



Prospects and challenges in the international and Israeli energy sector

Presented by Dr. Amit Mor

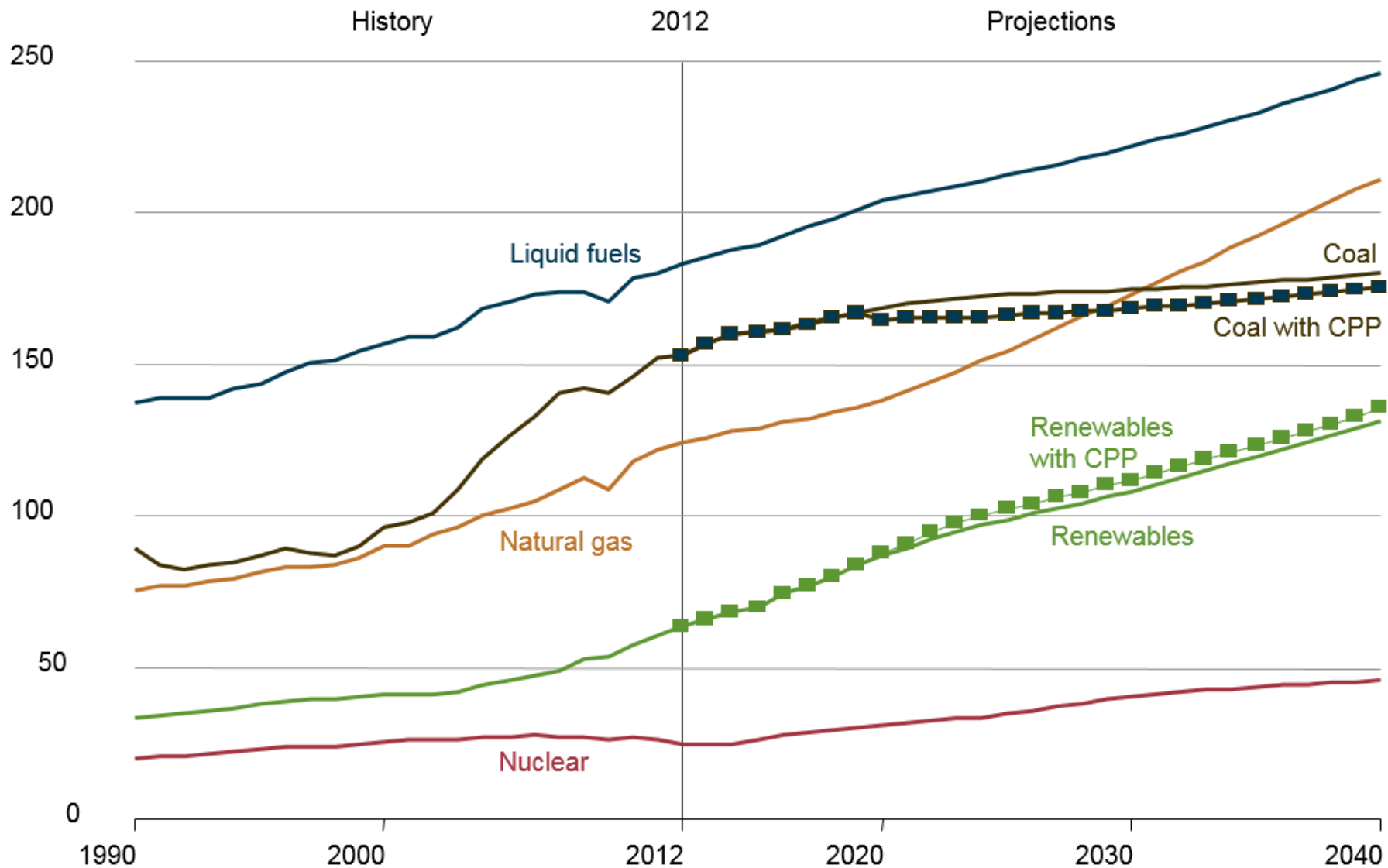
Israel Energy & Business Convention 2016
Kfar Maccabia Hotel, Tel Aviv, November 21-22, 2016



Eco Energy Ltd., Kobi Building, 9 Maskit St., POBox 4079, Herzliya Pituach 46140, Israel
Tel. +972-9-957-9331; Fax. +972-9-956-4255; email. Amitmor@ecoenergy.co.il

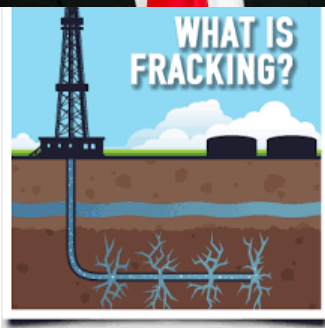
Figure ES-2. Total world energy consumption by energy source, 1990-2040

quadrillion Btu





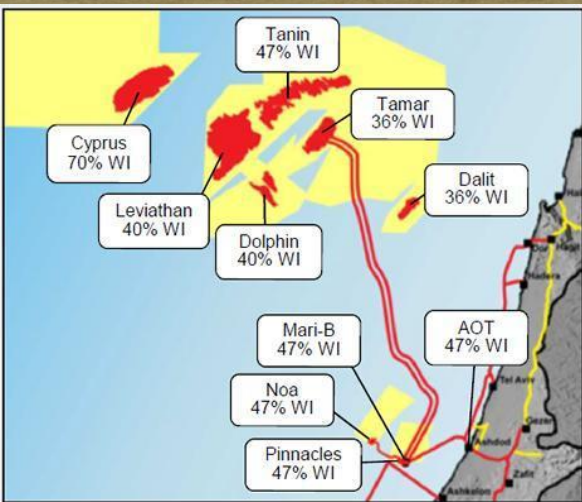
November 20, 2016
\$45.69/barrel (WTI)



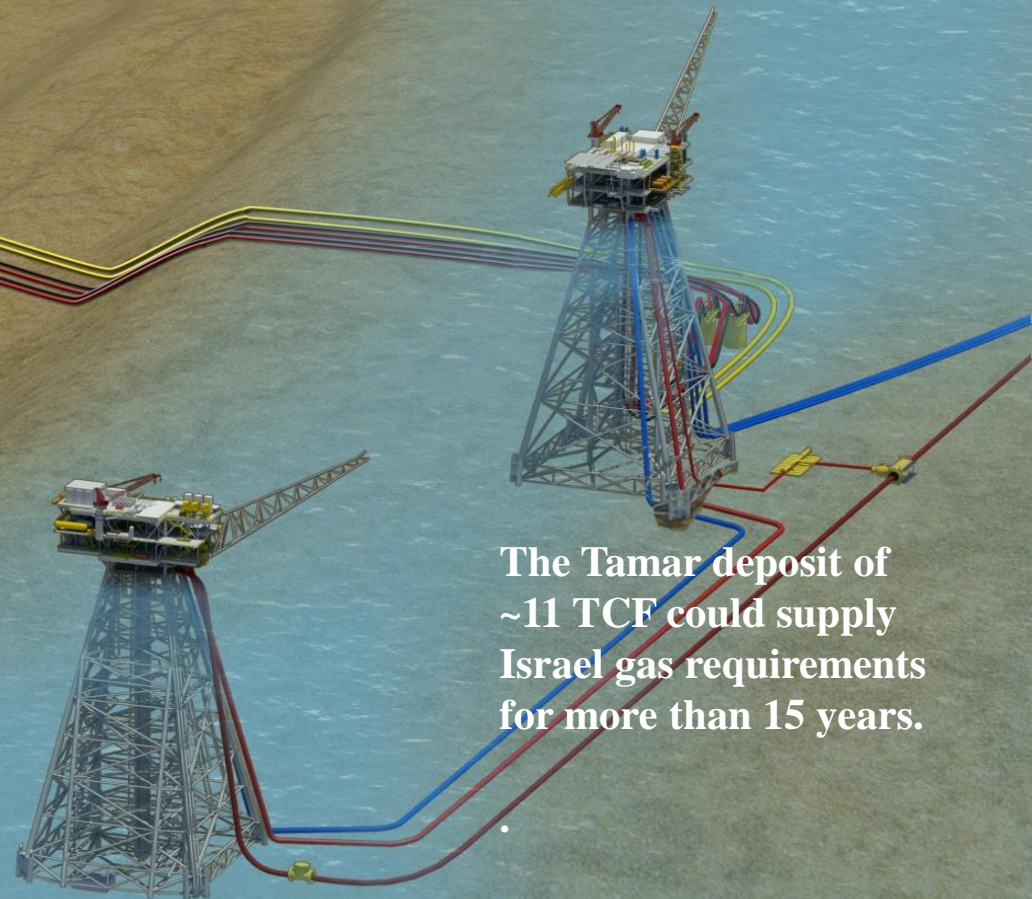
Technical Strategic & Security Risks



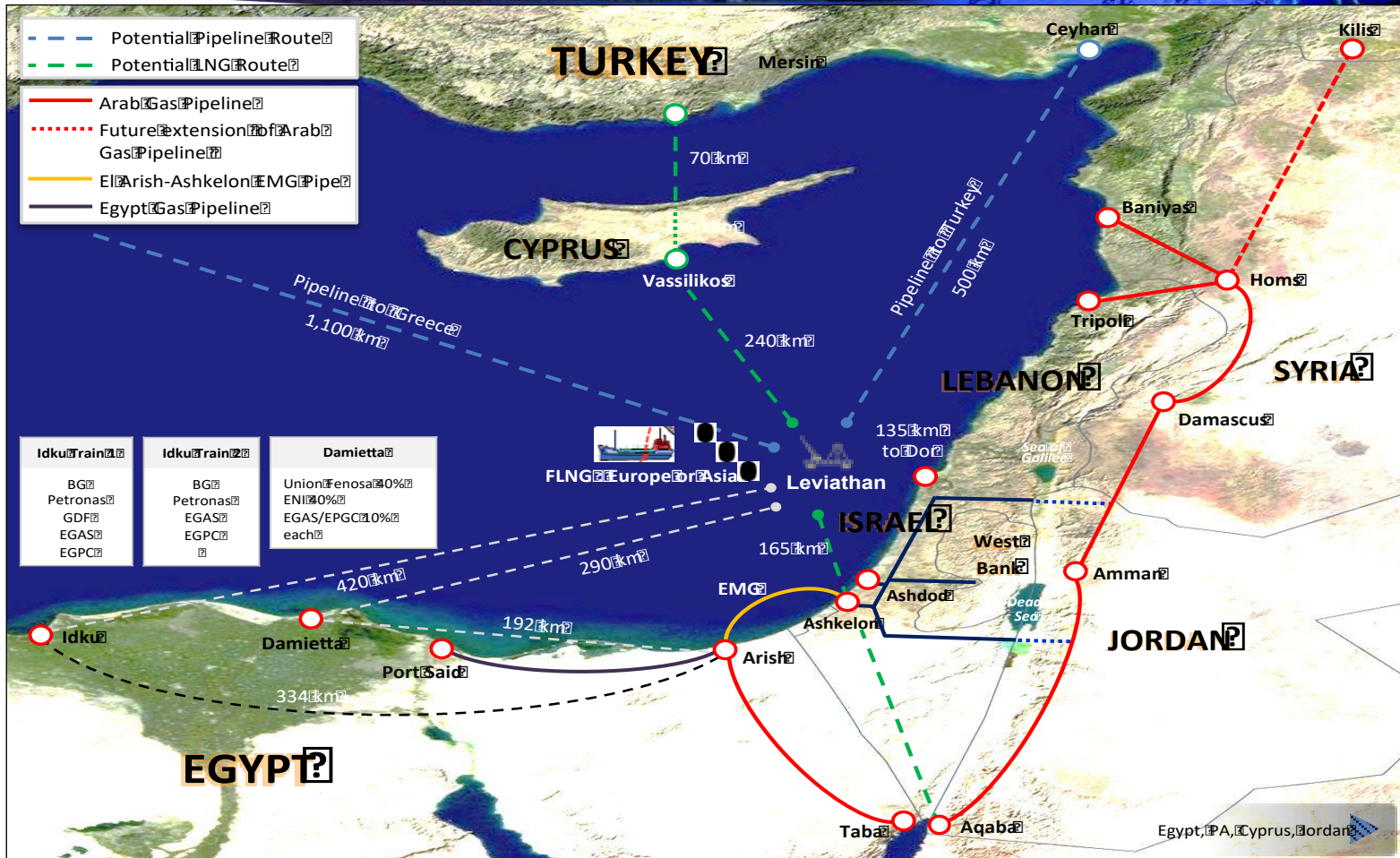
The Tamar Project



- Drill 5 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



The Tamar deposit of ~11 TCF could supply Israel gas requirements for more than 15 years.



Egypt's Gas Prices for IOCs - \$/mmbtu

Onshore/ Associated - 3.5

Shallow Offshore - 4.10

Deep Offshore - 5.88

**Renewable energy, mostly PV:
2016 – 800 MW
2020- 2000 MW?**



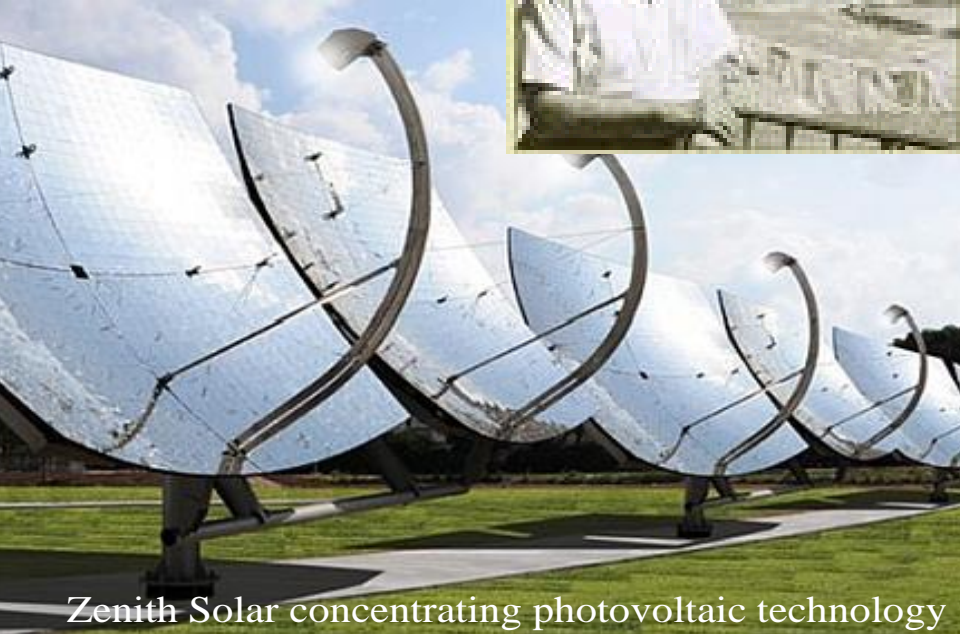
The Luz II / Brightsource demon



**Luz and its successor Solel
Solar thermal power plants**



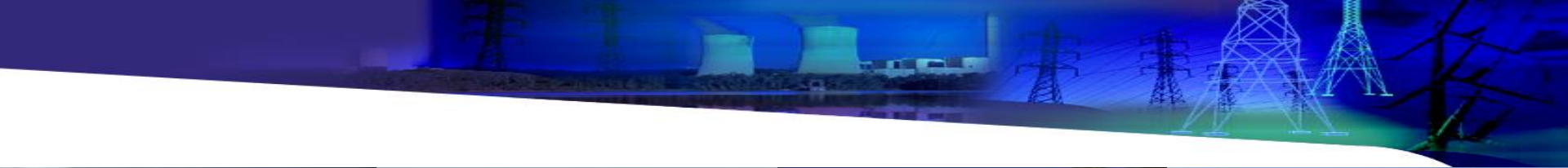
**In the 1980s Israel's Luz commissioned a 352 MW
thermal solar plant in the Mojave desert, CA**



Zenith Solar concentrating photovoltaic technology



Aora solar thermal tower



The Clean Transportation Vision



Natural gas & renewable energy to enhance energy and environmental security



Zenith Solar concentrating photovoltaic technology

Thank You