

## واقع ومستقبل قطاع الكهرباء في الوطن العربي

### Current and future status of the Electricity Sector in the Arab Countries

- Installed Capacity in the Arab Countries In 2015 was 258 GW
- Average Growth Rate in Max. Demand during 2003-2015 was between 5-10%. It is considered to be high compared to international standards Which is between 1.2-2.4%.
- Electricity Forecast during the period 2015 - 2020 is expected to be in the range of 5-8% , while in the long future 2020-2025 will go a little down between 5-6%.
- Why Electricity demand is high in the Arab Countries :
  - High growth rate in Population.
  - High economic growth.
  - **High subsidies which leads to bad consumption.**
  - High losses in electricity systems in many countries.
- Additional Capacities During (2015-2020) 140 GW
- Total cost is 278 billion \$, 189 billion \$ for generation and 89 billion \$ for transmission and distribution
- Electrical interconnection between Arab Countries is covering three rejoin:
  - East Block (Jordan, Palestine, Egypt, Libya, Syria, Lebanon, Iraq, Turkey.)
  - West Block (Libya, Tunis, Algeria, Morocco)
  - Arab Gulf Block ( Saudi Arabia, Kuwait, Qatar, Bahrain, Emirates, Oman)
- The interconnection is not efficiently utilized , because:
  - Lack of enough generation capacity in most of the countries especially in summer .
  - Interconnection is not taken into consideration during planning stage in most of Arab Countries.
  - Weak interconnection between some countries.
  - No synchronize interconnection between Turkey – Syria - Iraq.
  - Weak political will behind exchange of energy.