

# 27<sup>ο</sup> Εθνικό Συνέδριο «Ενέργεια και Ανάπτυξη»

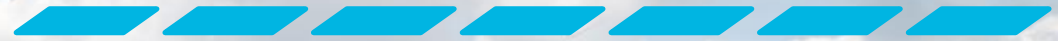


# Wind & Solar Energy in Greece

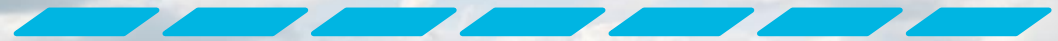
5 GW installed Wind capacity



5.5 GW installed Solar capacity



Provide power for 5.5 m households



# Current grid capacity & outlook for 2030

➤ The grid's capacity (as projected for 2030) is already exhausted

➤ 30 GW of binding connection offers applications are pending

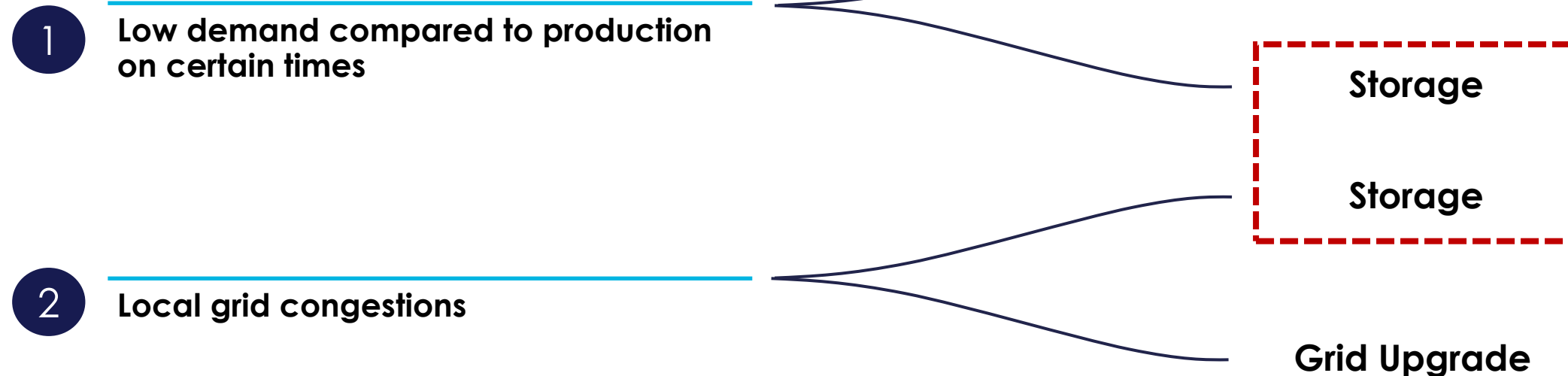
**Grid capacity 2030**  
*(IPTO plan)*

**13.5 GW IPTO (87%)**  
**2 GW HEDNO (13%)**

*(expected in operation within 5 years)*



## Why are curtailments implemented?





## Solar & BESS co-location

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**Enables 200%  
more solar  
access to the grid**

**Increases grid's  
efficiency by 34%**

**Estimated LCOE  
71.26 €/MWh**

**The higher LCOE presents the need of subsidization for these kind of projects**



Thank you