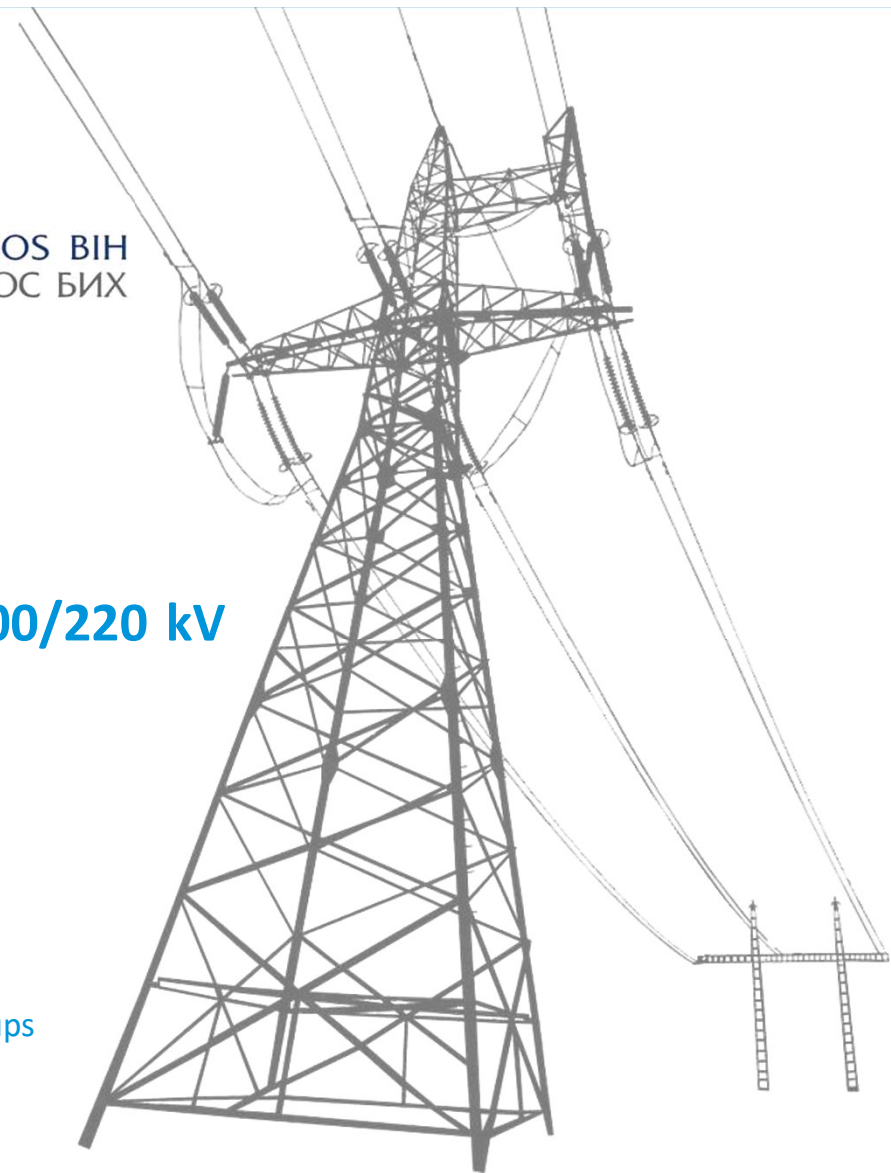


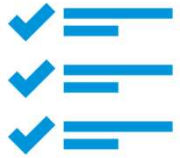


400kV OHL Brezna-Sarajevo 20 with construction 400/220 kV SS Piva's mountain

Nominated project – overhead electricity line

TEN-E (PECI) Groups meeting – 2nd joint meeting of the “Electricity” and “Gases” Groups
18 April 2024





Description of the project

- ✓ The new 400 kV interconnection between Montenegro and Bosnia and Herzegovina
- ✓ Connect 400/110/35 kV SS Brezna in ME with 400/220/110/x SS Sarajevo 20 in B&H with construction SS 400/220 kV Piva's mountain

The project estimate two phase of construction:

- ✓ Phase I - construction of 400/220 kV SS Piva's mountain with the construction of a new 400 kV OHL from SS Piva's mountain to the location of Buk Bijela (BiH), from which the existing line 2x490/65 mm² continues to SS Sarajevo 20 and connecting HPP Piva with SS Piva's mountain transmission line of higher capacity
- ✓ Phase II - construction of 400 kV OHL Brezna - 400/220 kV SS Piva's mountain



The project promoter

- ✓ Joint Stock Company – Montenegrin Transmission System Operator
- ✓ Montenegrin Ministry of Energy and Mining
- ✓ Elektroprenos - Elektroprijenos BiH, a.d. Banja Luka
- ✓ Nezavisni operator sistema u BiH

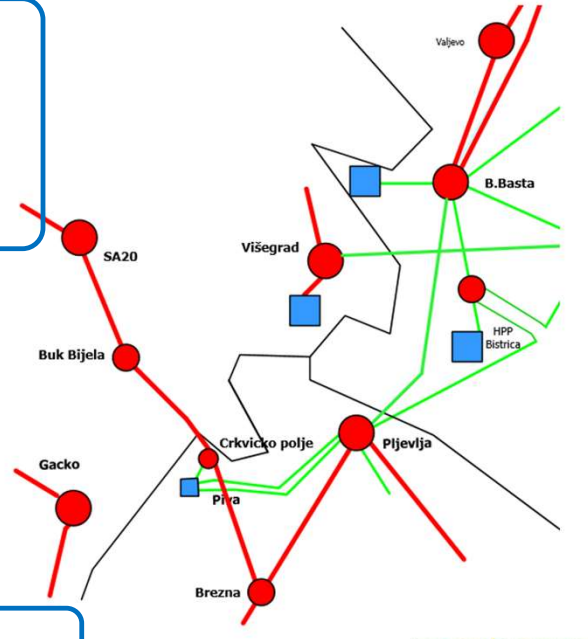
Expected benefits

- ✓ Connection of renewable energy sources
- ✓ Reduction of losses
- ✓ Increasing The Net Transfer Capacity (NTC), eliminate congestion
- ✓ Security of supply and market integration
- ✓ Security of MONITA (II pole)



Lenght – 67.2 km

- ME 54.5 km
- BA 12.7 km

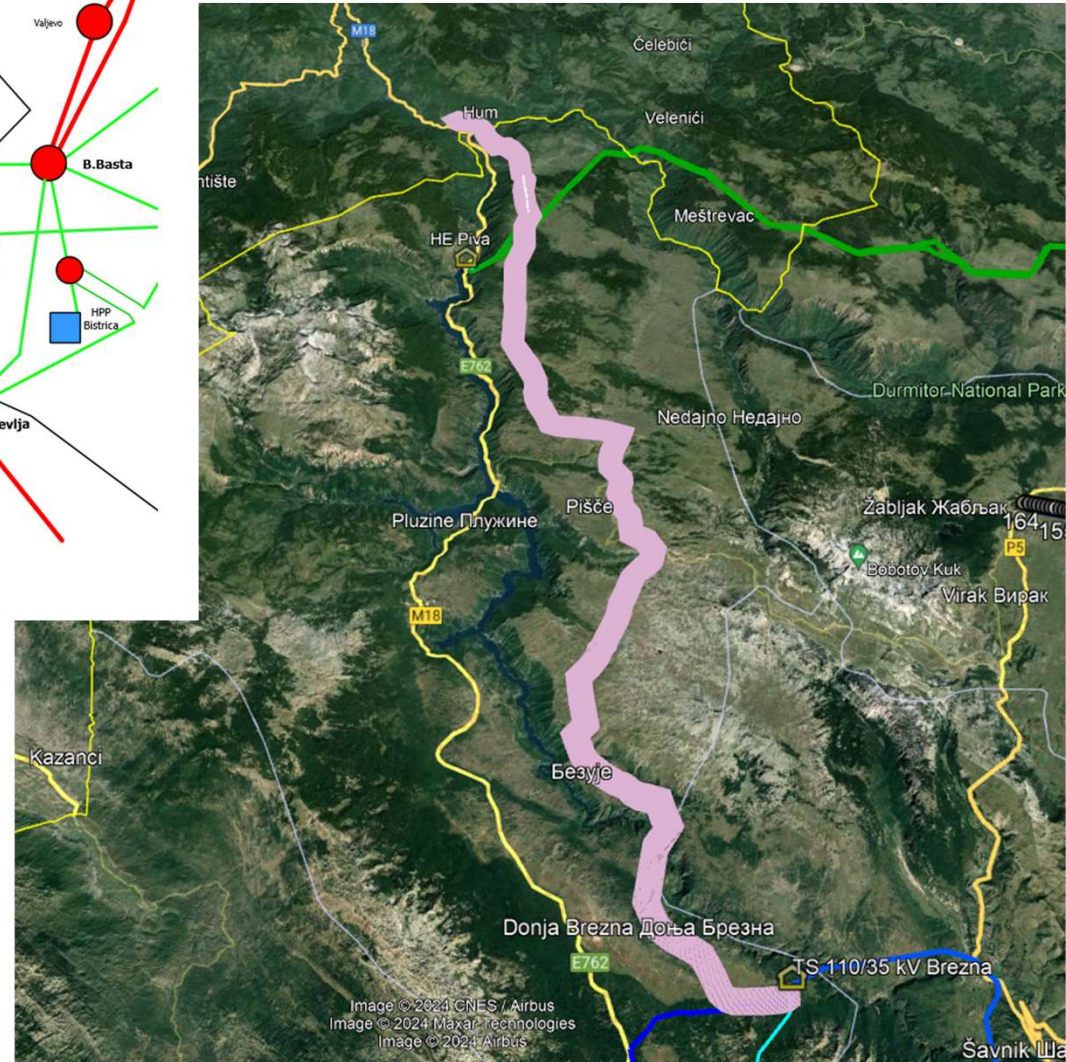


New SS – Piva's mountain

- 400/220 kV

NTC – increasing

- ME – BA – 600 MW
- BA – ME – 1475 MW





- ✓ Realisation of the project is planned during the period 2025 – 2033.

CAPEX
✓ ME 70.650.000,00€
✓ BA 6.700.000,00€

OPEX ₂₀₅₀
✓ ME 8.911.600,00€
✓ BA 1.072.000,00€

- ✓ Project already granted: TA, WBIF – EBRD 1.806.000,00€, Feasibility Study and ESIA
- ✓ The construction of a new 400 kV interconnection would enable the connection of the new HPP Kruševo to the transmission system and upgrade the connection to HPP Piva from 220 kV to 400 kV, contributing to a better placement of electrical energy from HPP Piva. Furthermore, it will be possible to connect other RES from solar and wind energy in this region.
- ✓ The project depending on the realisation of:
 - ✓ Upgrade SS 400/110 kV "Brezna", located in 110/35 kV SS "Brezna", Brezna, municipality Plužine, Montenegro
 - ✓ Upgrade of the existing 220 kV OHL from the location of SS Buk Bijela to the BiH border to 400 kV with a total length of 12.7 km, Bosnia and Hercegovina



Thank you!

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