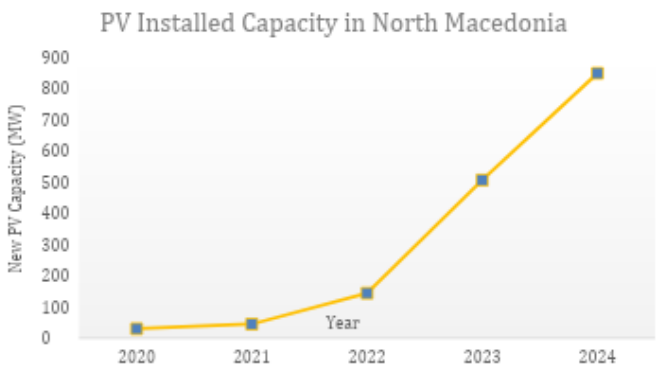
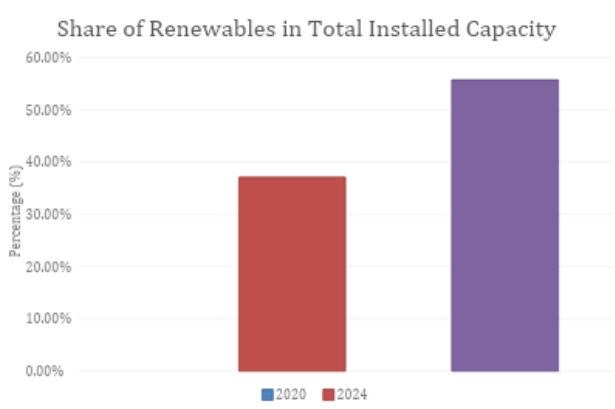
EXPANSION OF PHOTOVOLTAICS IN NORTH MACEDONIA AND FIRST STEPS TOWARDS ENERGY STORAGE

THE PHOTOVOLTAIC DRIVING FORCE

North Macedonia is undergoing a decisive energy transition, rapidly transforming changing its energy mix through thanks to photovoltaics (PV), which is becoming the fastest-growing renewable technology. Thisunprecedented expansion, driven by the European Uunion's Cclean Eenergy Ppackage, has led the country to reach 1,494 renewable plants with a total installed capacity of massive 1,663 MW installed capacity by the end of 2024, accounting for 56% of its total national capacity.



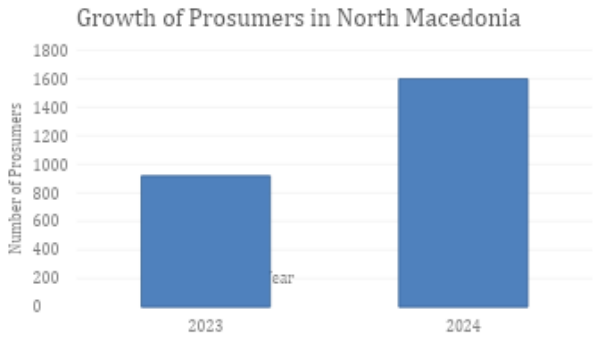


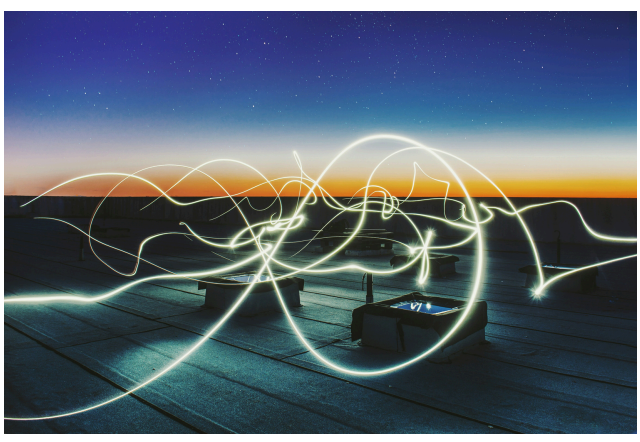
ENERGY MIX

While hydropower traditionally dominated Macedonia's renewable sector, PV systems have led the expansion between 2022 and 2024, marking an unprecedented growth period for renewable energy projects. This rapid aggressive development aligns with domestic legislative evolution projected to accelerate renewable deployment and diversify the national's energy mix.

PROSUMERS

In addition to large-scale generation, the growth of energy prosumers-households and small businesses installing rooftop systems-is notable.





REGULATORY SHIFT TOWARDS STORAGE

With PV capacity booming, attention has now shifted is now focused on energy storage, viewed as considered the next frontier for ensuring a resilient energy sector. An important turning point occurred with the 2022 amendments to the Energy Law, which officially introduced, for the first time, the concept of "operator of energy storage facilities".

SECURING ENERGY INDIPENDENCE

Energy storage is expected to accelerate the energy transition towards a more sustainable, flexible, and resilient energy sector.

PV Plant Capacity (kW)	Battery Capacity (kW)	Investor
1,575	1,000	Energo Solar System
2,700	1,600	Energo Solar System

CONCLUSIONS

The continued growth of solar power and the development of storage capabilities will play a decisive role in securing North Macedonia's energy independence and promoting a sustainable energy future, in line with the EU's broader objectives.

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