushing and Screening Plant
Aydın Çine Feldspar Processing and Magnetic Separation Plant
Karabük Quartz Sand Processing Plant
Mersin Quartz Sand Processing Plant
Mersin Limestone and Dolomite Grinding Plant

Glass Fiber

Şişecam Elyaf Sanayii A.Ş.
Balıkesir Plant

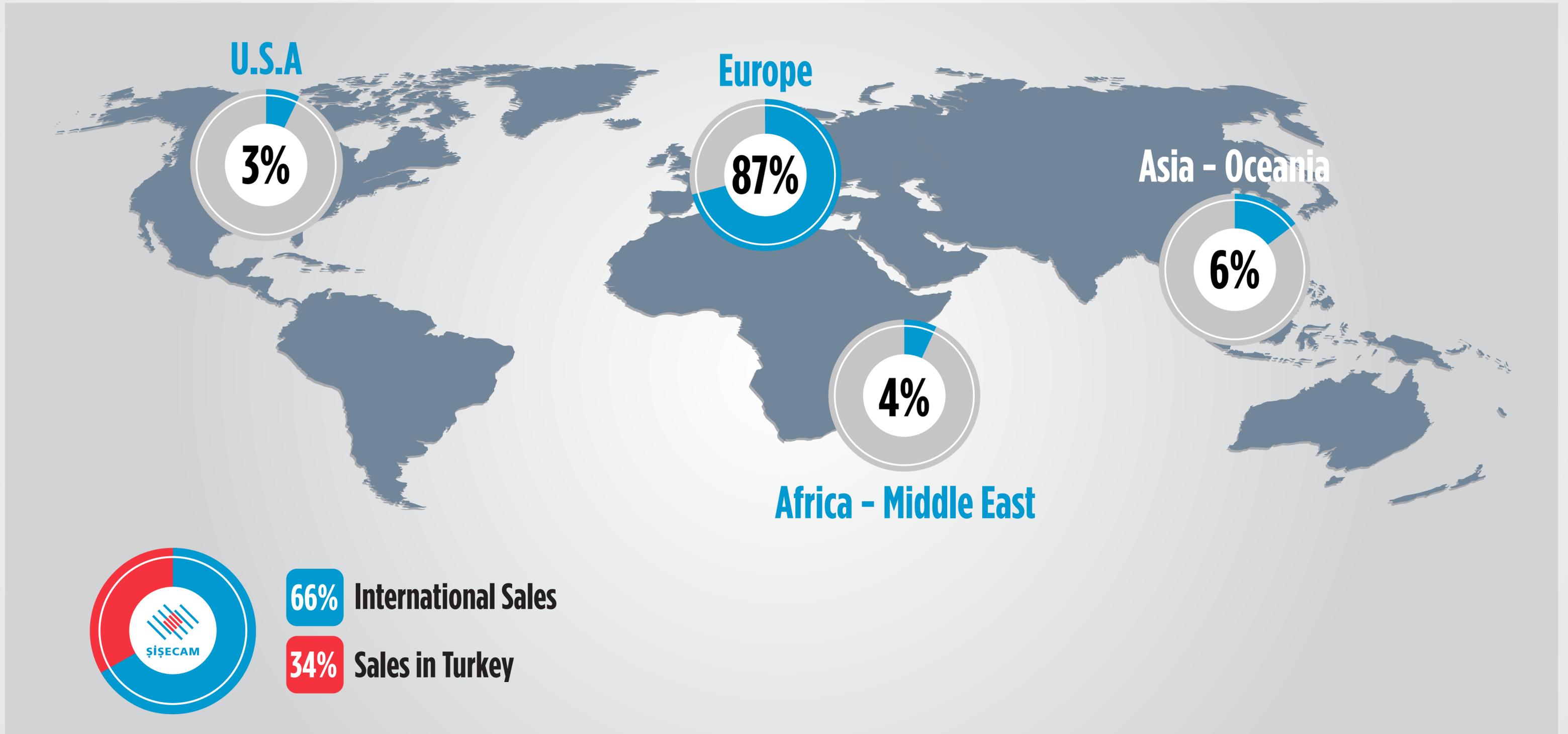
Energy

Camiş Elektrik Üretim A.Ş.
Trakya Regional Power Plant

Recycle

Şişecam Çevre Sistemleri A.Ş.
Yenişehir Facility
Eskişehir Facility

ŞİŞECAM'S EXISTENCE IN GLOBAL MARKET



AREAS OF ACTIVITY

 FLAT GLASS	 HOUSEHOLD GLASSWARE	 GLASS PACKAGING	 CHEMICALS	 AUTOMOTIVE
<p>Architectural glasses, solar power glasses, white goods glasses</p>	<p>Automatic and handcrafted household glassware production from soda, crystalline, heat-resistant borosilicate glass, and lead-free crystal, paper and cardboard packaging production, and retailing.</p>	<p>Glass packaging production for the food, beverage, pharmaceuticals, and cosmetics industries</p>	<p>Production of soda derivatives and chromium chemicals, glass-fiber, industrial raw materials, electricity, Vitamin K3 derivatives, and sodium metabisulphite.</p>	<p>Şişecam is Turkey's leading automotive glass producer. Utilizing state-of-the-art production technologies and boasting synchronous design capabilities, the Company meets the differentiated needs of customers in the global automotive industry as well as in the spare parts market.</p>

GLOBAL POSITION*

Flat Glass	Europe	Global
Glassware	1	5
Glass Packaging	2	2
Chemicals - Soda Ash**	5	5
	4	2

* On the basis of production as of 2021

** In the European position, only the total production capacities of the manufacturers in their factories in the European Area are evaluated

AREAS OF ACTIVITY



MINING

Şişecam is Turkey's largest glass raw materials producer. The Company is a reliable and sustainable raw material supplier for its own glass and glass fiber production facilities as part of its mining operations. In addition, Şişecam provides high-quality sustainable raw material input to numerous sectors, including glass, ceramics, chemicals, metallurgy, agriculture and construction.

Turkey's largest glass raw materials producer

A major player in feldspar markets across Europe and the Middle East



ENERGY

Şişecam executes energy operations in electricity and natural gas markets. The Company's operations are aimed at generating and trading electricity and energy capacity; trading, importing, exporting and storing compressed natural gas (CNG) and liquefied natural gas (LNG); and building the infrastructure necessary to perform such operations. Şişecam also conducts marketing, research and business development activities in this area.

Over 1 billion kwh of electricity and

over 500 million m³ of natural gas trade per year



GLASS FIBER

Şişecam is Turkey's first and only glass fiber producer. The Company acts as a guarantor of local glass fiber supply for sectors it provides input. Şişecam transforms local resources into value-added products via the production of glass fiber, one of the key inputs of the composite industry. With its extensive R&D operations, Şişecam serves a wide array of sectors worldwide - including wind energy, electronics, automotive, engineering plastics, infrastructure, marine, industrial applications, defense and construction - with glass fiber products certified by international quality institutions.

45 years of experience

Turkey's first and only glass fiber producer



RECYCLING

Şişecam is Turkey's leading group in glass recycling. The Company recovers resources by recycling waste within the endless cycle of glass - the world's most sustainable packaging material. Waste glass is separated from other contaminants and glass is sorted on the basis of color (e.g. amber, flint, green) at Şişecam's recycling facilities.

Modern glass recycling facilities in Bursa and Eskişehir

with a capacity of 378 thousand tons/year

* On the basis of production

ŞİŞECAM AT A GLANCE

5.6-MILLION TONS
OF GLASS PRODUCTION

Ranks as the 5th
Largest Player
Globally in Flat Glass

2.3-MILLION TONS
OF SODA PRODUCTION

Ranks as the 2nd
Largest Player
Globally in Household
Glassware

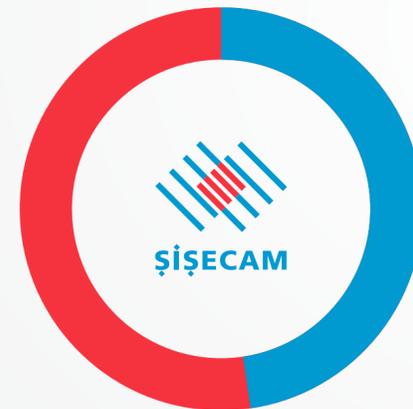
23.000
EMPLOYEES

Ranks as the 2nd
Largest Player
Globally in Soda
Ash Production

PRODUCTION IN
14 COUNTRIES

Leader in Basic
Chromium Sulphate
Production

Ranks as the 4th
Largest Player
Globally in Chromic
Acid Production



PUBLICLY LISTED BY 49%

**OWNED BY İŞ BANKASI
AND AFFILIATES THEREOF BY 51%**

86 YEARS OF
CORPORATE HISTORY

EXPORTS TO
150 COUNTRIES

PRODUCTION
AT 45 PLANTS

LISTED IN STOCK
EXCHANGE SINCE 1986

RUSSIAN FEDERATION



MARKET LEADER

Şişecam is in the leading position in Russia with its glass packaging and glassware production capacities. With a market share of nearly **30%** Şişecam is the market leader in glass packaging and glassware



USD 1,61 BN

Şişecam's investments in Russian Federation exceed **USD 1.61 BN**.



5 THOUSAND EMPLOYEES

Şişecam employs nearly **5-thousand** persons at its 9 plants in Russian Federation.



1.6 MILLION TONS OF PRODUCTION

Şişecam Flat Glass, Glass Packaging, and Household Glassware plants operating in Russia have an annual production capacity of more than **1,6 million tons**.



3.2 MILLION m² PRODUCTION

Şişecam Automotive Glass Alliance Rus A0 plant operating in Tatarstan serves with an annual automotive glass production capacity of **3.2 million m²**.



MORE THAN 20 YEARS OF EXISTENCE

Şişecam has been performing its operations for more than **20 years** in the Russian Federation.

RUSSIAN FEDERATION



Economy

Being the largest exporter of Russia in its industry, Şişecam offers considerable benefits in its capacity of a domestic capital entity.



Training

The **Leadership School** opened by Şişecam Academy has also been put into place within Russian Glass Packaging. In this context, the trainees find the opportunity to improve their capabilities during the classroom training given in Russian.



Digitalization Investments

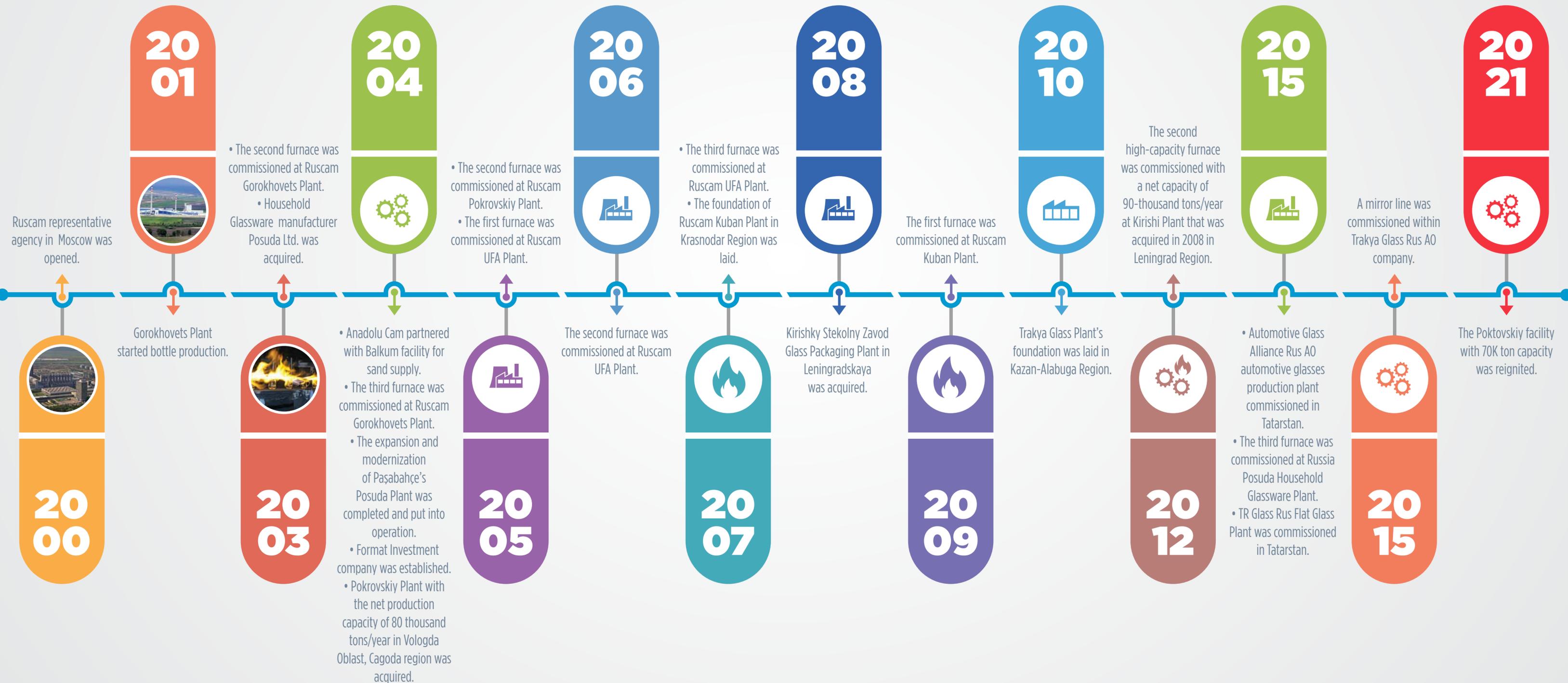
The investments of Şişecam on digitalisation have been amounted to approximately **USD 10-15 MN** in the Russian Federation.



Sales Contribution

Around **14%** of Şişecam consolidated net sales (~ RUB 21 BN) originated from companies located in the Russian Federation.

JOURNEY OF ŞİŞECAM IN RUSSIAN FEDERATION



Richard Fritz Holding GmbH, the choice of the world's leading high-end car makers, was acquired by Şişecam in 2013.



€ **65 MN**

Şişecam's total investments in Germany, Hungary, and Slovakia amounts to nearly **Eur 65 million**.



15-MILLION
PLATES

Şişecam plants in Germany, Hungary, and Slovakia operate with a total production capacity of **15 Million** plates per year.



945
EMPLOYEES

Şişecam Otomotiv nearly **945 persons** at its **4 plants** in Germany, Hungary, and Slovakia.



4 PRODUCTION
PLANTS

Şişecam Otomotiv encapsulated glass production plants operating within Şişecam Automotive Co., Inc. are established at **4 different** locations of Europe, two in Germany and one in each Hungary and Slovakia.



World Leader in Technology

Operating within Şişecam, Şişecam Otomotiv ranks as the world leader in the encapsulated glass production technologies thanks to its design, engineering, and know-how.



Production for High-End Brands

Among the customers of Şişecam Otomotiv plants in Germany, Hungary, and Slovakia, there are high-end car brands such as **Audi, Bentley, BMW, Daimler, Porsche** and **Rolls Royce**.

Şişecam will establish its first glass packaging plant in Europe with 2 furnaces in Hungary.



GLASS PACKAGING PRODUCTION INVESTMENT

Şişecam will establish its first glass packaging plant in Europe with 2 furnaces in Hungary. The greenfield glass packaging project with two furnaces and 220 million EUR investment will have an annual net production capacity of 330,000 tons. The Hungarian facility is planned to be commissioned in 2023 and reach full production capacity in 2025.

JOURNEY OF ŞİŞECAM IN GERMANY - HUNGARY - SLOVAKIA



BOSNIA AND HERZEGOVINA



€ **190 MN**

Investments by Şişecam in Bosnia and Herzegovina near **EUR 190-million**.



2.1 MILLION TONS
OF PRODUCTION

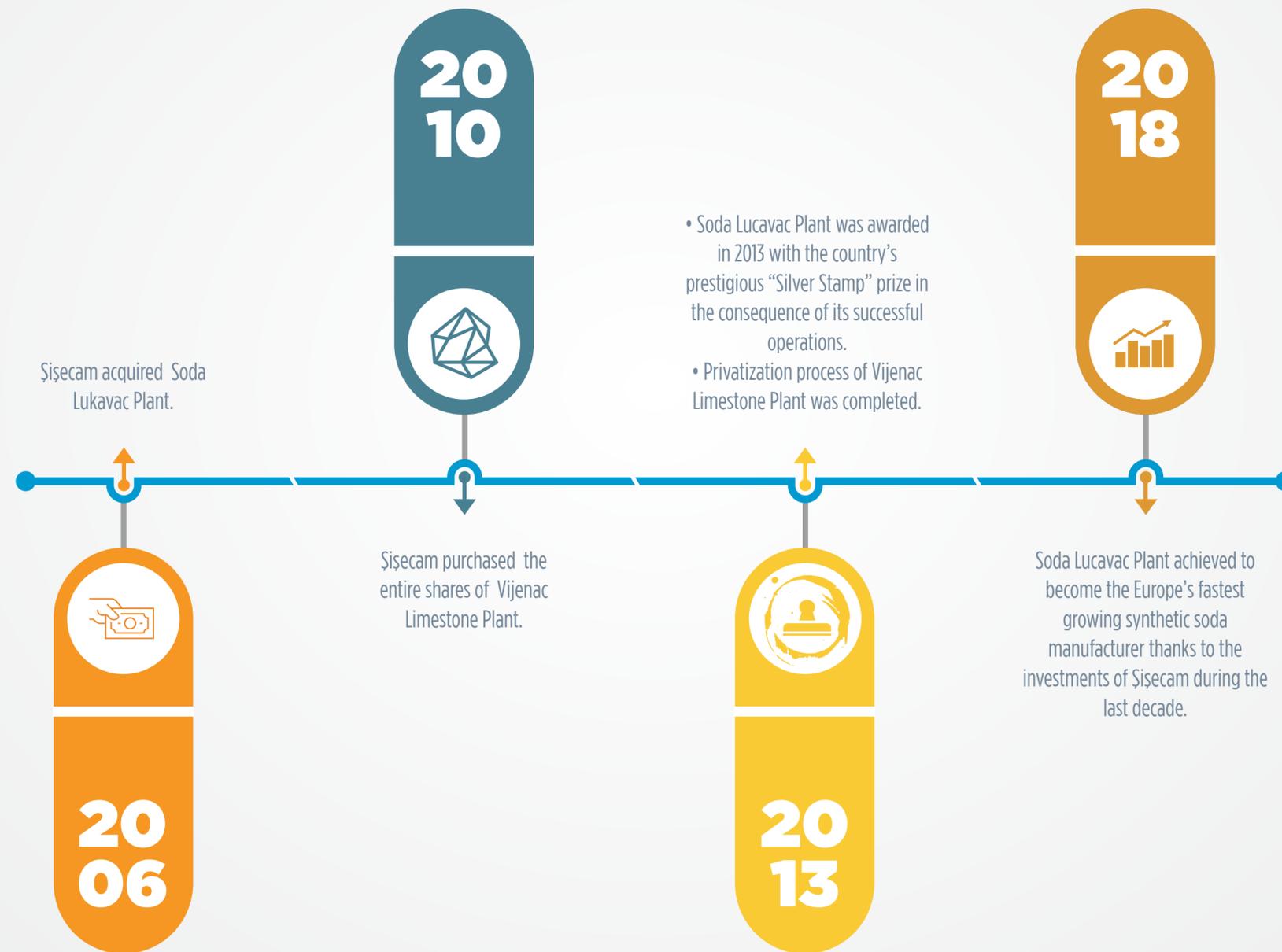
Şişecam Soda Lukavac plant and Rudnik Kretnjaka Vijenac D.O.O. operating in Bosnia and Herzegovina serves with an annual production capacity of **2.1 million tons**.



1.000
EMPLOYEES

Şişecam employs nearly **one-thousand persons** through its operations in **2 plants** in Bosnia and Herzegovina

ŞİŞECAM'S JOURNEY IN BOSNIA AND HERZEGOVINA



BULGARIA



The Largest Greenfield Investor

Şişecam took the first step of new direct investments in Bulgaria in 2004 and laid the foundations of its plants for the production of basic glasses, white goods glasses, automotive glasses, and household glassware. Thanks to this large-scale direct investment, the Group holds the title of “The Biggest Greenfield Investor” in Bulgaria.



USD 905 MN

Investments by Şişecam in Bulgaria more than **USD 905-million**.



3-THOUSAND AND 070 EMPLOYEES

Şişecam employs nearly **3,070 persons** at its **5 plants** in Bulgaria.



620 THOUSAND TONS OF PRODUCTION

Şişecam Flat Glass and Household Glassware Plants operating in Bulgaria has an annual production capacity of **620 thousand tons**.



5.3 MILLION m² PRODUCTION

Şişecam processed glass and automotive glass plants operating in Bulgaria has an annual production capacity of **5.3-million m²**.



Sustainable Investment Award

Şişecam, was awarded the “**Sustainable Investment Award**” given for the first time in 2020 by the Bulgarian Investment Agency.



Power

Within the framework of the Group's sustainability approach, the waste-heat of the production process is recovered to generate electric power thanks to the investment made in **2015** in the Bulgarian Flat Glass Plant. Thus, the waste-heat of the natural gas firing melting furnaces is recovered.



Leadership

The Bulgarian Glass Association established by Şişecam in 2018 for the development of the industry represents the Bulgarian glass industry both nationwide and also at the industrial institutions and organizations in **Europe**.



Innovation

At the household glassware plant in Bulgaria, the melting process is conducted via **oxy-fuel** (burning process with a mixture of oxygen and natural gas instead of air) technology. Thanks to this technology, which is the first in the global household glassware production industry, natural gas is saved by **6 to 8%** annually as a result of the preheating of oxygen and natural gas prior to their delivery to the burning process.



Training

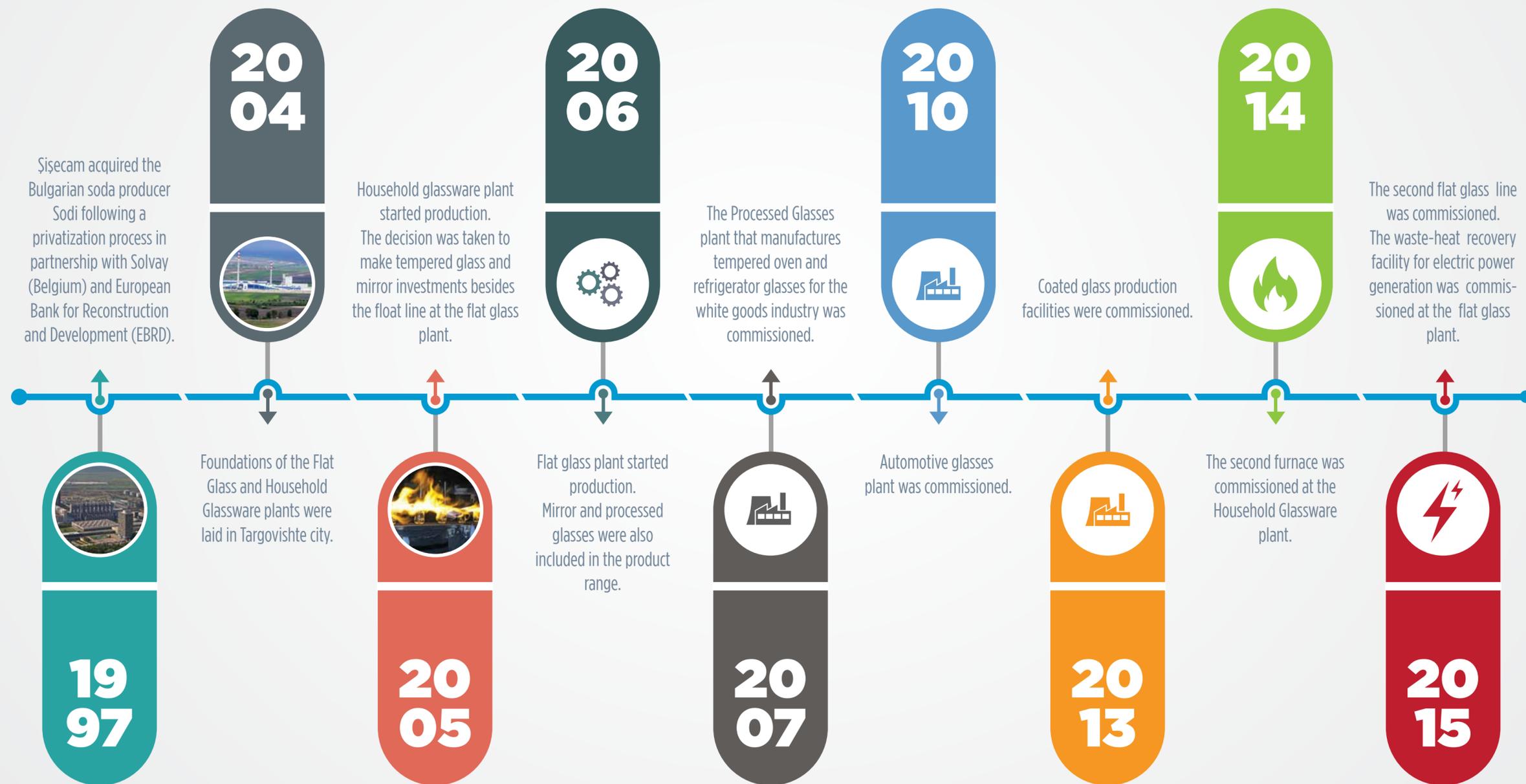
Cooperation is made with schools and training scholarships are granted to create employment opportunities in the region and to benefit from the hands-on vocational training practices and incentives.



True Leaders Award

Within the scope of "**ICAP True Leaders**" awards granted in Bulgaria since 2012 to determine the leading companies of Bulgaria, Paşabahçe Bulgaria EAD Plant was awarded in 2017 with the prize of "**Industry Leader**".

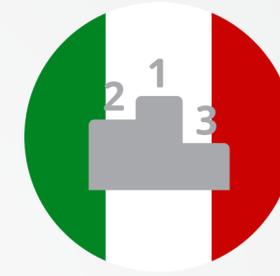
ŞİŞECAM'S JOURNEY IN BULGARIA





Chromic Acid
Production
**LEADER in
EUROPE**

Cromital S.p.A investment plays a major part in Şişecam leading position in the chromic acid production in Europe.



Liquid and Powdered
Basic Chromium
Sulphate Production
LEADER in ITALY

Besides providing inputs for many industries in Europe led by the Italian leather and metal plating sector, Cromital S.p.A. is in a leading position in the chromium based chemicals business line in Italy, which is the largest leather processing center in Europe, thanks to its liquid and powdered basic chromium sulphate production and sales.



€ **172 MN**

Investments by Şişecam in Italy more than **EUR 172-million**



6.000 TONS OF PRODUCTION

Operating in the AZS refractory material field, Refel S.p.A. plant serves with an annual production capacity of **6.000 tons**.



410 THOUSAND TONS OF PRODUCTION

Şişecam Flat Glass Plants operating in Italy have an annual production capacity of **410 thousand tons**.



Flat Glass Production **LEADER in EUROPE**

Today, it is the Europe's largest flat glass producer with Şişecam annual flat glass production capacity of more than **2.8 million tons**.



550 EMPLOYEES

Şişecam employs **550 persons** within the scope of its Italian Operations.



RECYCLING

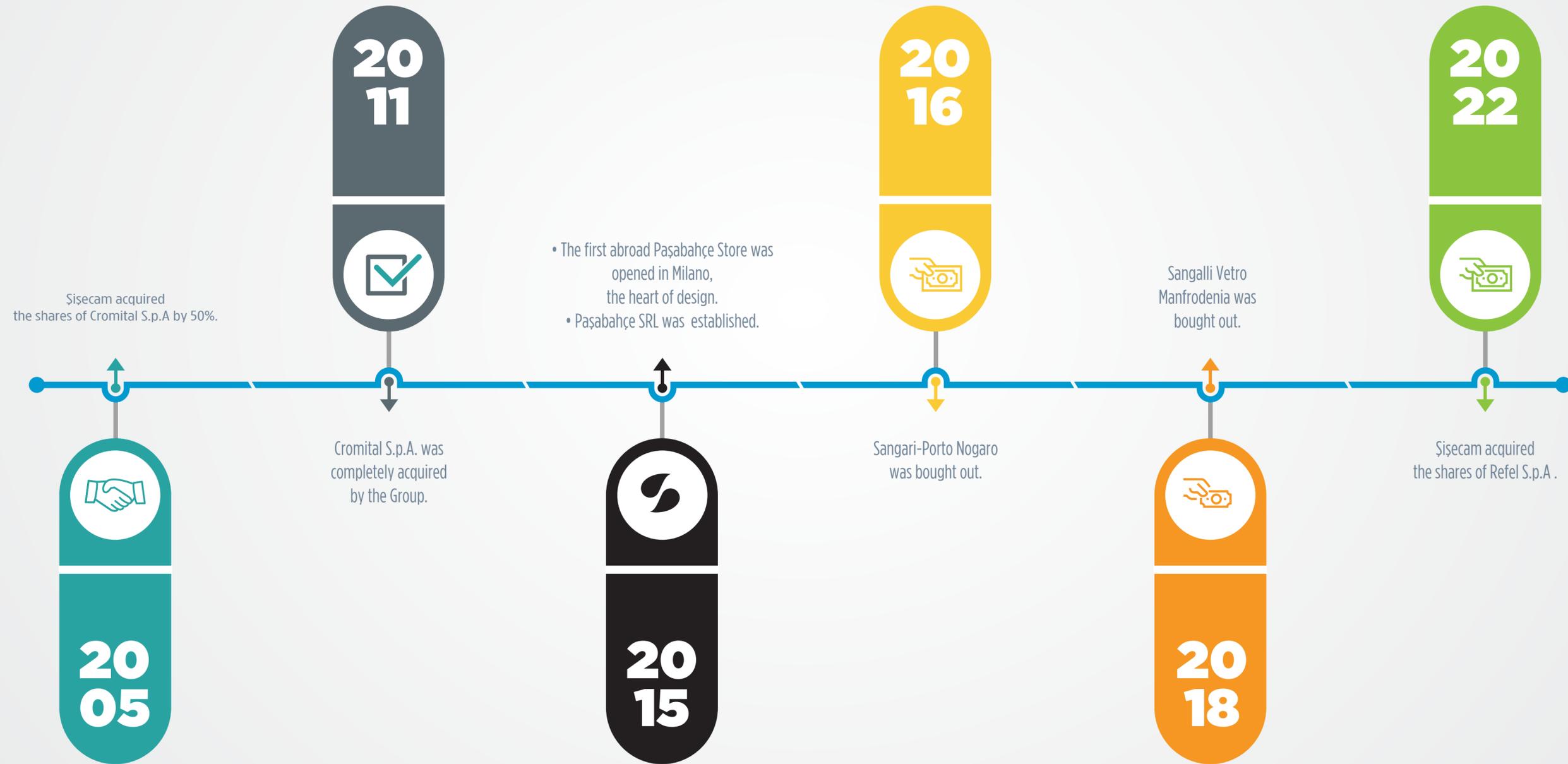
Şişecam's Italian investment Cromital S.p.A. operates as the **only plant licensed in Italy** to treat and recycle chromium-contaminated wastewater of the metal plating sector. At this plant, the chromium recycled from wastes are made reusable to contribute to the protection of the environment.



8-THOUSAND AND 800 TONS OF PRODUCTION

Operating in the chromium based chemicals field, Şişecam Cromital S.p.A. plant serves with an annual production capacity of **8-thousand and 800 tons**.

ŞİŞECAM'S JOURNEY IN ITALY



ROMANIA



€ **80 MN**
INVESTMENT

Şişecam's investments in Romania reached **EUR 80 mn.**



505
EMPLOYEES

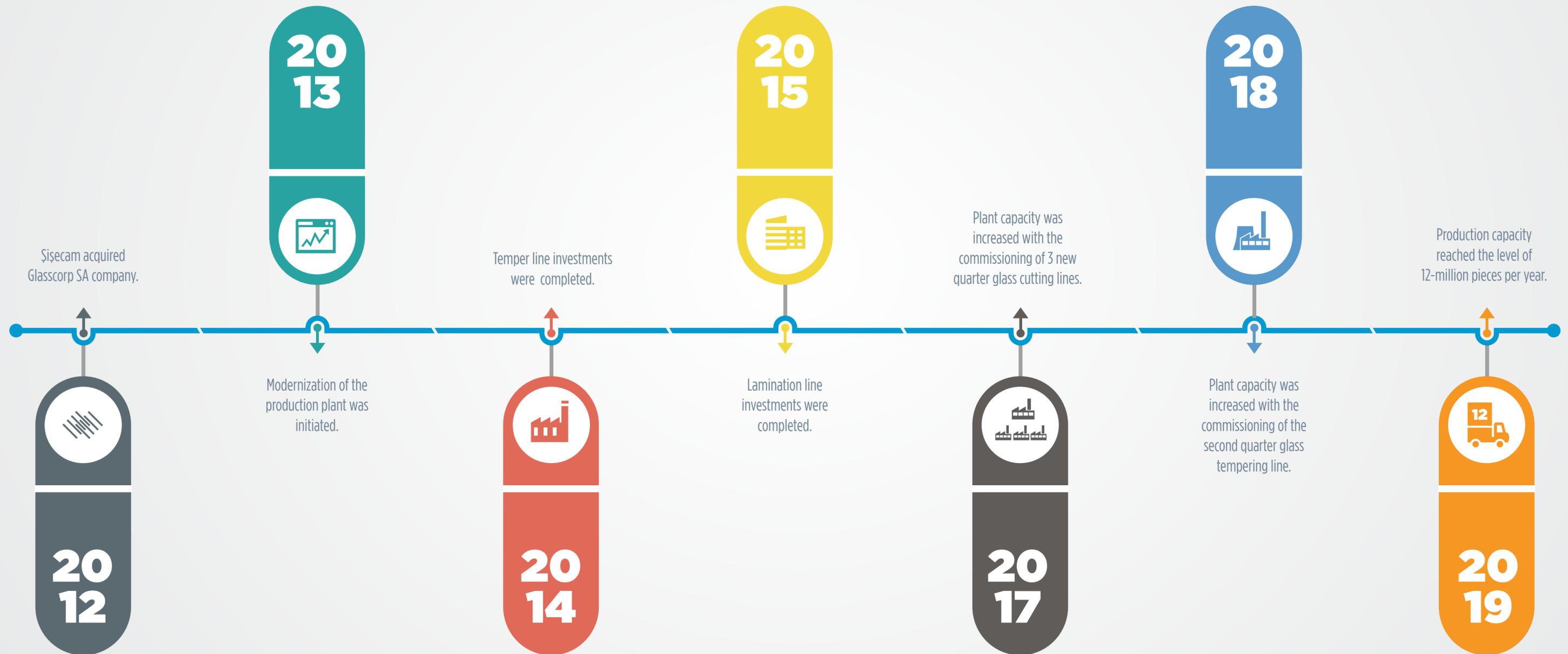
Şişecam employs nearly **505 persons** at its Romanian plant operating in the automotive glass industry.



12-MILLION
UNITS
PRODUCTION
CAPACITY OF

Şişecam's Romanian plant operating in the industry of automotive glasses has an annual production capacity of **12-million pieces.**

ŞİŞECAM'S JOURNEY IN ROMANIA





2nd Largest Soda Ash Producer in The U.S.A

Şişecam has made an investment in the USA that will change the structure of its partnership with Ciner Group. With this investment, Şişecam has become one of the top **3 soda producers in the world**.



500
EMPLOYEES

Şişecam employs nearly **500 persons** in USA. Together with suppliers and subcontractors, supporting the ecosystem of Wyoming Region with nearly 2000 direct and indirect employment.



10 MILLION TONNES

Şişecam's controlled soda ash production capacity will exceed **10 Million metric tonnes**, comparing to the existing capacity of **2.5 Million metric tonnes** today.



USD 4 BN

Şişecam and its partner Ciner Group will invest **4 Billion USD** in the US Soda Ash Industry.

ŞİŞECAM'S JOURNEY IN THE U.S.A

