



Solvay Sodi, Devnya, Bulgaria



# Solvay Sodi – a part of Solvay Group/ GBU Soda Ash & Derivatives

## Main applications of soda ash and bicarbonate



- Flat glass
- Packing glass
- Chemical industry
- Metallurgy
- Detergents
- Food industry
- Animal feed
- Flue gas cleaning



Sodium carbonate/Soda Ash ( $\text{Na}_2\text{CO}_3$ ) is produced from raw materials which are abundant in nature – salt and limestone, and steam

SOLVAY SODI

# Solvay – global leader in soda ash production

- “ The Group has **8 soda ash plants** (6 in Europe, 1 in Egypt, 1 in USA – for natural soda/trona) with total capacity of more than **7 Mt**, which makes it the global leader in the production of soda ash
- “ European soda ash plants of Solvay Group





# Solvay Sodi - History

## SOLVAY SODI

- 29 August 1954: Start-up of the first soda ash plant in Devnya with capacity of 80 kT



- 31 December 1973: The new soda ash plant was started-up (1st stage - capacity of 800 kT/y)
- 1976: Extension of capacity (2nd stage - additional 400 kT/y - total 1,2 MT/y)



# Solvay Sodi - History

## SOLVAY SODI

- 14.04.1997: The Government of Bulgaria and SOLVAY signed the contract for the privatization of SODI.  
Main shareholders in SOLVAY SODI: SOLVAY (75 %) and ŞİŞECAM (25 %)
- 3.08.2000: Solvay Sodi acquired the power plant DEVEN, the salt brine PROVADSOL and 50 % of the quarry DEVNYA LIMESTONE



# SOLVAY SODI - Location

## SOLVAY SODI



## VARNA REGION

Area size of district: 3,818 km<sup>2</sup>  
Population of district: 475,074 people  
Towns and cities in Varna province: 9  
Villages in Varna province: 150



Devnya is located 25 km to the west from the city of Varna and the Black Sea coast.  
Population: 8,300 inhabitants.



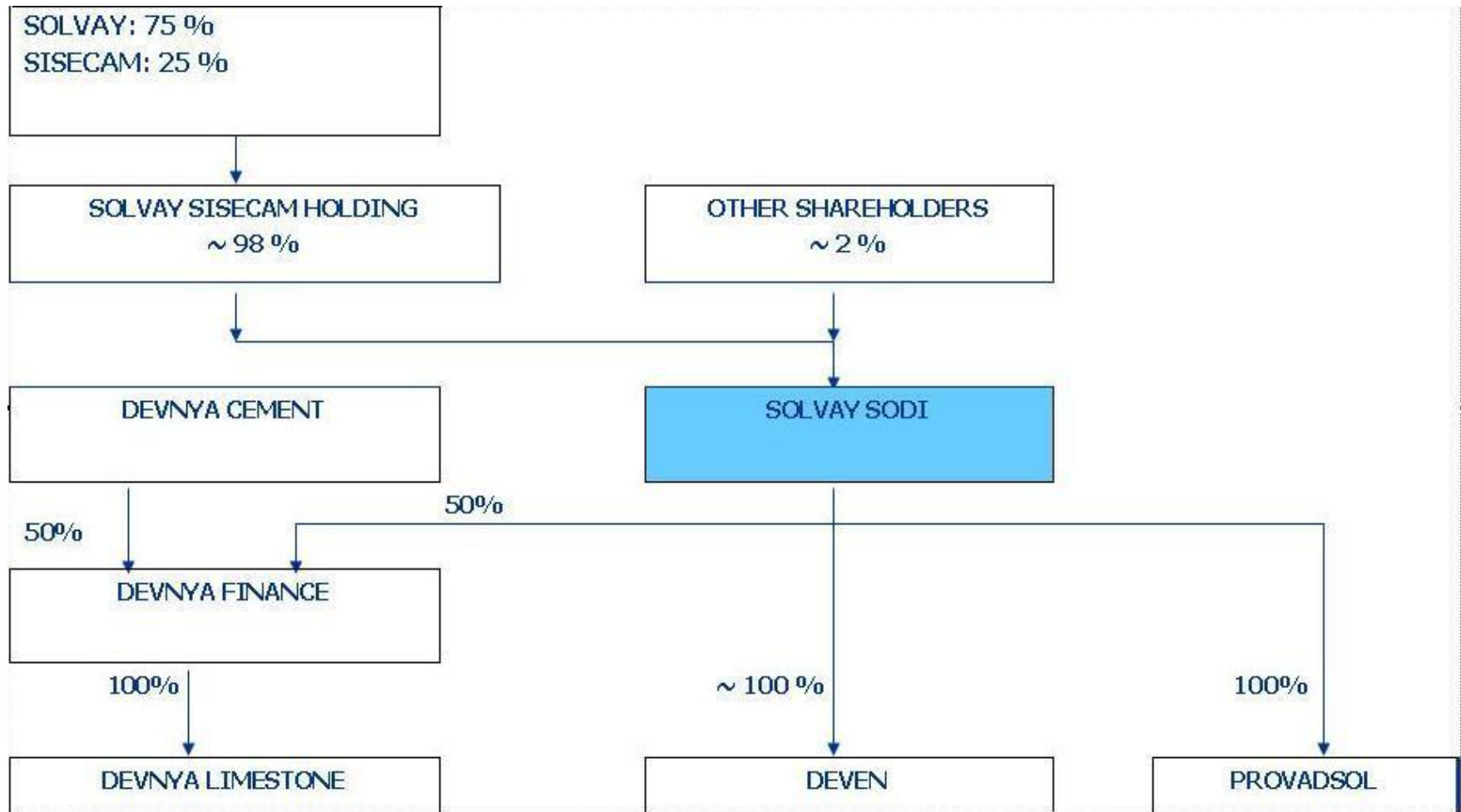
# Solvay Sodi and Affiliates Location

## SOLVAY SODI



# Solvay Sodi and affiliates

## SOLVAY SODI





# Solvay Sodi today

## SOLVAY SODI

- Solvay Sodi is one of the biggest industrial companies in Bulgaria, well rooted in the region of Varna since its privatization in 1997, a company which is well recognized in Bulgaria and abroad. Solvay Sodi and affiliates are a model for successful privatization in Bulgaria, they are socially responsible and with a high reputation of a big investor.
- The production capacity of the soda ash plant is 1,5 Mt soda ash/year – the biggest one among Solvay synthetic soda ash plants. About 90 % of its production is exported all over the world. Solvay Sodi represents about 1 % of total Bulgarian exports.



# Solvay Sodi today

## SOLVAY SODI

- Since 2006, the Integrated Management System of Solvay Sodi is certified according to the three standards ISO 9001:2000 for quality, ISO 14001:2004 for environment and OHSAS 18001 for health and safety, and since 2009, Deven and Provadsol are certified as well.



# Investments

## SOLVAY SODI

In 2015, Solvay Sodi put into operation a new vacuum distillation group and Deven TPP started the construction works of a second circulating fluidized bed boiler





SOLVAY SODI

# Sustainable Development Safety Excellence



## 26 November 2015, Safety Day in Solvay Sodi

- Signature of a safety commitment by the management and employees of Solvay Sodi and affiliates
- Signature of Memorandums for cooperation for ensuring healthy and safe labor conditions:
  - ✓ by the management and the trade union organizations in the plant ;
  - ✓ by the executive director of Solvay Sodi and affiliates, the Presidents of the two biggest national trade unions, the representatives of the Ministry of Labor and Social Policy and the Bulgarian employers' organizations



SOLVAY SODI

# Sustainable Development Safety Excellence



## 26 November 2015, Safety Day in Solvay Sodi

Spiros Nomikos, Executive Director of Solvay Sodi and affiliates:

*“Safety is a value and part of Solvay Group’s culture. We want each collaborator and colleague to go back home “safe and sound” at the end of the day. I’m happy that we are all together – employers, workers and trade unions, committed and dedicated to this important cause. Our objective is to manage our business with care for the people and without accidents, today and in the future. We strongly believe that all accidents could be avoided. Achieving Safety Excellence is a long process of continuous improvement and most of all a change of mindset and behavior for all of us”.*



# Sustainable Development

SOLVAY SODI

## Solvay Way

- According to the CSR policy principles, Solvay Sodi and affiliates work in close cooperation with the local administrations for the management of joint projects in the field of education, culture and healthcare. The companies support actively social institutions, schools, universities and hospitals in the region.





SOLVAY SODI

# Sustainable Development Innovation in Action Academy

- In 2015, the nationally wide innovation project of Solvay Sodi **Innovation in Action Academy** took place with participation of 240 young people.
- 11 April 2016 – Start-up of the third edition of Innovation in Action Academy



# Sustainable Development

## Solvay Way

- As a result of its success in the field of CSR, the company has been recognized with many national awards:  
 “Benefactor of the Year”, 2007; Best Socially Responsible Company of the Year – category “Charity”, 2008; “Prometheus” for best working conditions and safety, 2008; “Econovator“, 2009 г.; Best Socially Responsible Company of the Year – category “Environment”, 2011; “Investor in Environment” – 2012; “Primus Inter Pares” for innovation – 2012; “Investor in Knowledge” – 2013; Manager of the Year – 2014; Innovative Company of the Year – category “Innovations at the Working Place” – 2015  
*(photo)*



Mr. Nomikos  
with Bulgarian  
President  
Mr. Plevneliev