

Investor Day 2023

Amine Unit and the Injection of CO₂



Amine Unit

Amine Unit: The unit for acid gases (CO_2 and H_2S) removal from natural gas in order to harmonise its quality with the regulations applicable in the Republic of Serbia, whereby the extracted acid gases (predominantly CO_2) are being injected in "Rusanda 2" reservoir, in order to increase the reservoir pressure and thus increasing crude oil recovery, i.e. the utilization of the reservoir.



Location: Oil and Gas Preparation and Transportation Unit - Production compound in Elemir



Capacity: 500,000 – 800,000 Sm^3/day of acid gas with the contents of CO_2 of up to 30%

The project started in 2011.

The first contract was executed and the construction started in 2013.



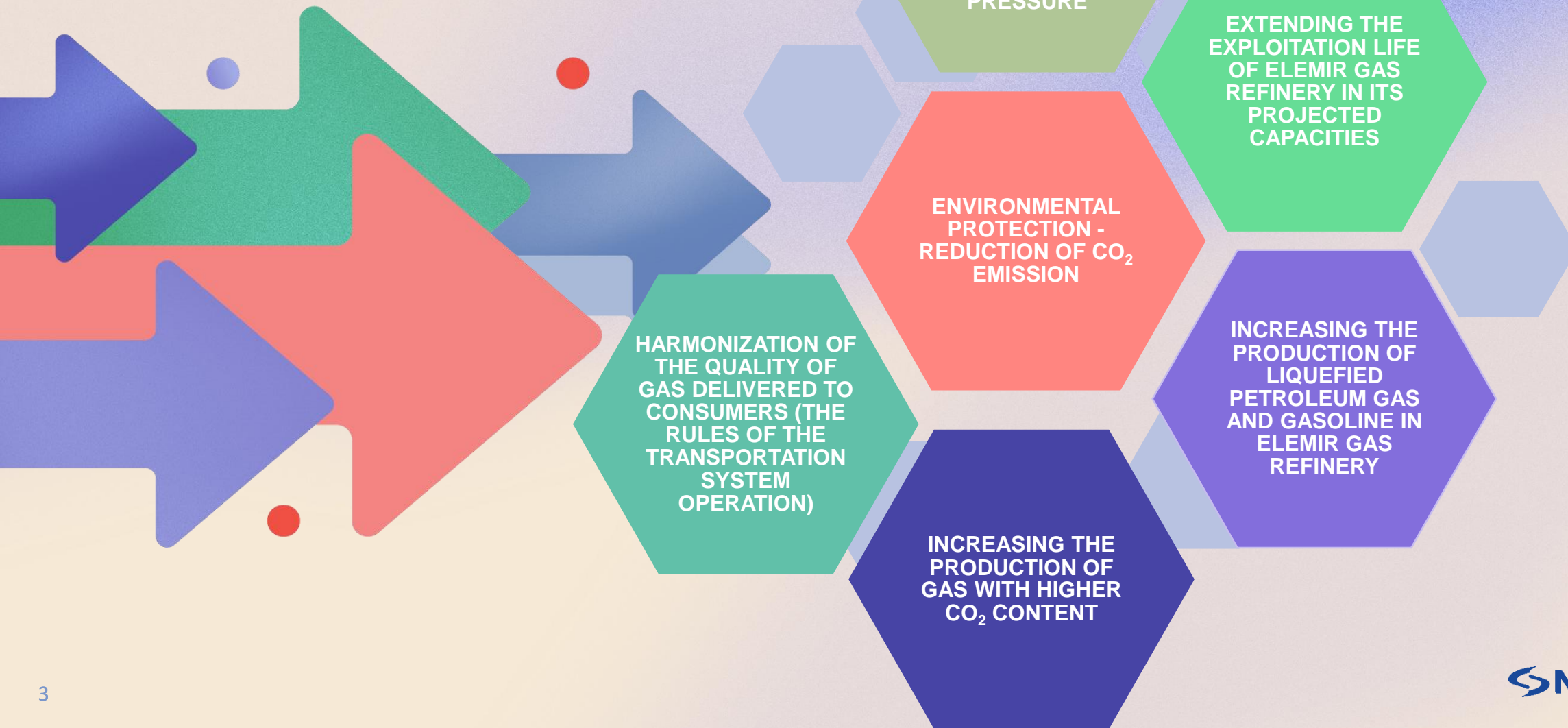
The start of the unit's trial run: March 2015.

The completion of trial run and the beginning of commercial operation: 15 December 2015.

Elemir production unit, which consists of the Gas Refinery (commissioned in 1963), and the Amine Unit currently prepare and refine about **60%** of domestic gas production



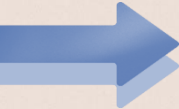
Objectives




Effects on Oil and Gas Production by 2028

LPG production yield 	Thanks to the Amin plant, there is growth in all the above indicators .
Gasoline production yield 	
The yield of oil production on Rusanda 2 field 	
The yield of acid gas production (1000 Sm ³) 	Without the Amin plant, the level of oil production in the Rusanda 2 field would be at a minimum level , as well as for the extracted SO ₂ for injection and/or sale.
The yield of the dispatch of refined gas to transportation system (1000 Sm ³) 	
Extracted CO ₂ for injection and/or sale (1000 Sm ³) 	


Effects on Environmental Protection



Amine Unit extracts from natural gas the harmful acid gases (CO_2 and H_2S) of which CO_2 is considered to be among the key pollutants of the atmosphere (after vapour, CO_2 is the most significant one of the greenhouse gases).



After extracting them from natural gas, acid gases (predominantly CO_2) are being injected into "Rusanda 2" reservoir, in an environmentally friendly way, and in accordance with legal regulations and global practices.



If there were no amine unit, acid gases would be monetized either through limited production and dispatch to their consumers, or through small cogeneration power plants, whereby CO_2 would be emitted to atmosphere in combustion products when used by end consumers.



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**THANK YOU
FOR THE
ATTENTION!**