

# Georgian State Electrosystem

## PECI/PMI Projects Proposal



# GSE Corporate Profile

## 100% State-run T&D company

- Provides power transmission & dispatch services to eligible customers in Georgia, including distribution companies
- Actively participates in power exchange operations with neighboring countries

## Assets

- 500/400/220/110/35kV OHLs with the total length of 3,350km
- 90 Substations (500/220/110/35kV) with the total installed capacity of 10,213 MVA

## Subsidiaries

- Energotrans Ltd. (100% GSE shareholding)
- Karchal Energy (99% GSE shareholding)

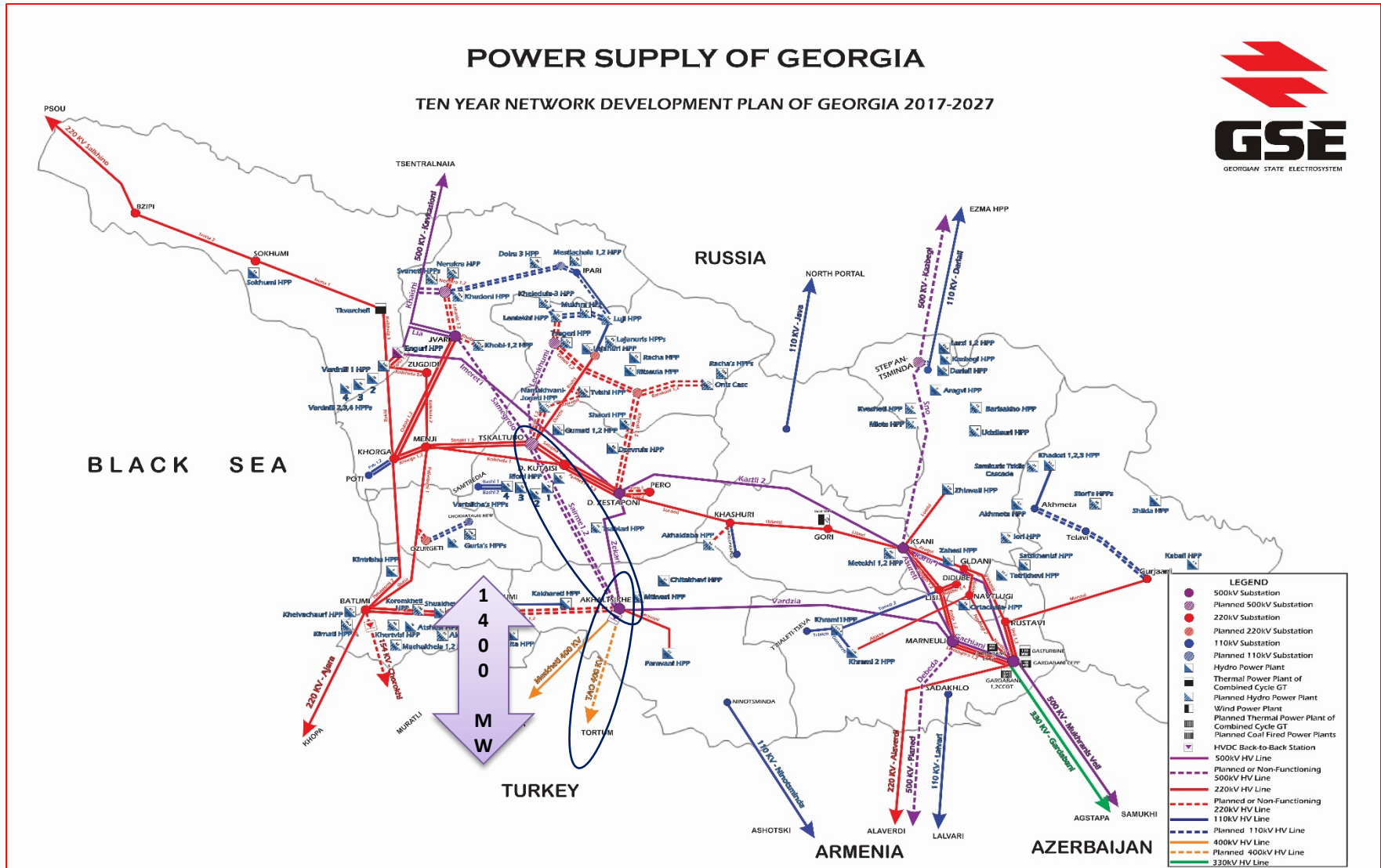
# Our Objectives

- Increasing network stability and fulfilling N-1 criterion
- Connecting new power stations to the network and satisfying growing demand for electricity
- Fully utilizing Georgia's export and transit potential

# Open Program Extension Transmission Network Georgia II



## POWER SUPPLY OF GEORGIA TEN YEAR NETWORK DEVELOPMENT PLAN OF GEORGIA 2017-2027



# Open Program Extension Transmission Network Georgia II

## Component 1 – Tskaltubo - Akhaltsikhe

- Construction of 104 km Double Circuit 500 kV OHL Tskaltubo-Akhaltsikhe (33,9 €m)
- Extension of 500 kV switchyard in Akhaltsikhe converter station (2,6 €m)

## Component 2 – Akhaltsikhe - Turkish Border

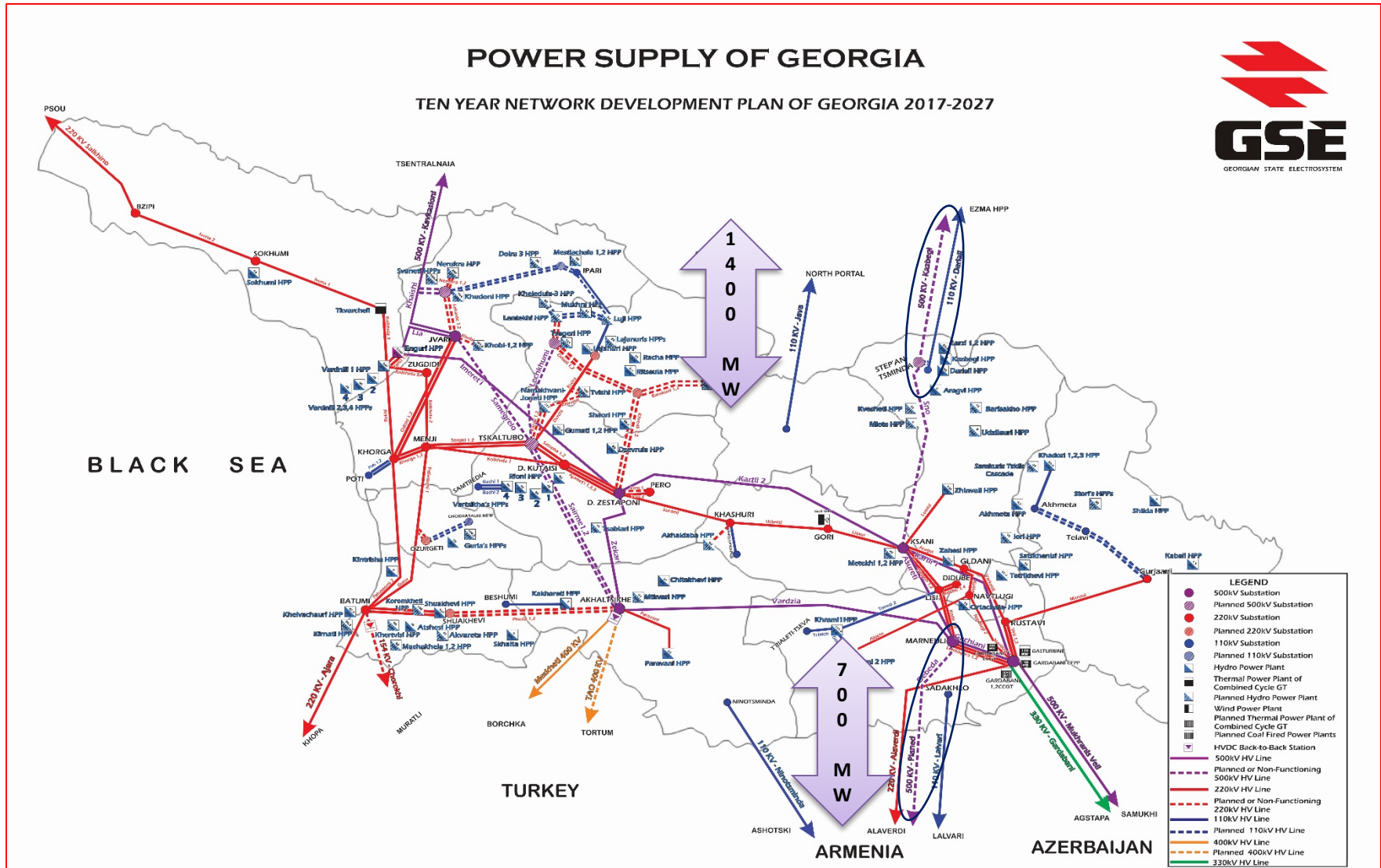
- Construction of 33 km Single Circuit 400 kV OHL Akhaltsikhe - Turkish Boarder (in direction of Tortum) (7,2 €m)
- Extension of 400 kV switchyard in Akhaltsikhe converter station (1,1 €m)

# North-South Energy Interconnection Project



## POWER SUPPLY OF GEORGIA

### TEN YEAR NETWORK DEVELOPMENT PLAN OF GEORGIA 2017-2027



# North-South Energy Interconnection Project

## Stepantsminda – Mozdok 500 kV OHL

### On Georgian territory:

- Construction of the new 500 kV Stepantsminda S/S
- Construction of 16 km 500 kV OHL from 500 kV Stepantsminda S/S up to the Russian border
- Capital costs = 22,2 €m

### On Russian territory:

- Construction of 130 km 500 kV OHL to 500 kV Mozdok S/S
- Capital costs = 103 €m

Thank you for your attention!

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