مركز تحديث الصناعة
INDUSTRIAL MODERNISATION CENTRE

Energy

Energy Sector brief

The Egyptian energy sector has grown out of the country's fossil natural resources and is reliant on natural gas and oil for 91% of its energy needs; the remaining 8 % comes from the High Dam and 1 % from wind and solar combined

Key competitive advantages of the sector

- Robust, multi-decade track-record
- 54 GW of new installed capacity (conventional and renewables) needed trough 2022
- Highest wind energy potential in the MENA region (30GW)
- High intensity of direct solar radiation ranging between 2000 - 3200 kWh/m2/year
- Ongoing reforms in the regulatory framework and subsidies creating large opportunities for the private sector

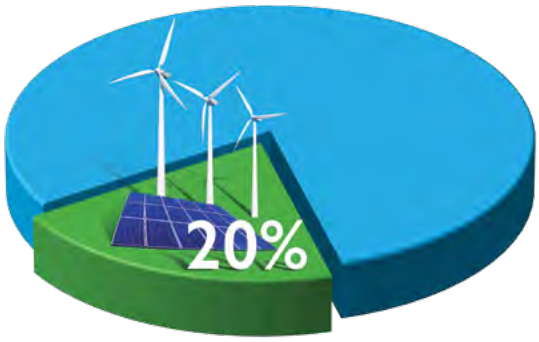
Opportunities

Over 70 Billion USD of public and private investments during 2015 - 2022:

Power generation projects (coal, oil, gas, renewables)	Efficiency upgrades to existing thermal generation	Power transmission/ distribution infrastructure	Demand-side energy efficiency

Egypt's Renewable Energy Strategy aims that the renewable energy share reaches 20 % of the total generated energy by 2022 as:

12% Wind	6% Hydro	2% Solar



We have already secured financing for key projects over the past year

Damanhour
- CCGT 2* 750 MW
- public financing(to be implemented)

Investment: $ 1,164M

West Damietta
- Conversion from open cycle to combined cycle by adding 250 MW

Mahmoudia
- CCGT 450 MW
- public financing (to be implemented)

Investment: $ - M

North Giza
- CCGT 3* 750 MW
- public financing

Investment: $ 1,545M

West Cairo
- steam turbines 650 MW
- public financing (to be implemented)

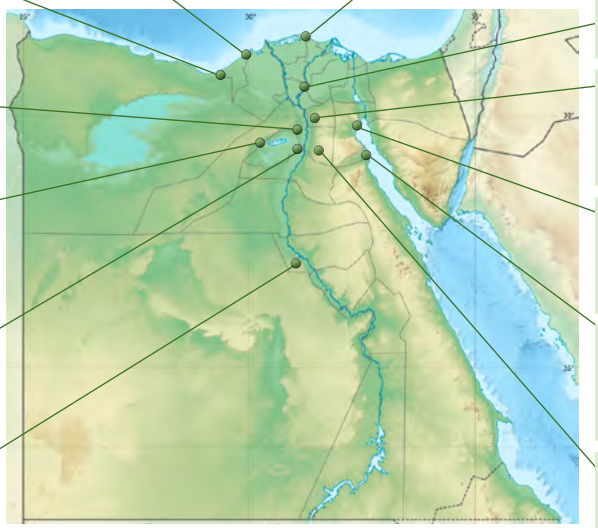
Investment: $ 770M

South Helwan
- steam turbines 3* 650 MW
- public financing (to be implemented)

Investment: $ 1,790M

Assiut
- steam turbines 650 MW
- public financing (to be implemented)

Investment: $ 770M



Benha
- CCGT 750 MW
- public financing

Investment: $ 600M

6th of October
- Gas turbines 4* 150 MW
- public financing

Investment: $ 400M

Suez steam
- turbines 650 MW
- public financing (to be implemented)

Investment: $ 730M

Ain Sokhna Setam
- turbines 2* 650 MW
- public financing

Investment: $ 1,620M

Chebab
- Conversion from open cycle to combined cycle by adding 500 MW
- public financing (to be implemented)

Investment: $ 566M

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