

• Vol.22

The Future of Greek Power & Gas Networks



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€ 4.3 billion are to be allocated to over 158 projects, the majority being scheduled for the 2024-2025 period.

As for the grid itself, there will be a slow fading out of **Low-Voltage** overhead cables, in contrast to the total overhead system which is set for an 18% and 26% increase in **Mid-Voltage** and **High-Voltage** cables, respectively.

3,655 km of underwater cables will be deployed so as to integrate autonomous islands with the mainland grid by 2033.





As of March 2023, the Greek-German interconnection was included in the ENTSO-E list of interconnection projects.

This new electric corridor shall act as an extension of the latest announced Greek-Saudi interconnection, starting from Preveza and reaching southern Germany. The project is set for a two-phase plan, whereas the completion of 'Phase I' will establish a link with a 3 GW net transfer capacity, reaching 9 GW by the end of 'Phase II'

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Evolution of the installed power from thermal units (MW) [2020-2030]

The **€2.8 billion NII interconnection project** has set course for **completion in 2030**, with the final phase of the Cyclades Interconnection expected to be completed within 2024.

The interconnections will significantly reduce high energy costs and carbon emissions of the NIIs, which currently rely on costly and polluting oil-fired generators. In order to increase energy security of Crete, some of the remaining oil units might need to be converted to gas and remain as CRM for periods of low supply and/or cable malfunctions.



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Dedicated budget for NG Infrastructure modernization and expansion in Attica (Mil. €) [2023 – 2027]







In 2023, global supply congestion improved due to lower demand and strategic infrastructure investments. Expanded regasification capacity at LNG terminals reduced congestion and normalized price spreads. Interconnection points from Northwest to West Europe, especially BENELUX to DACH, faced physical congestion.

Storage reserves reached **96% by September 2023**, exceeding the 2017-2022 average of 87%. However, the market remains exposed to geopolitical risks, emphasizing the need for ongoing vigilance and adaptive strategies in the energy supply landscape.

Germany has made a commitment to EU energy security and to reduce Russian dependency with their 4th FSRU set in operation in Feb 2024 with a 5th one underway.



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Source: ACER, ENTSOG, Gas LNG Europe, HAEE analysis

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Spain

France

Germany

Netherlands

Greece

Belgium

Poland Croatia

Finland Cyprus

Italy



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