

Accelerating the Clean Energy Transition and Ensuring Energy Security and Affordability Time for Urgent Action Now



ASIA CLEAN ENERGY FORUM 2025

Empowering the Future: Clean Energy
Innovations, Regional Cooperation and
Integration, and Financing Solutions

2–6 June | ADB Headquarters



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"Green Corridors for a Connected Future"

5 June 2025 | 11 am. (GMT+8)



Javid Abdullayev

Director / Azerbaijan Renewable Energy Agency under the Ministry of Energy

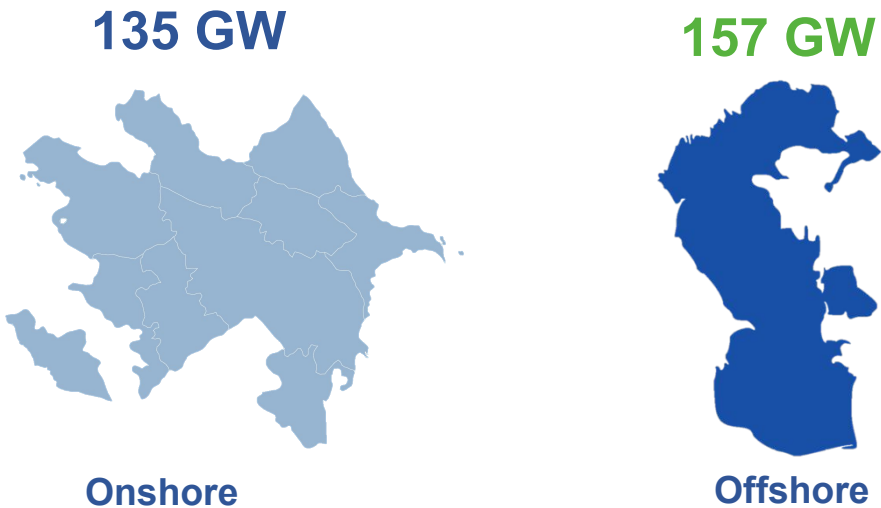
Socio-economic development strategy for 2022-2026 of the Republic of Azerbaijan" (July 2022) Measures envisaged under the Strategy's Action Plan

- Regulatory reforms for energy liberalization
- Increase the use of renewable energy sources
- ✓ Public-private partnership to expand RES infrastructure
- ✓ Develop offshore wind potential
- ✓ Use of bioenergy and geothermal potential
- ✓ Use of low-carbon transport and green technologies
- ✓ Low-emission hydrogen production and use
- ✓ CCUS in the energy sector
- ✓ Energy storage systems
- Energy efficiency improvements



Renewable Energy Potential

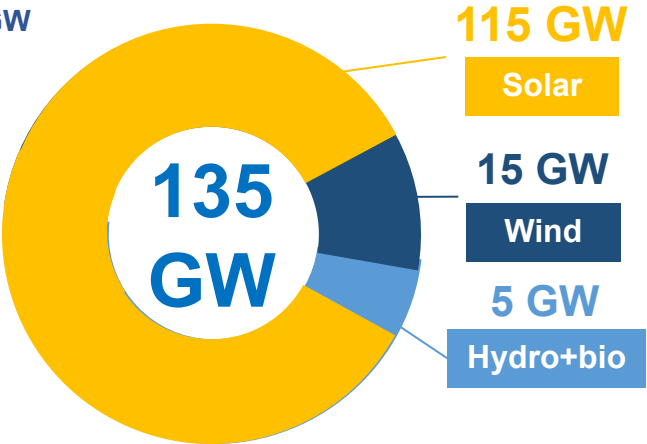
Technical potential



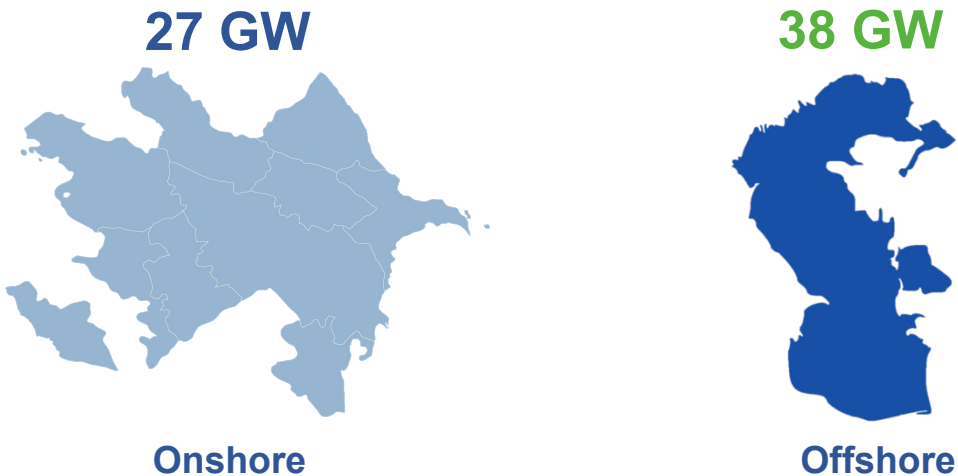
including:

Karabagh and East Zangazur – 10 GW

Nakchivan – 5 GW



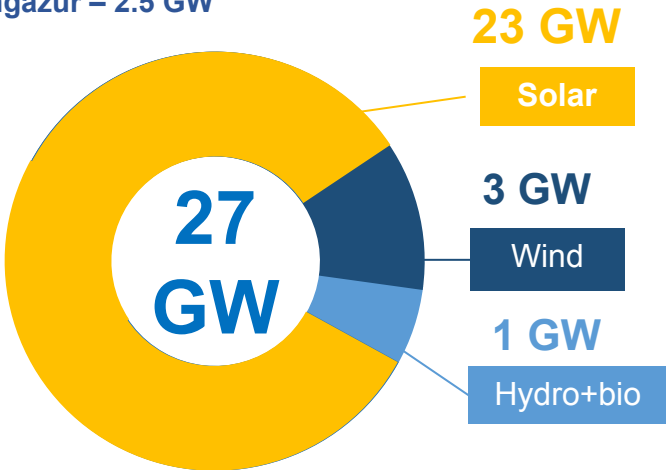
Economic Potential



including:

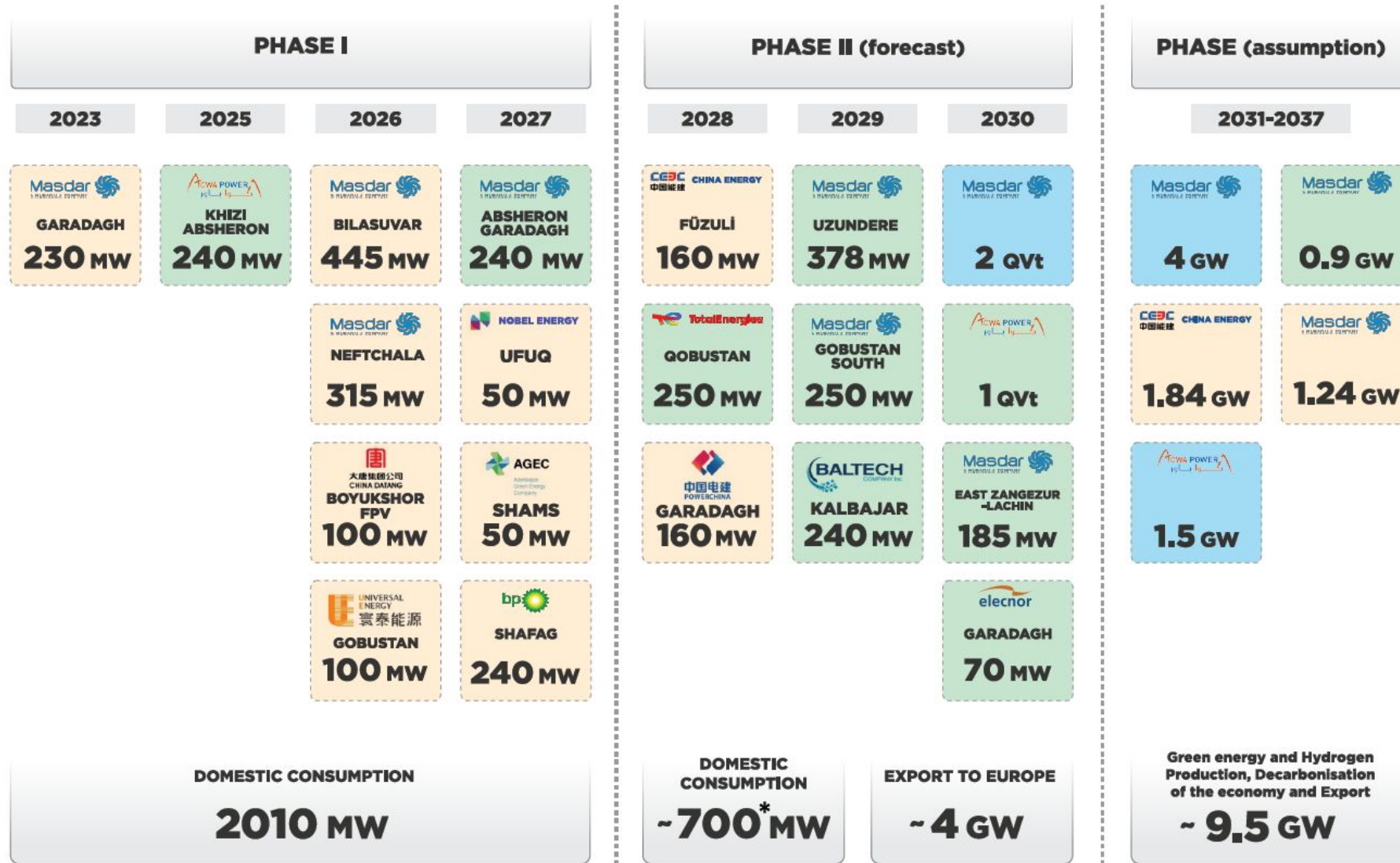
Karabagh and East Zangazur – 2.5 GW

Nakchivan – 1.5 GW



Strategic Plan for Renewable Energy Expansion in Azerbaijan

SCHEDULE FOR RENEWABLE (WIND & SOLAR) ENERGY PROJECTS



*In the second phase, the possibilities of grid are being analysed. Based on the research, the figure will be confirmed

 SOLAR
  ONSHORE WIND
  OFFSHORE WIND

Grid expansion and integration of renewable energy

Project to Strengthen the Integration of Renewable Energy into the Transmission Grid – AZURE

- ✓ Approved by the World Bank on March 27, 2025;
- ✓ The project consists of three components:
 - connecting the 240-megawatt Absheron-Garadagh Wind Power Plant to the transmission grid,
 - strengthening and expanding the 330/500 kV high-voltage grid to safely and reliably transmit up to 1 gigawatt of renewable electricity generated by the private sector, and
 - strengthening the grid's stability to better integrate 1.8 gigawatts of renewable electricity into the system through private investments.

330 kV “Jabrayil” junction substation

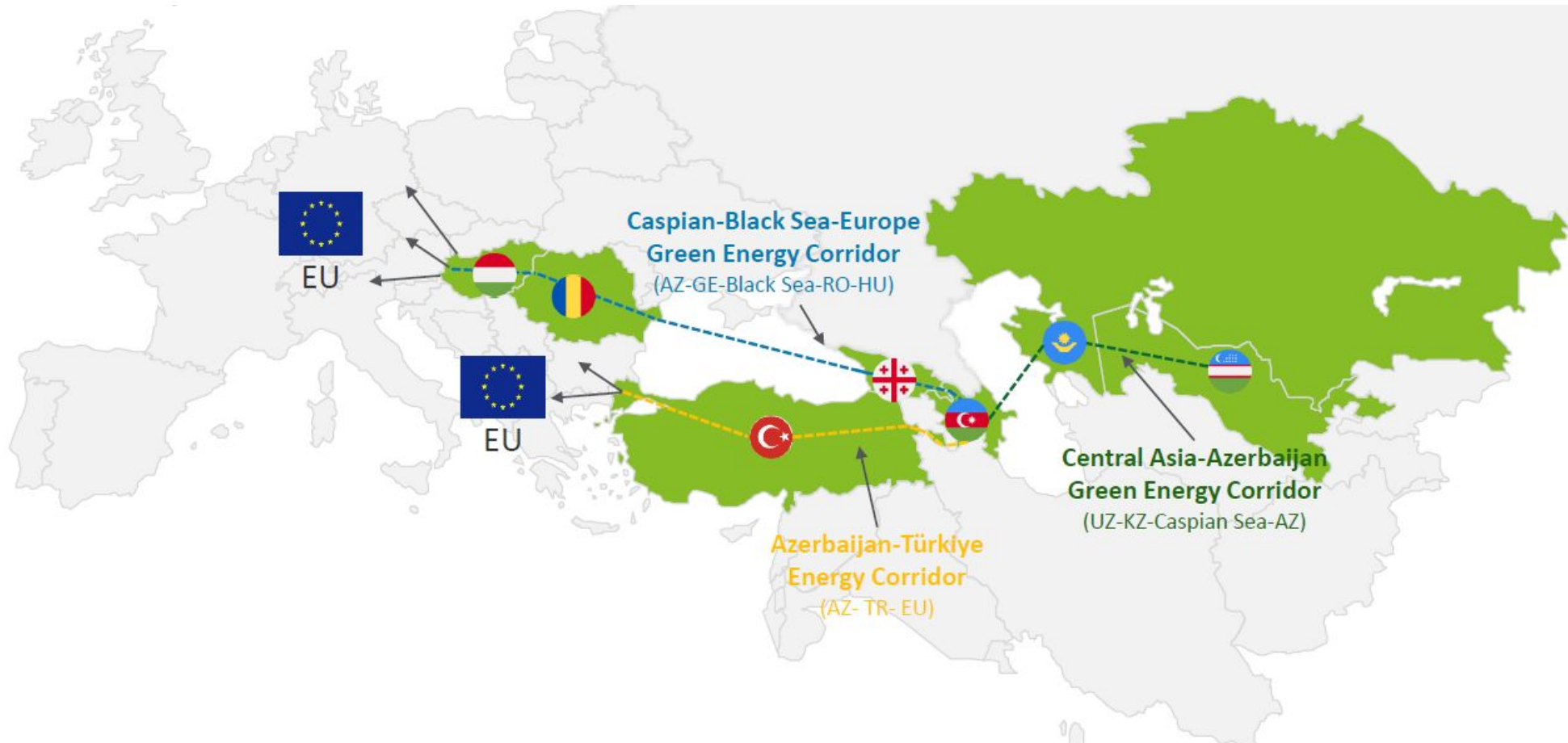
- A Digital Control Center has been built at the "Jabrail" energy hub for automatic switching on and off, intelligent management, operational monitoring, and other processes.



Regional Green Energy Corridors Projects

Azerbaijan aims to export energy to Europe via three strategic corridors

- ❖ Caspian-Black Sea-Europe Green Energy Corridor
- ❖ Central Asia-Azerbaijan Green Energy Corridor
- ❖ Azerbaijan-Türkiye-Europe Green Energy Corridor



The role of energy initiatives of the COP29 Presidency

COP29 Hydrogen Declaration

Endorsement status : 62 States – 47 Non-State actors

Green Energy Pledge: Green Energy Zones and Corridors

Endorsement status : 57 States – 8 Non-State actors

COP29 Global Energy Storage and Grids Pledge

Endorsement status : 65 States – 46 Non-State actors



<https://cop29.az/en/pages/cop-29-presidential-action-agenda-global-initiatives>

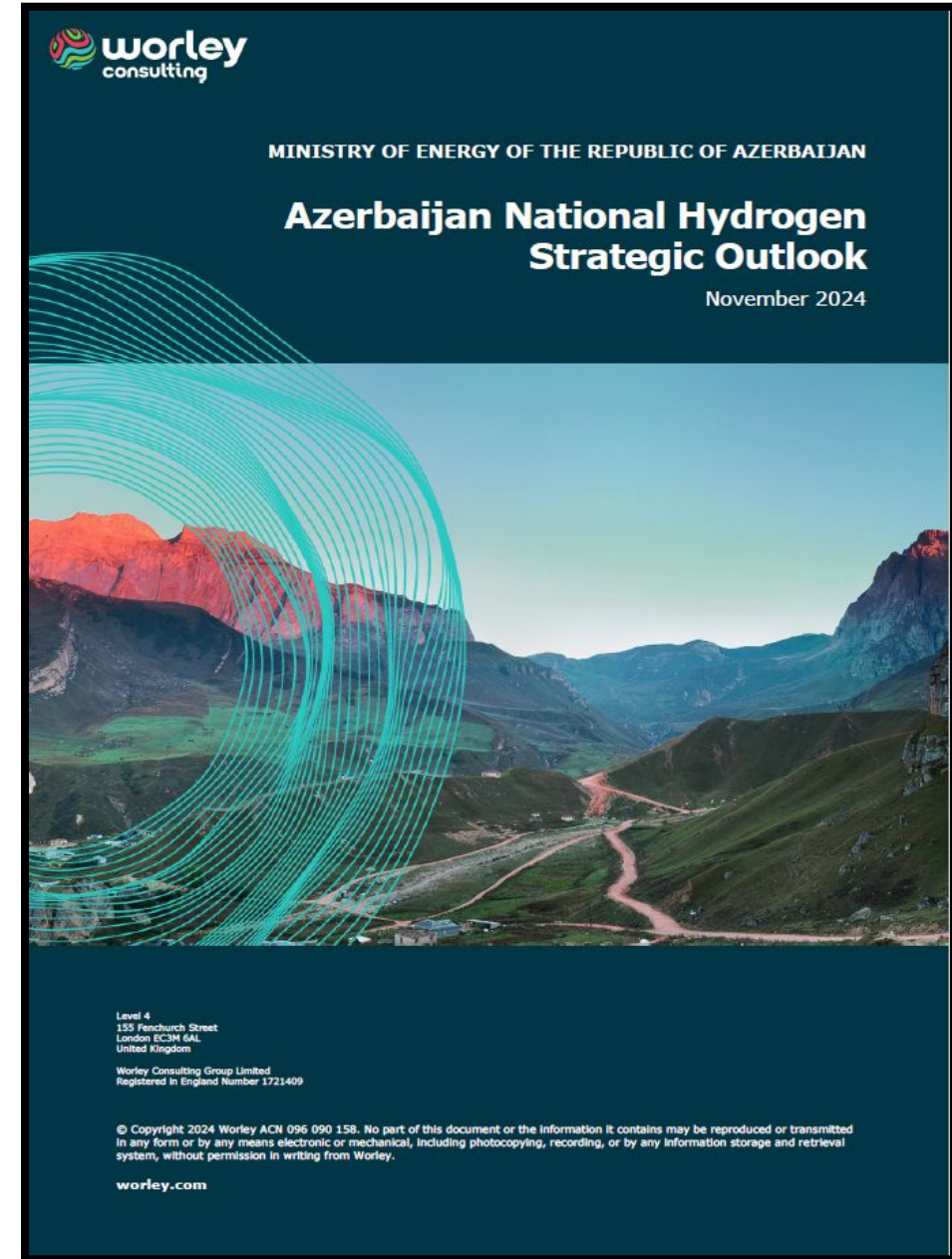
Azerbaijan National Hydrogen Strategic Outlook

- ◆ Presented at COP29
- ◆ Complies with the Hydrogen Declaration announced during the COP29 and the concept of green energy corridors implemented by our country
- ◆ 3 scenarios developed the production of green hydrogen of renewable energy capacity are required

Balanced
8.9 GW by 2050

Accelerated
17.7 GW by 2050

Ambitious
30 GW 2060



The National Plan for Electromobility Priority Directions of the Action Plan for 2025-2030

- 01 Improving the regulatory framework for the use of electric vehicles
- 02 Promoting the development of charging infrastructure in the territory of the Republic of Azerbaijan
- 03 Promoting the transition to the use of electric vehicles in public transport, commercial transport, as well as by private car owners
- 04 Organization of local industrial production and development of new industries within the framework of the transition to electromobility
- 05 Promoting the use of electricity generated from RE and digitalization in the charging infrastructure market
- 06 Development of scientific, practical and human resources potential





Thank you for the attention!