



# **KOSTT PROJECT**

## **Reconfiguration of 400 kV grid and new 400 kV interconnection Albania-Kosovo**

The Energy Community Secretariat

Vienna

17 April 2024

# Scope of works

Name of the Packet Project	Reconfiguration of 400 kV grid and new 400 kV interconnection Albania-Kosovo
Sub-projects	item
Upgrade of SS Prizreni 2 into 400/220/110 kV Prizreni 4	<ul style="list-style-type: none"> <li>- Extension of existing SS with 400 kV bus bars</li> <li>- New 400/110 kV, 300 MVA Autotransformer</li> <li>- Reconfiguration of existing 110 kV bus bars configuration</li> </ul>
New 400 kV Switch Gear Gjakova 3 (Close to existing 400 kV line SS Kosovo B-SS Komani (AL))	<ul style="list-style-type: none"> <li>- Four 400 kV OH Line bays</li> <li>- One Bus Coupler</li> </ul>
New 400 kV Interconnection Line SS Prizreni 4- SS Fierza	- In Kosovo Territory 45 km, and in Albania territory 30km

	Country	2022	2023	2024	2025	2026	2027	2028	2029	2030
Estimated CAPEX (provided in real 2022 million EUR)	XK - Kosovo				1.2	1.2	0.4	25.1	25.1	
								<b>Total</b>	<b>53 M€</b>	

# Map

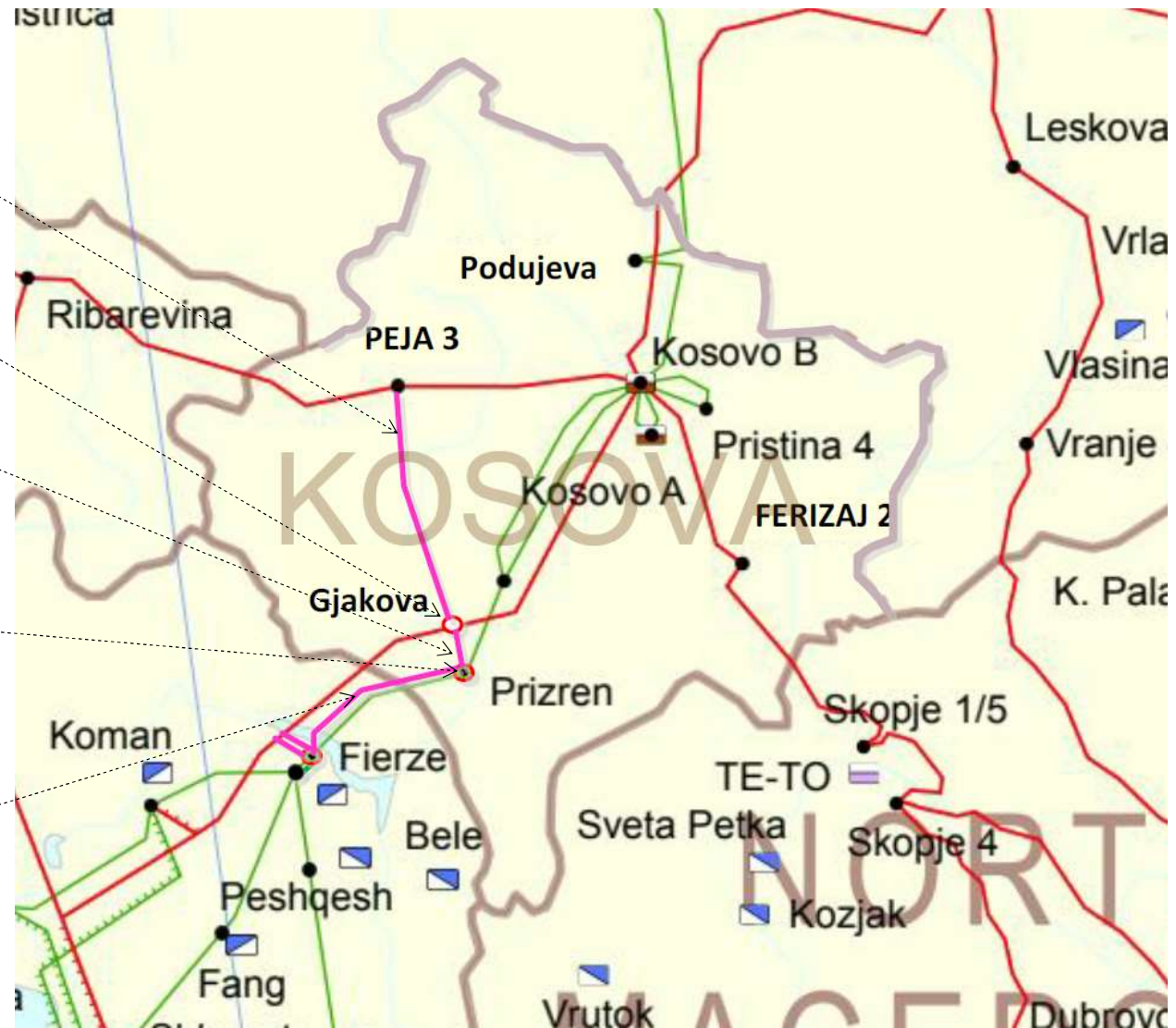
New 400 kV line SS Peja 3-  
SG Gjakova 3

New SG Gjakova 3, 400 kV

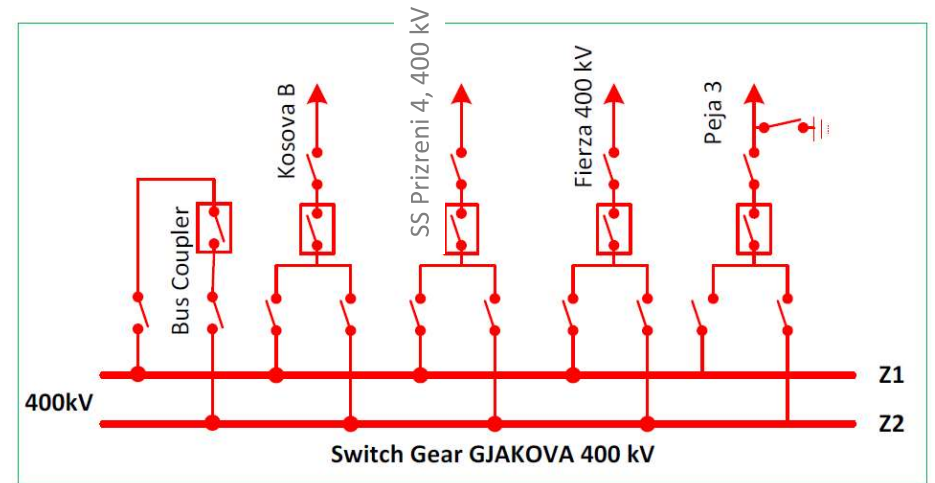
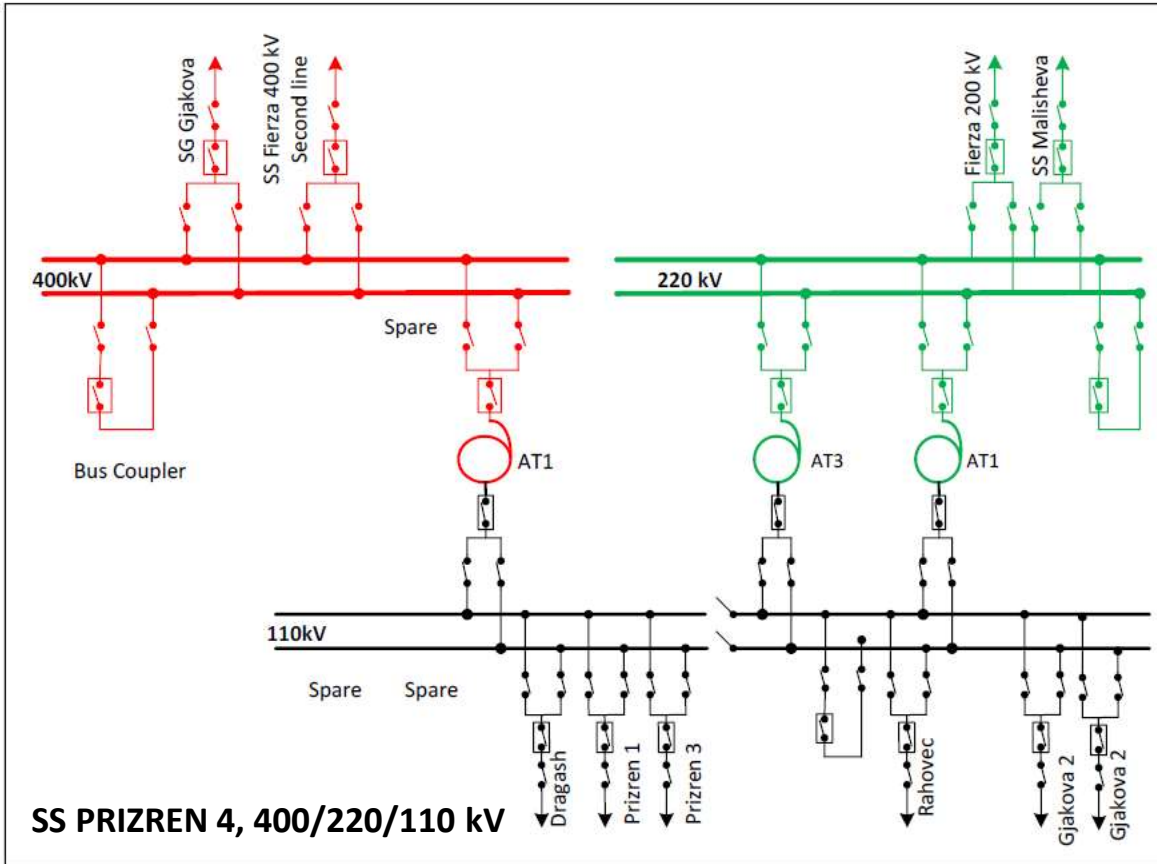
New 400 kV line SS Prizren  
4 -SG Gjakova 3

Upgrade to 400/220/110  
kV SS Prizren 4

New 400 kV interconnection  
line line SS PRIZREN 4 –SS  
FIERZA (AL)

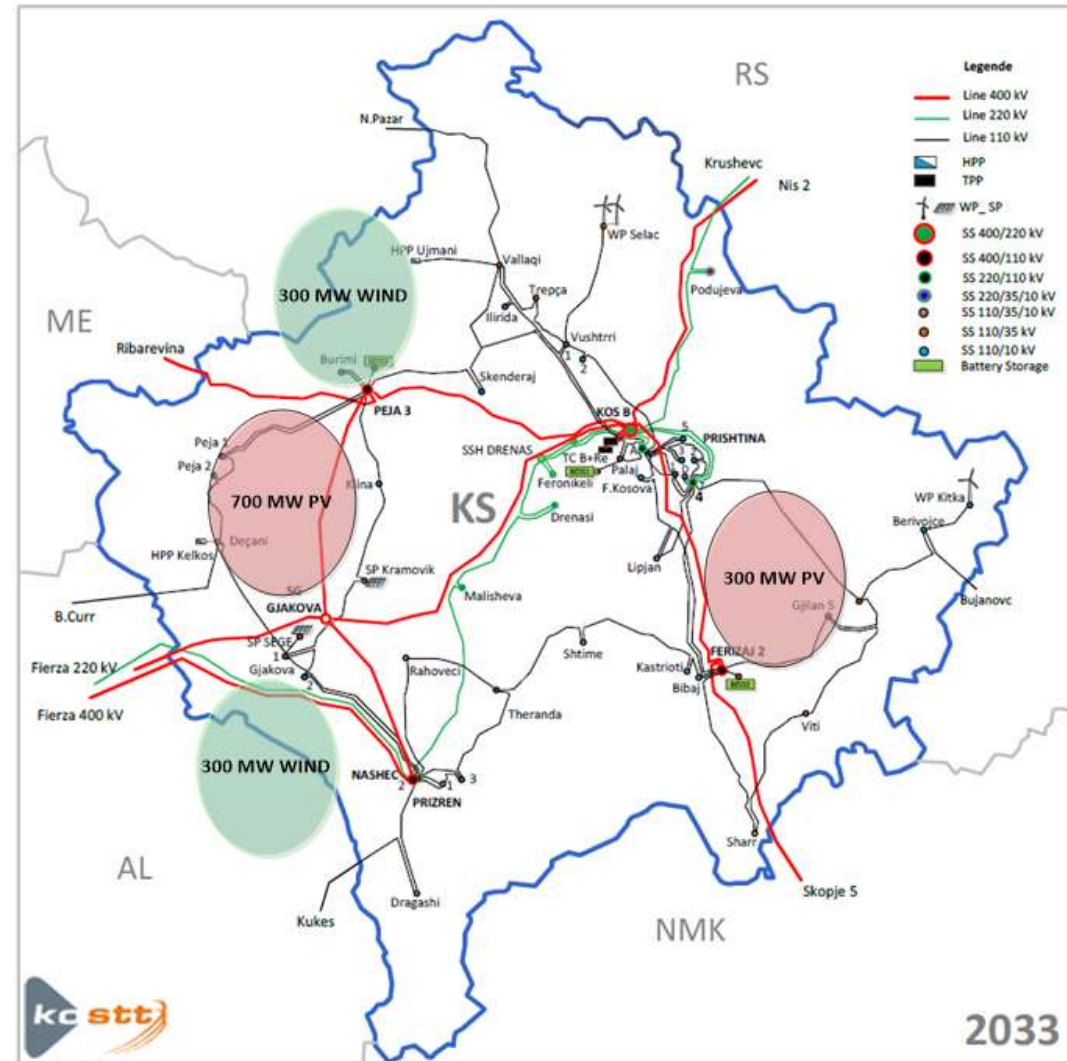


## Bus Bar Configuration of SS Prizreni 4 and SG Gjakova



## The role of the project on RES integration and Regional Impact

- Based on Energy Strategy 2000 MW of RES should be Integrated Into Kosovo Power System till 2031.
- 2000 MW RES can be integrated only with 400 kV reconfiguration and new interconnections.
- New 400 kV interconnection line and the new 400 kV ring will support the power exchange between regional TSO-s, and market integration in PAN European Market.
- An additional 500 MW NTC will be added to the interconnected systems
- 400 kV internal network will be more flexible in regard to large scale of regional power exchange, due to RES integration.



# Data on the Status and Progress of the Project

- The project is part of KOSTT TNDP 2024-2033 (KOSTT web page)
- It is harmonized with Albanian OST
- Prefeasibility study
- Technical feasibility study May-25
- Economic feasibility study (Cost-benefit analysis) May-25
- Environmental impact assessment May-25
- Detailed design study Dec-27
- Resolved financing Sep-25
- Obtained approvals/permits Jun-28
- Approval by regulatory authority Dec-24
- Final investment decision May-25
- Tendering procedure May-27
- Construction Jun-30
- Commissioning Aug-30

Thank you for your attention!

**Transmission System and Market Operator  
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