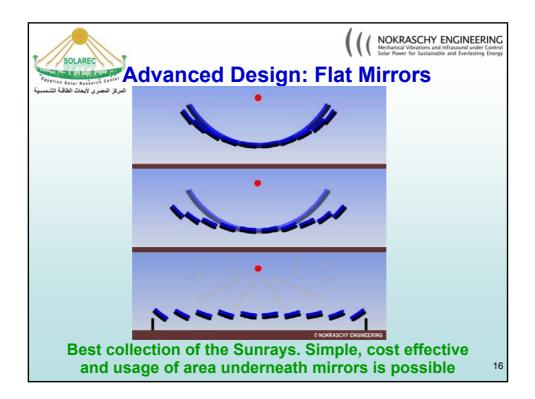
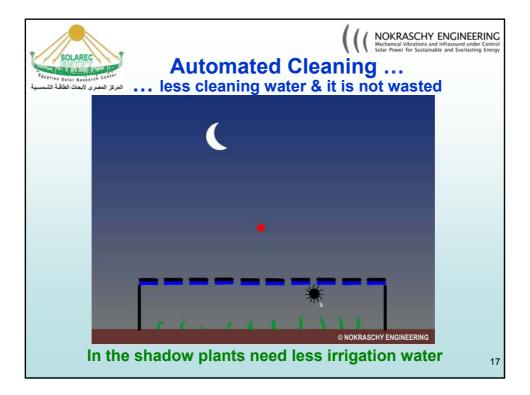


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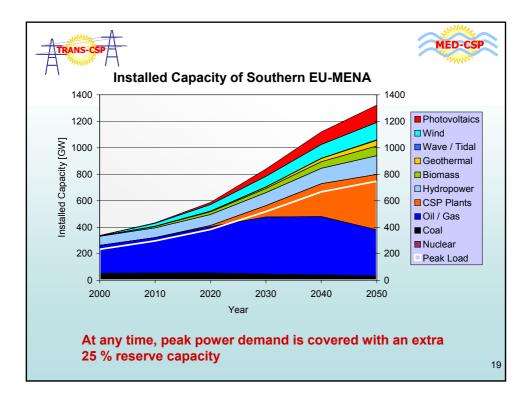
50 MW CSP power plant in Spain using molten salt as storage for 7 h full load

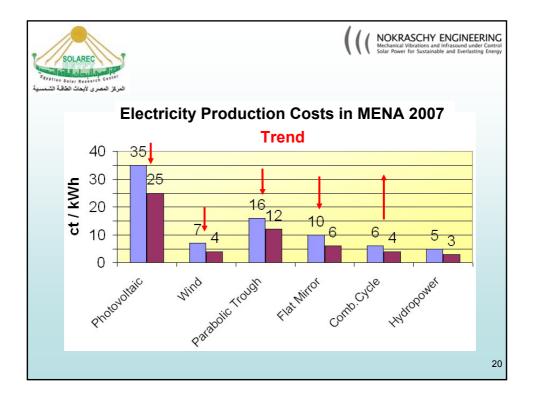


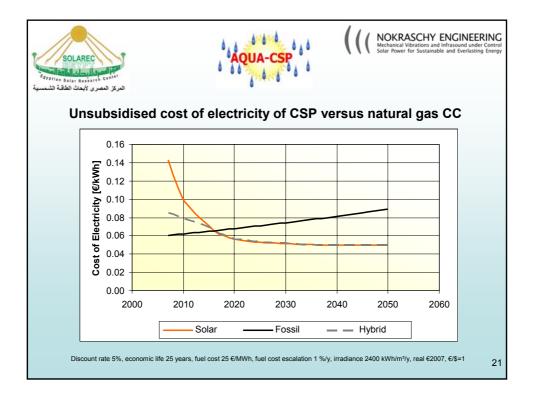




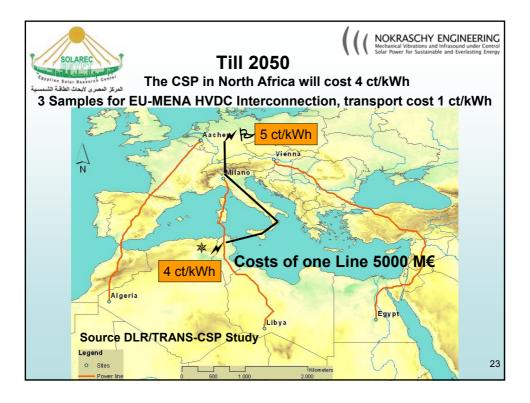


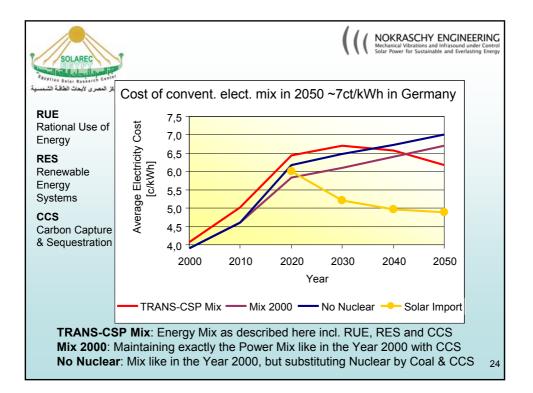


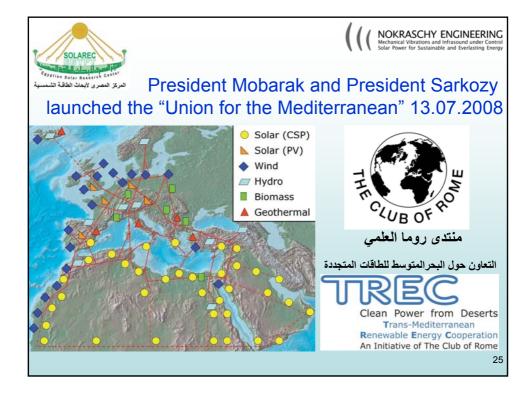


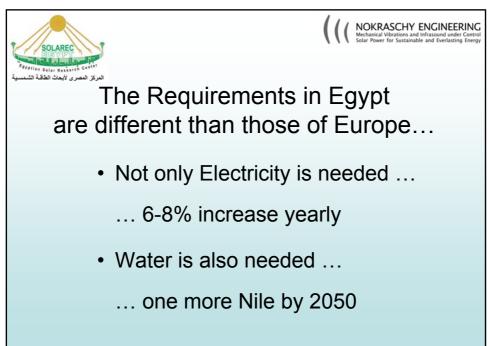


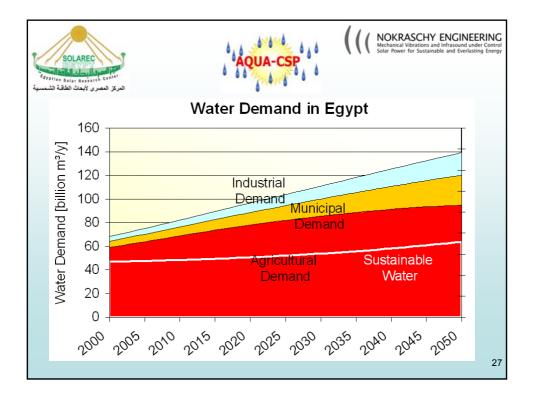


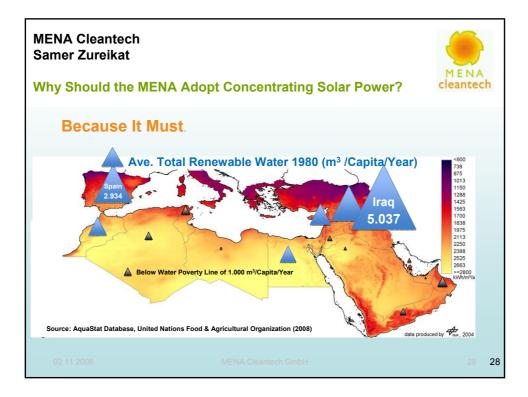


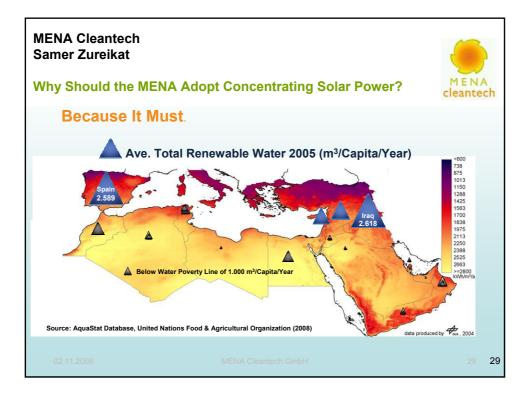


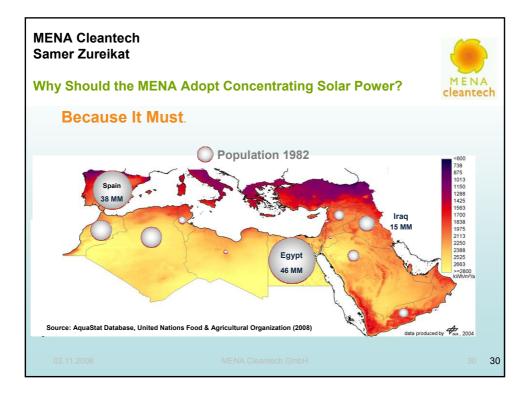


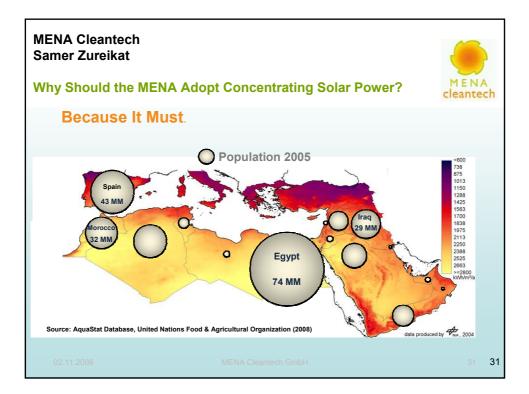


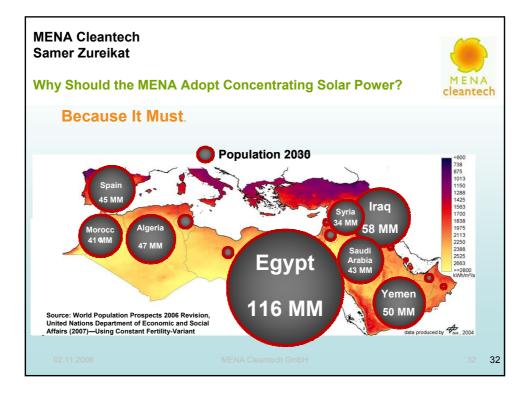


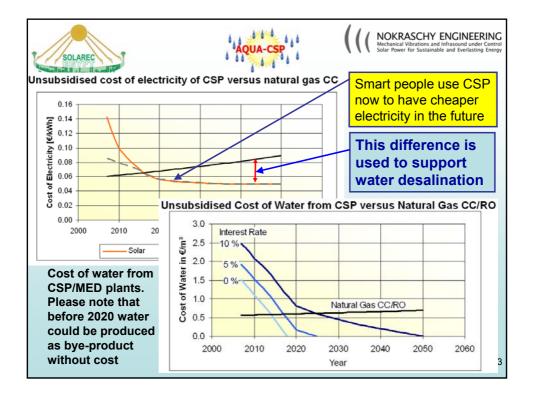


















## **A Political and Financial**

Framework shall give security to the participants

### For Example:

- A European company establishes together with a company from MENA a Low Cost Solar Power Station in a MENA country.
- Solar-Hybrid concept is preferred to ensure supply on demand.
- The solar electricity share of at least 20% will be transmitted to Europe (Transmission costs 1 ct/kWh with HVDC lines) while the conventional share will be consumed in the MENA country.
- Beside electricity, desalted water will be produced from the waste heat of the power station, thus boosting the economies.
- Electricity may be used to produce clean Hydrogen

NOKRASCHY ENGINEERING librations and Infrasound under Contro for Sustainable and Everlasting Energy SOLAREO Plian Solar Bassard ركز المصرى لأبحاث الطاقية الشر General Ideas for the Framework Renewable energy shall be produced where it is most economical. For example in MENA countries Wind 10 m/s (gulf of Suez and Atlas mountains) ۲ Sun 3000 kWh/m<sup>2</sup>/y (nearly all over the Sahara) Agreements between country groups or bilateral agreements are suitable to reach the goal. Mutual benefit is aimed in this co-operation. ٠ At the start phase strong support from the European country to • the MENA country will accelerate the development. Clean electricity and Hydrogen from MENA shall cover about 15% of Europe's demand.

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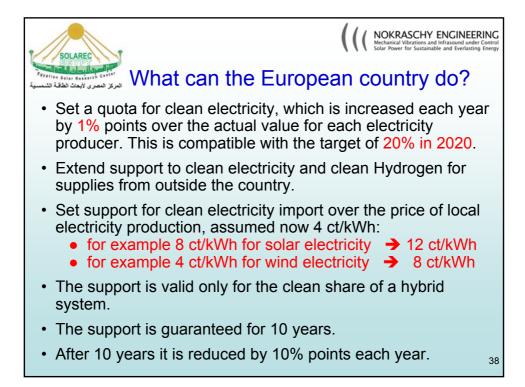


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# What can the MENA-country do?

- Shift subsidies from oil/gas to electricity directly to the user, privileging RE.
- Offer free land and infrastructure.
- Buy the conventional electricity share (for example at 2.5 ct/kWh depend. on fuel price)
- Buy the desalted water produced from waste heat (for example at 50 ct/m<sup>3</sup>)
- · Guarantee by law capital security.
- Free from taxes for the first 10 years.







# What are the "Win-Win-objectives"?

#### • Europe wins:

- Clean and cheaper electricity and Hydrogen.
- Employment due to investment instead of burning oil
- Diversification of energy sources.

#### • MENA wins:

- Water + Water + Water
- Sells electricity and Hydrogen for a reasonable price.
- Social and economic development.

### • Environment wins:

- Less CO<sub>2</sub> emission.
- This system encourages developing low cost equipment and extending solar share to 100% using heat storage.

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