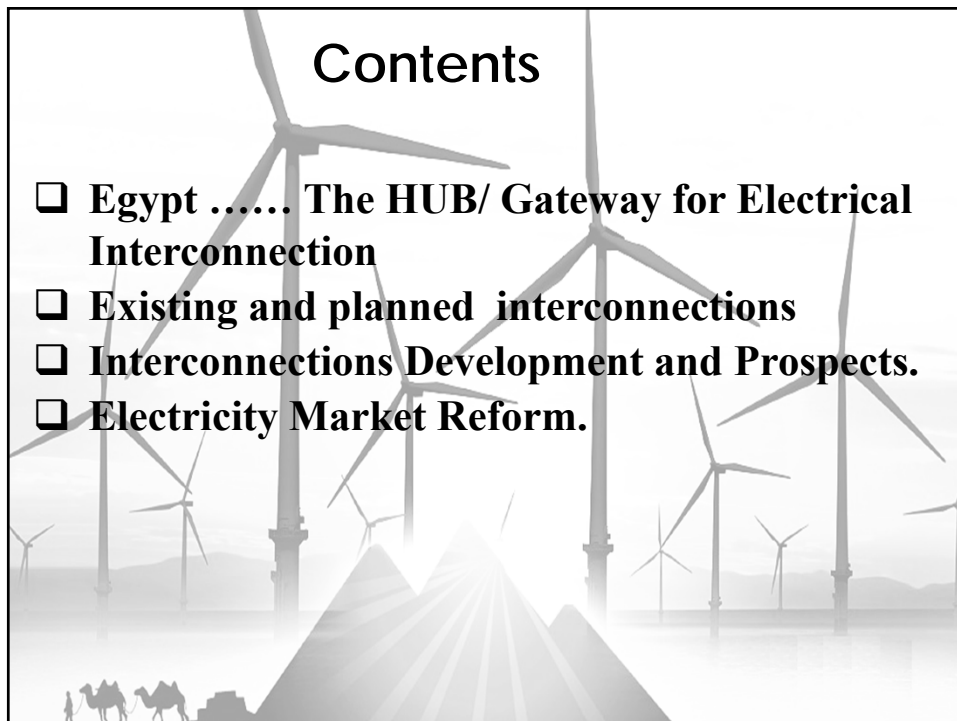


**Cross-border Interconnection &
Electricity Market integration in Egypt**

Dr. Dalal HELMI

Sector Head; Electricity Market and Cross-Boarder Interconnection
Head of Steering Committee for Arab Interconnection
EEHC Focal Point with GEIDCO

Cairo, Egypt

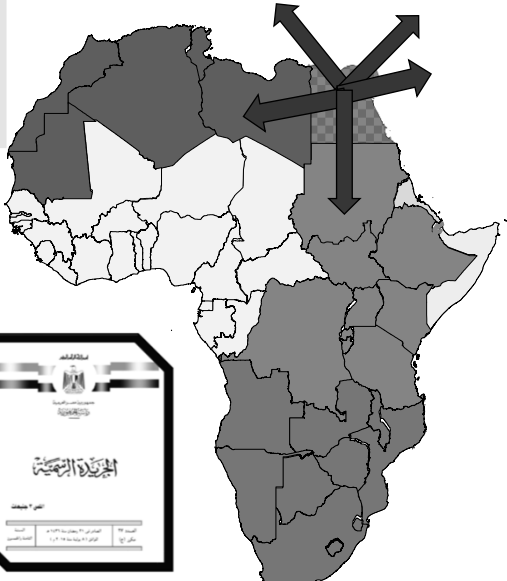




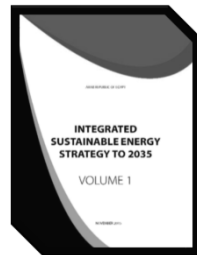
Contents

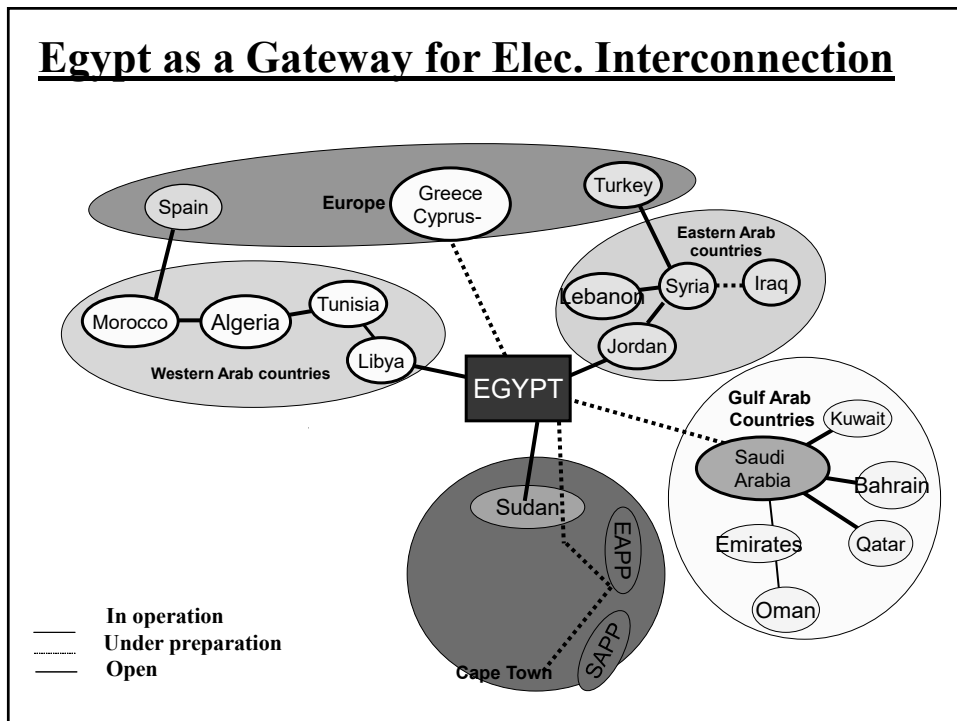
- Egypt The HUB/ Gateway for Electrical Interconnection**
- Existing and planned interconnections**
- Interconnections Development and Prospects.**
- Electricity Market Reform.**

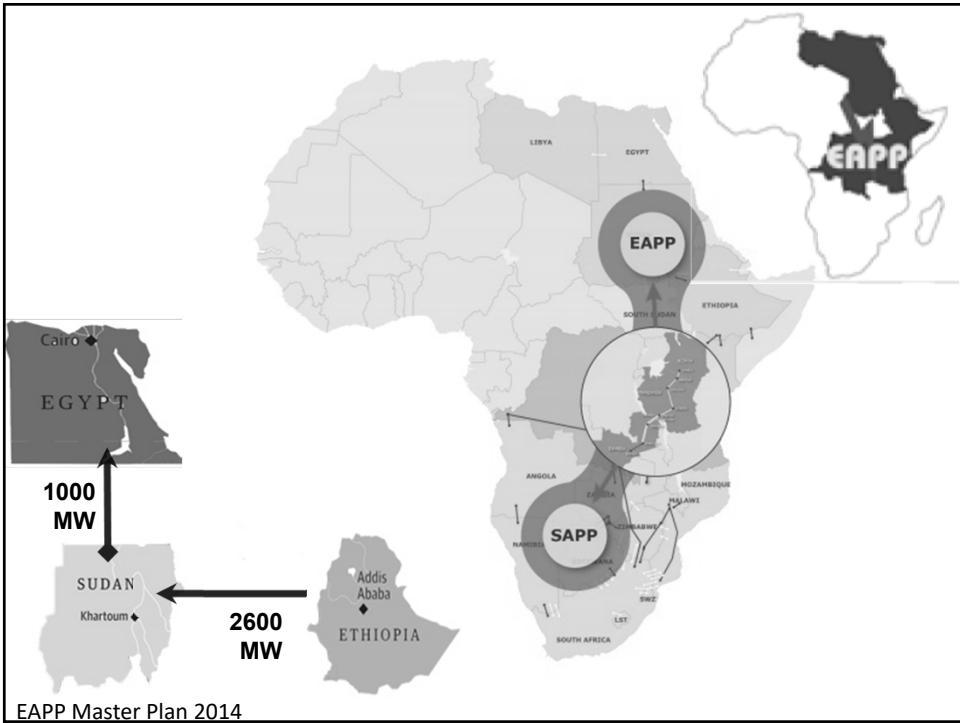
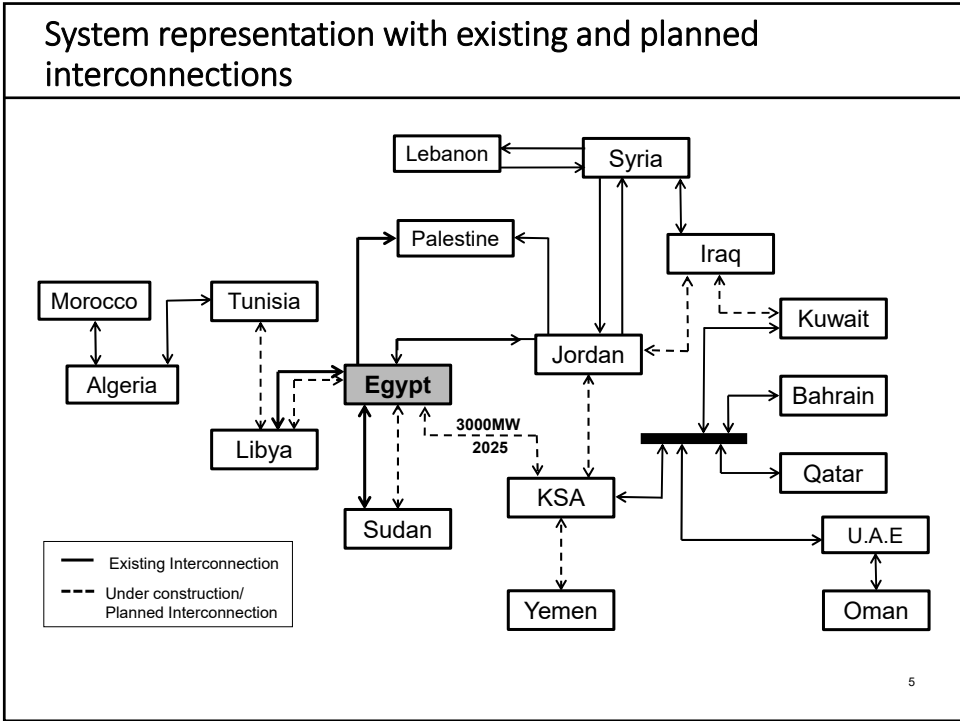
Egypt is a Gateway for Electrical Interconnection

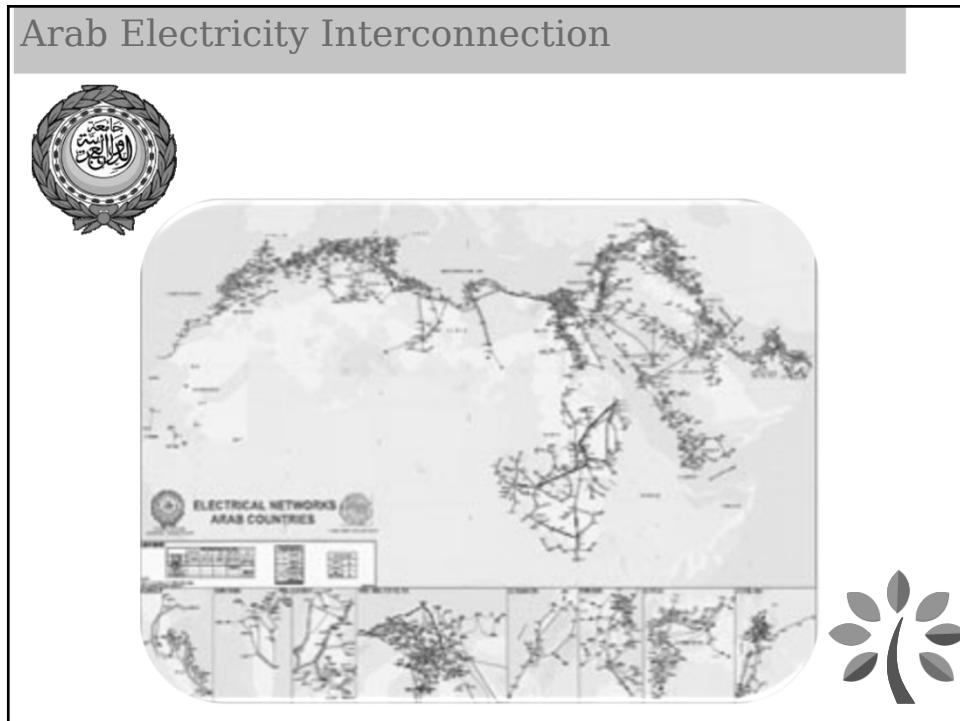
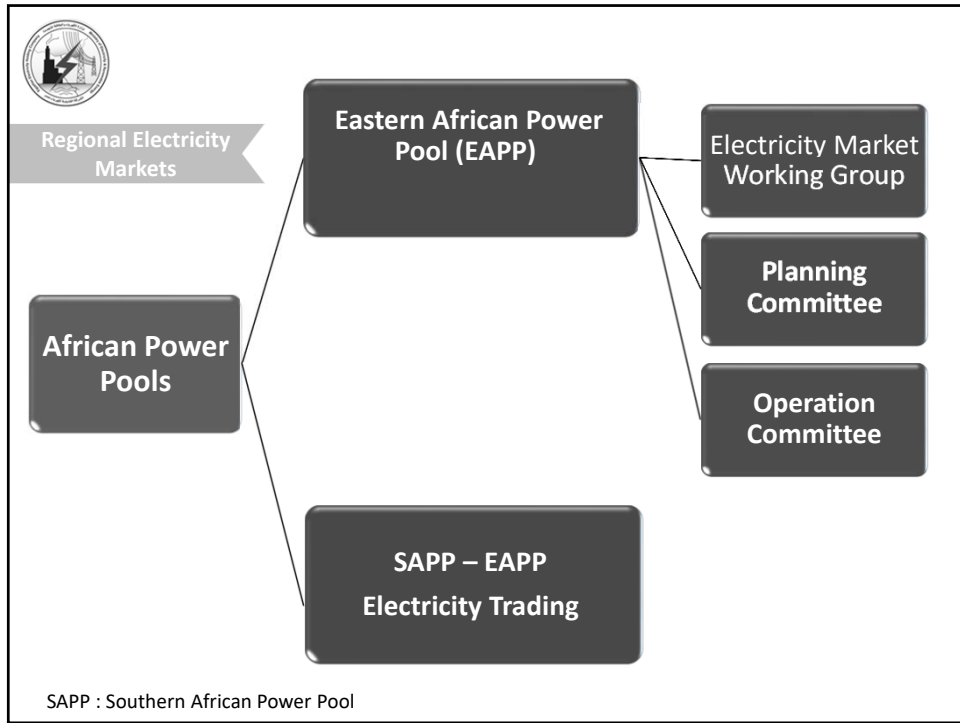
Electricity Interconnection
 - Point to Point
 - Electricity Markets

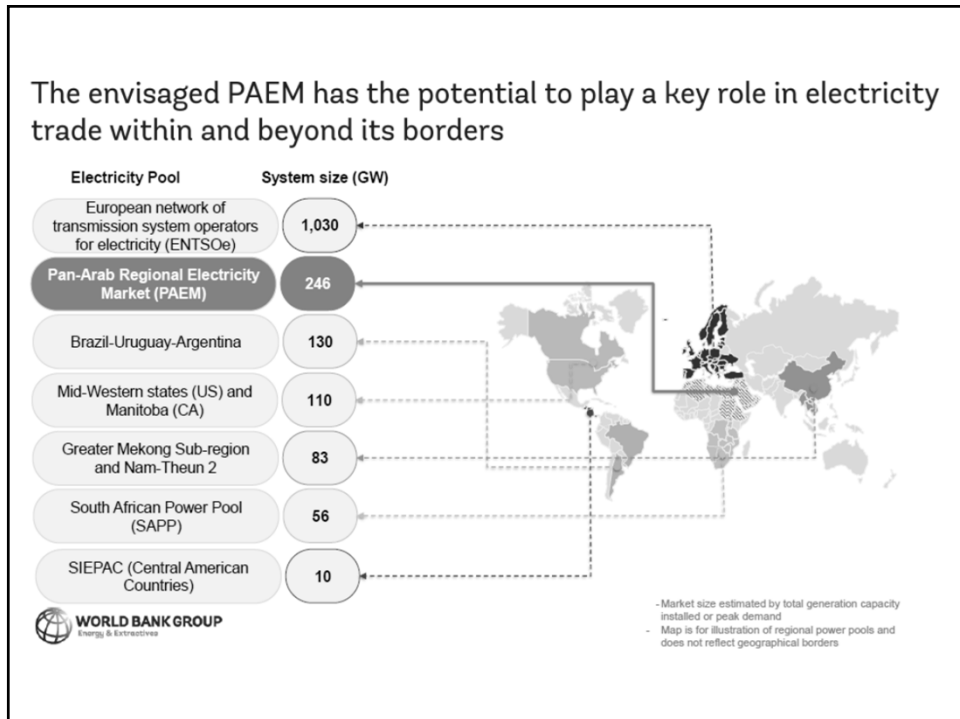










السوق العربية المشتركة للكهرباء

وثيقة السوق العربية المشتركة للكهرباء طبقا لاجتماعات فريق العمل واللجنة التوجيهية
(تونس - فبراير ٢٠٢٠)



قواعد تشغيل الشبكات



اتفاقية السوق العربية المشتركة للكهرباء



الاتفاقية العامة



بتاريخ ٥ نوفمبر ٢٠١٩ تم توقيع مذكرة تفاهم بين مصر والأردن و هيئة الربط الطبيعي بجامعة الدول العربية على هامش الاجتماع رقم ٢٥ للمكتب التنفيذي لمجلس وزراء الكهرباء العرب

GEI - GEIDCO

توقيع إتفاقية تعاون مع المنظمة الدولية لتطوير مشروعات الربط الكهربائي (GEIDCO)



MEMORANDUM OF UNDERSTANDING
BETWEEN
THE MINISTRY OF ELECTRICITY & RENEWABLE ENERGY OF EGYPT (MoERE)
AND
GLOBAL ENERGY INTERCONNECTION DEVELOPMENT & COOPERATION ORGANIZATION (GEIDCO)
ON COOPERATION
IN THE FIELD OF
ELECTRICITY SECTOR DEVELOPMENT AND CONNECTIVITY IN EGYPT





en.geidco.org/members/

Home | About GEI | GEIDCO Overview | News & Media | Events | Project Development

Member News | Service Guide | Member List | Membership Application | Alliance

Home > Members

Global Members of GEIDCO (2018)

Enara Capital Limited	Egyptian Electricity Holding Company(EEHC)
CENACE	SNEL SA
Homelex Ltd.	

Browser search results for 'Egyptian Electricity Holding Company(EEHC)':

- Independent Power Transmission Operator S.A.
- Sarawak Energy Berhad
- PT Inalum (Persero)
- Uganda Electricity Generation CO.LTD
- Terrenus Energy Pte.LTD.
- CAMMESA
- Erdenes Mongol
- Ghana Grid Company Limited(GridCo)
- Egyptian Electricity Holding Company(EEHC)**

Academic Journal - Global Energy Interconnection

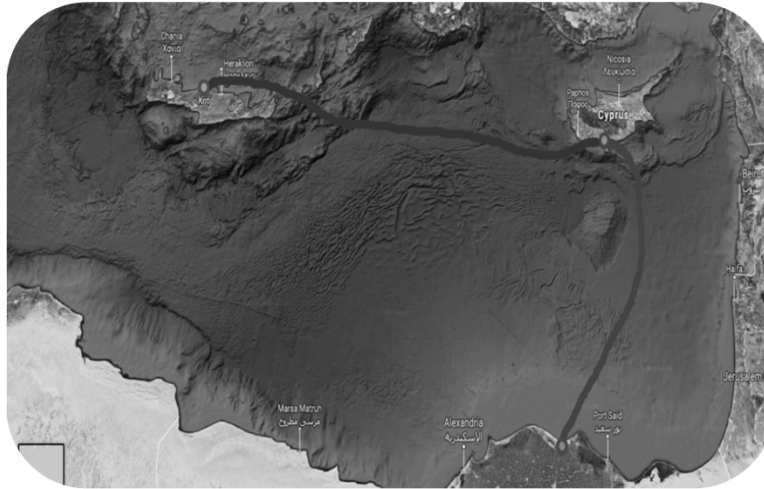
Global Energy Interconnection

Legend:

- Load Center
- Hydropower Base
- Wind Power Base
- Solar Power Base
- Energy Flow Direction

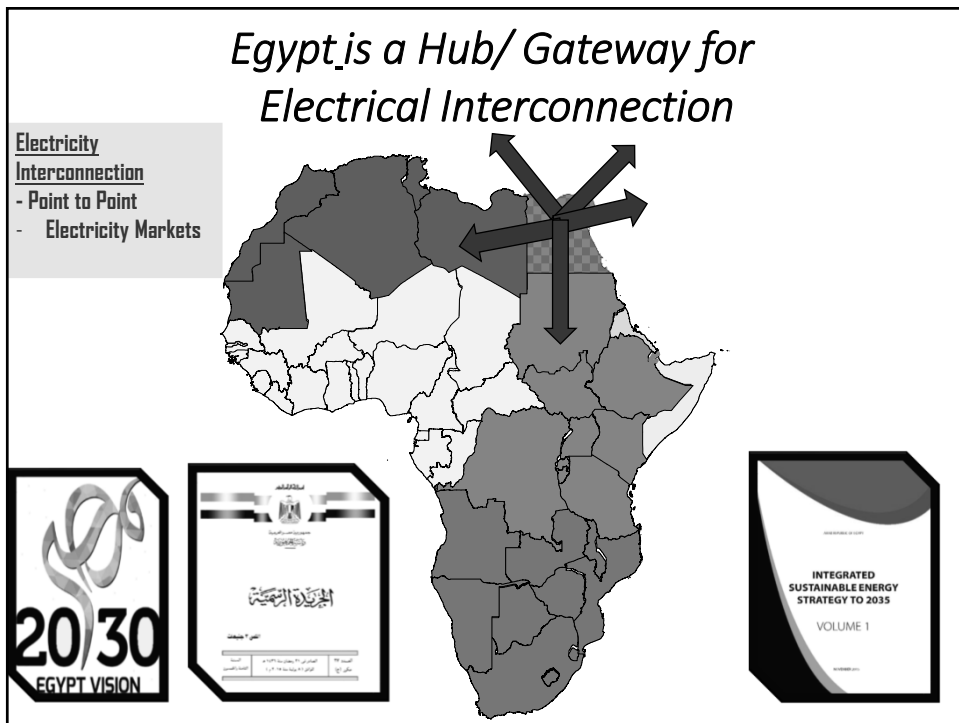
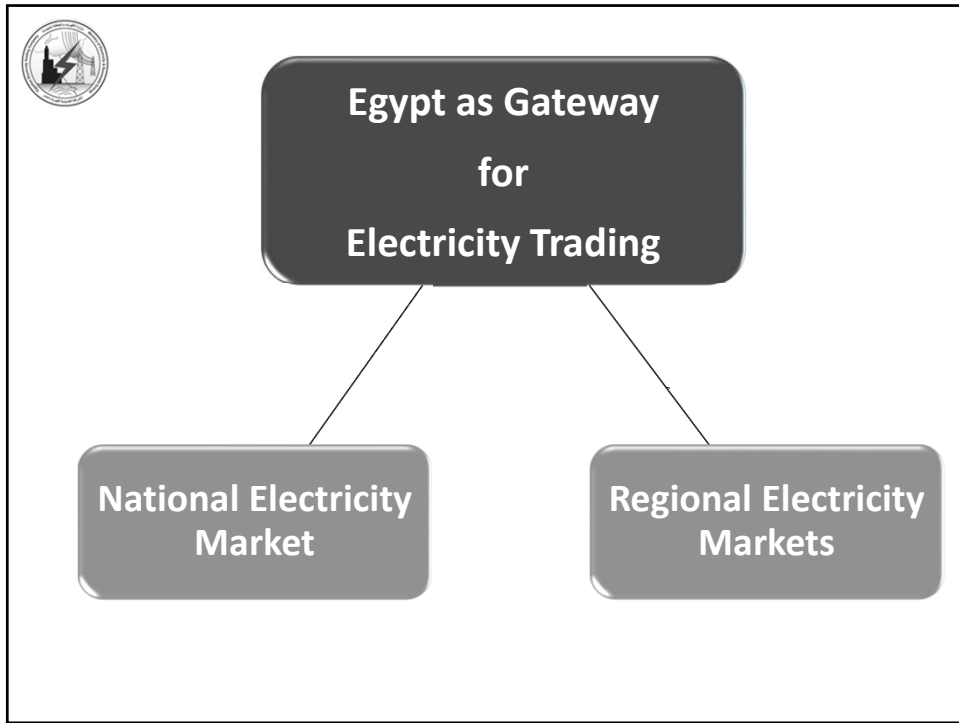


Egypt – Cyprus..... to Greece Interconnector



15

Integrated Electricity Markets



National Electricity Market



Background:

Restructure of Egyptian Electricity Sector

- Reform in Egypt began in the mid 1990's.
- Change in the law has been done to:
 - remove sole right of the **E**gyptian **E**lectricity **A**uthority (EEA), to generate electricity, and
 - allow private investors to **B**uild, **O**wn, **O**perate and ultimately **T**ransfer (**BOOT**) generation power plants.
- Originally, all privately generated electricity was purchased by the EEA under long term contracts.

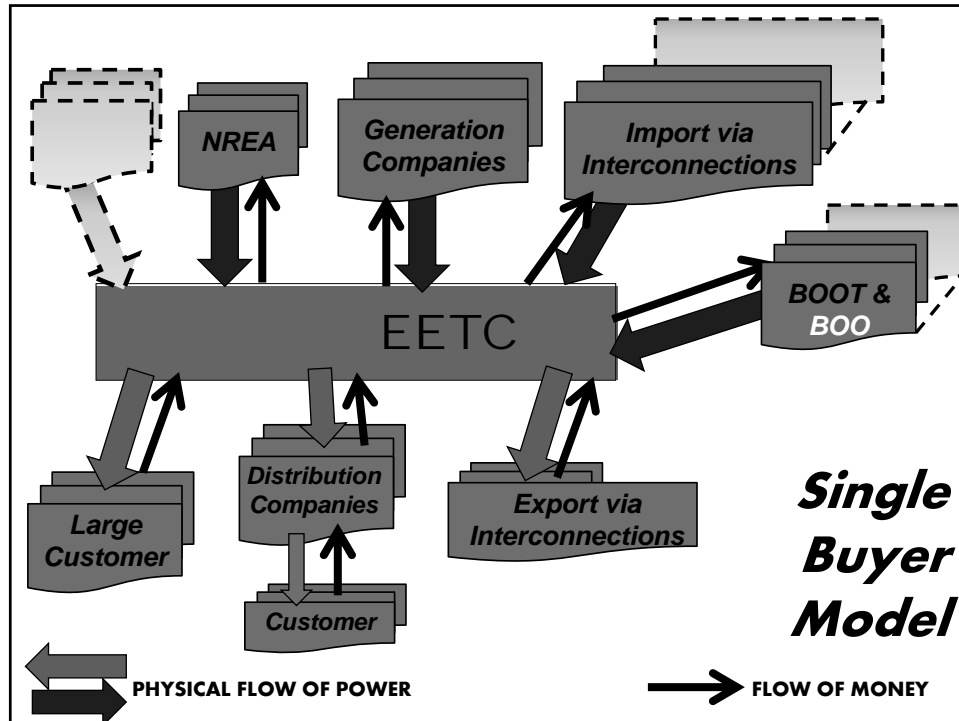


- In 2000, EEHC was established.
- Parallel to these, the Egyptian Electricity Utility and Consumer Protection Regulatory Agency (EgyptERA) was established in 2000 as an independent legal entity from:
 - The Ministry of Electricity and Energy and
 - The service providers.
 however its board of directors is chaired by the Minister of Electricity and Energy.

21



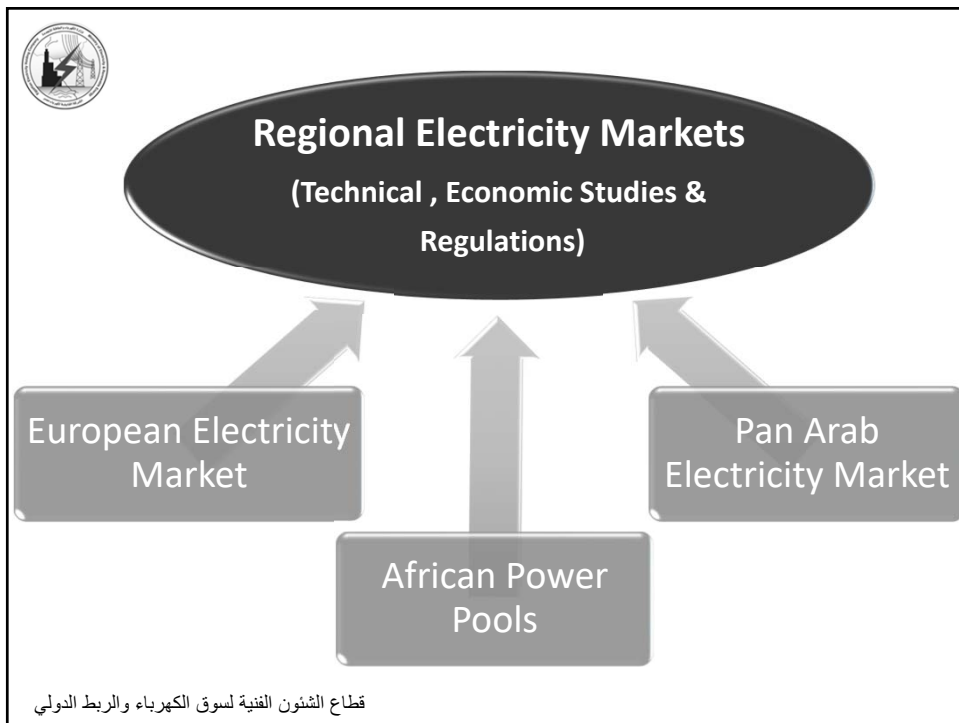
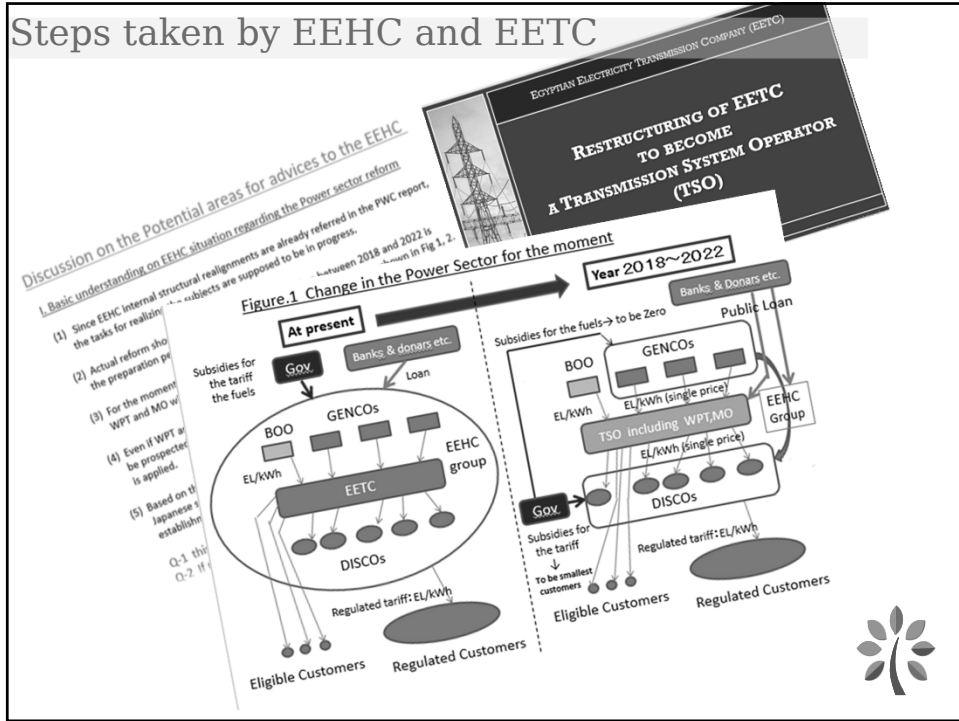
- In 2002, the sector was unbundled
 - Vertically into
 - Generation,
 - Transmission and
 - Distribution,
 - and horizontally
 - Geographical Regions,
 resulting in 16 subsidiaries including:
 - 6 generation companies,
 - 9 distribution companies and
 - 1 transmission company acts as TSO.

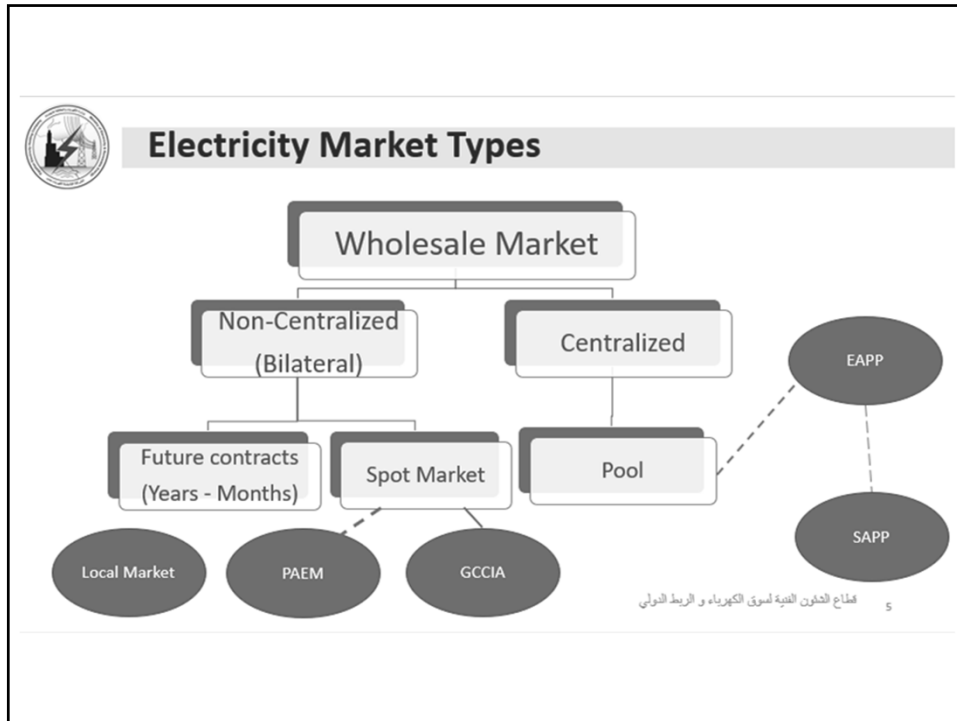


Several legislations issued, renewable energy law No 203 for the year 2014, Investment law, Fit regulations and **Law 87, 2015 for restructuring electricity sector** to reflect a liberalized market reform as well as to strengthen the regulatory framework. The bylaw for the Electricity Law has been issued on march 2016.

The main features of the Electricity Law:

- Establishment of competitive electricity market which is based on bilateral contracts and adoption of the concept of eligible customers.
- Third Party Access (TPA).
- Establishment of Transmission System Operator (TSO) and provide assurances for its independence and full unbundling from other sector participants.
- Tariffs to be ratified by the regulatory agency
- Supporting renewable energies, cogeneration and power generated from secondary resources
- Supporting integrated resources planning including: energy efficiency and demand side management.





***Thank you
for your kind attention***




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