

# Lessons from the War in Gaza: What have we learned?

**Dr. Amit Mor**

**The 20<sup>th</sup> Israel International Energy & Business Convention  
Kfar Maccabiah Hotel, January 22-23, 2024**



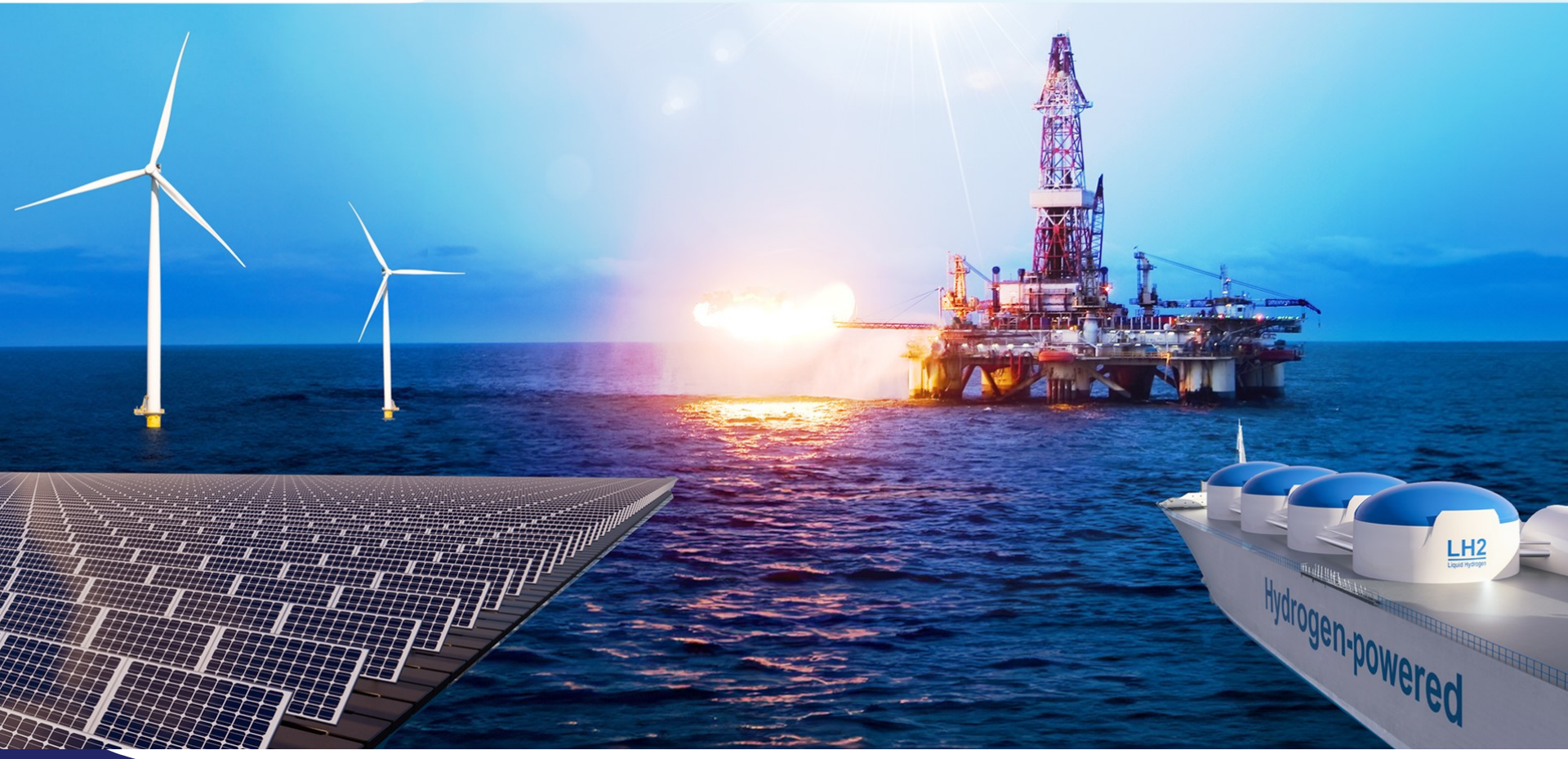


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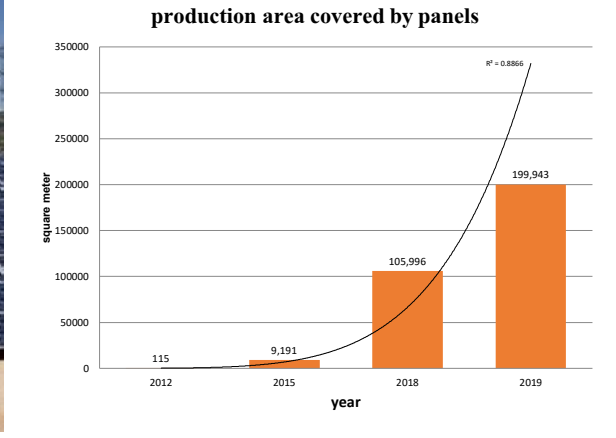
# Welcome to the 20th Israel International Energy & Business Convention





# Electricity Supply to Gaza





# Gaza Solar Energy Development 2012-2019

**2023 - ~55% of the Gazan electricity was supplied by solar PV**

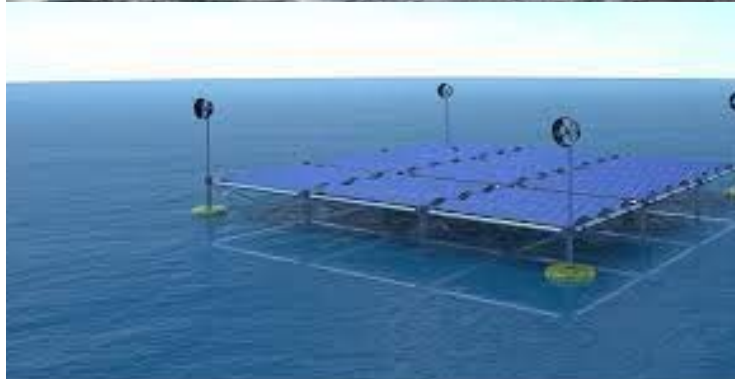
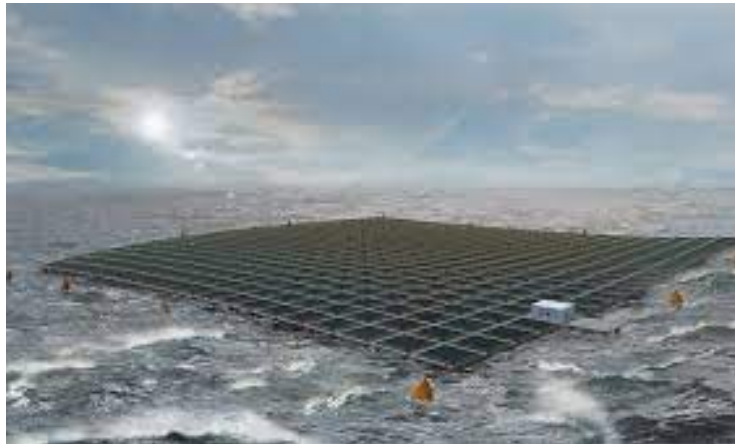


*Source: Itay Fishhendler, Lior Herman, Lioz David, 2021*

# Distributed Renewable Energy plus Storage Enhance Energy Security



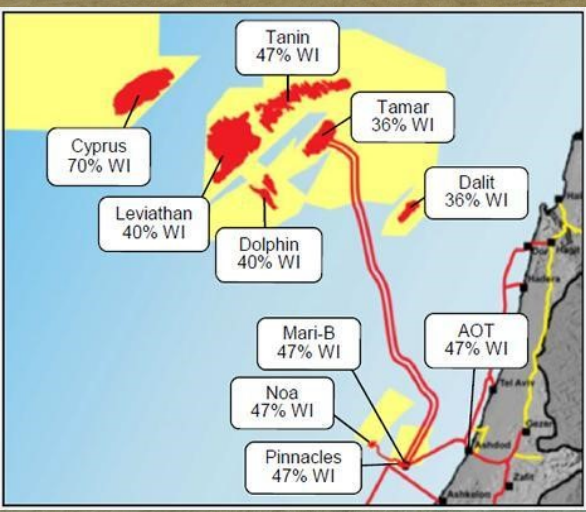
# Seas and Lakes: the Future of Renewable Energy



# The Tamar Project



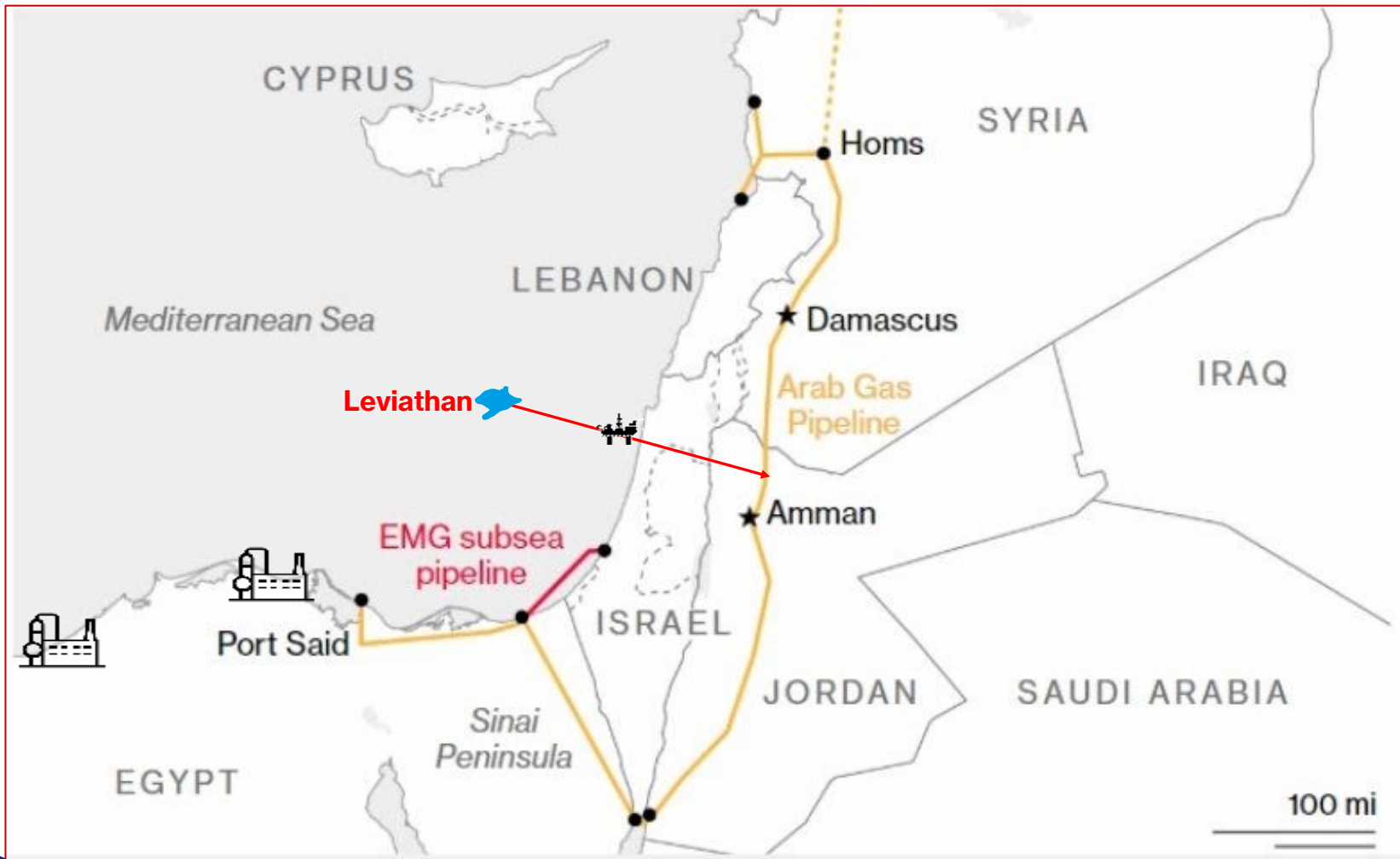
## Strategic & Security Risks



- Drill 8 wells to ~ 5000 m
- Install subsea development @ 1700 m
- Install 150 km of dual 16" pipelines
- Build and transport Tamar platform
- Install Tamar platform near Mari-B

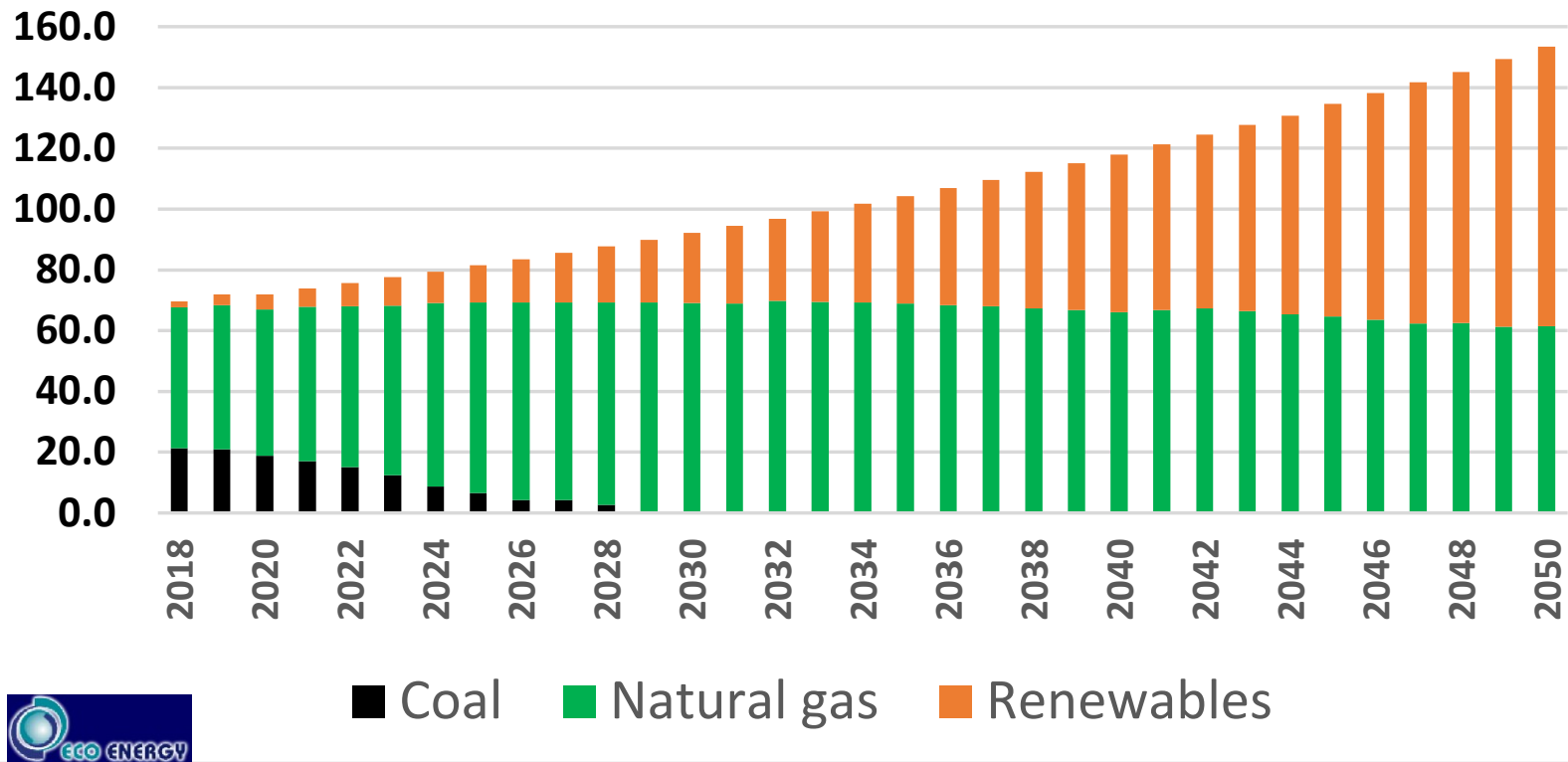


# Export of Israeli gas to Jordan & Egypt



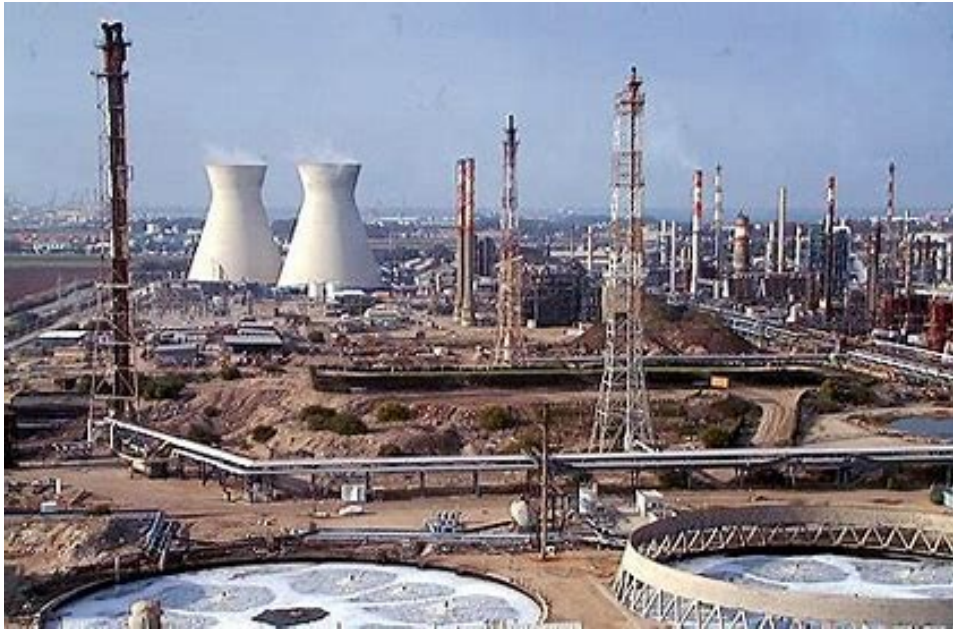


## Electricity Demand Forecast 2022-2050 By Fuel, TeraWatt Hour



*Source: Eco Energy, March 2021*

# Oil imports and refineries under threats



# Houthi Attacks Shutting Down Res Sea Oil & Merchant Shipping



# Strategic Petroleum Reserves

- EAPC
- Energy Infrastructure

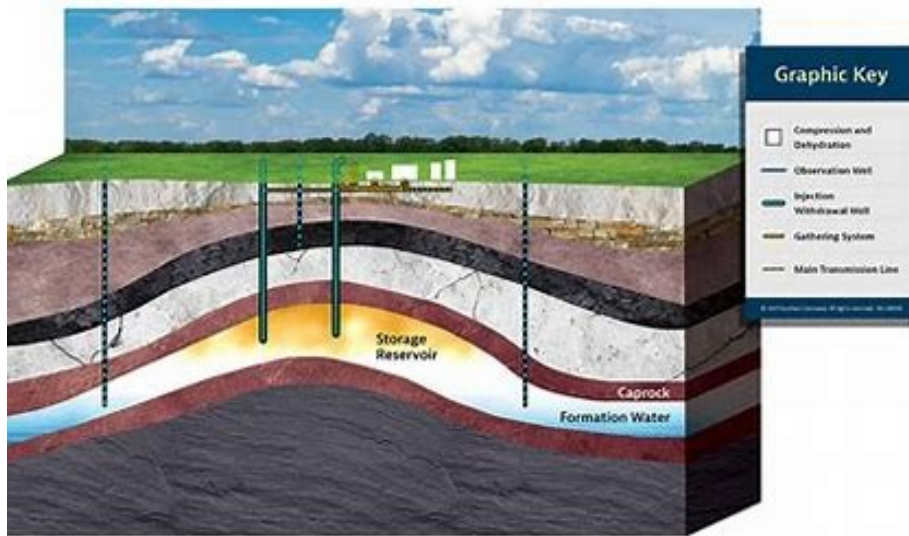
**“Strategic Reserves are National Security”, Yitzhak Rabin 1989**



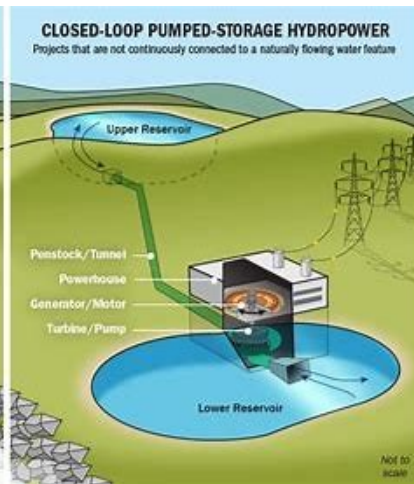
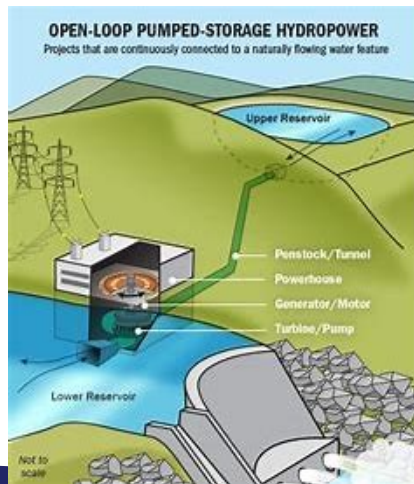
# Coal plants' backup



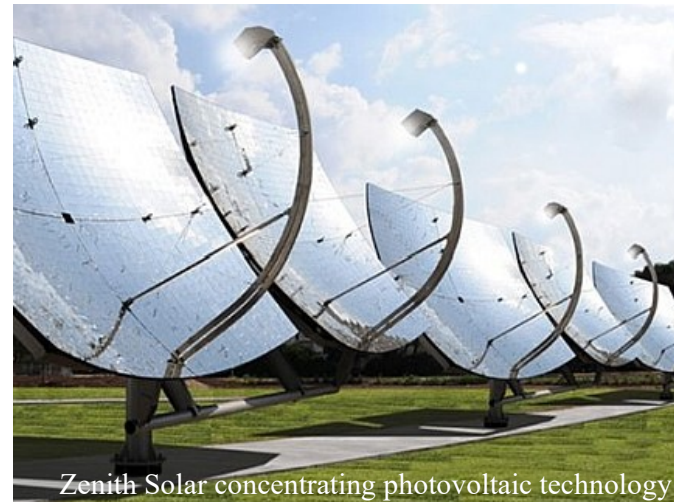
# Onshore strategic reserves of natural gas storage is a must



# Long Duration Energy Storage



# Natural gas, energy storage & renewable energy to enhance energy and environmental security



**Thank You**