

COMBINED CYCLE GAS TURBINE POWER STATION

DESCRIPTION

Provision of power directly to local industries and for potentially for local desalination, with excess sold to domestic and non-domestic customers.

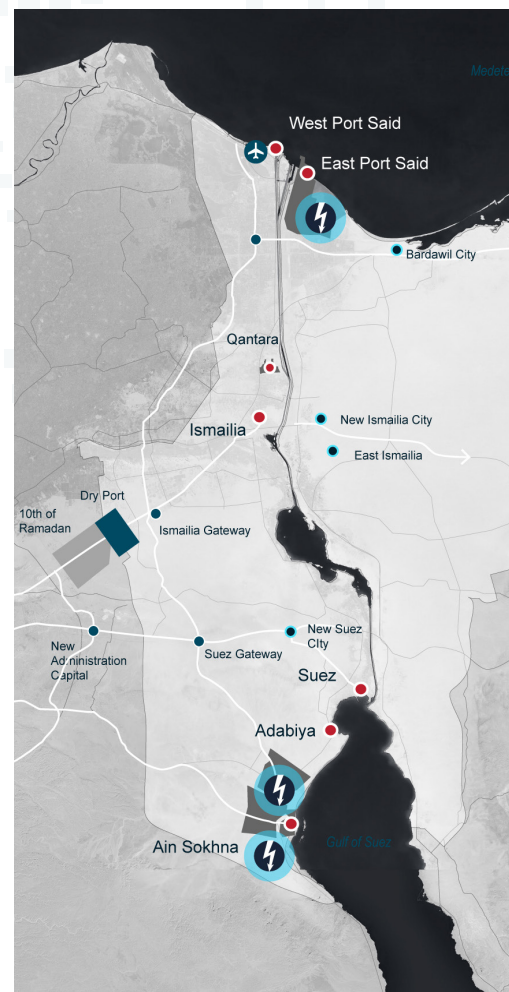
Depending on location, waste heat can be used to desalinate water or generate chilled/hot water for the district network, serving both industrial and residential developments.

Full site-specific feasibility studies need to be carried out to enable this when the industrial requirements are known in more detail.

LOCATIONS AND CAPACITY BY 2030

	2015 - 2020	2020 - 2025	2025 - 2030	TOTAL
East Port Said	125MW	1000MW		1,125MW
Ain Sokhna 1	250MW	250MW	500MW	1,250MW
Ain Sokhna 2		500MW	750MW	1,250MW

If combining with desalination, this could generate 225,000m³/ day in total in Ain Sokhna between 2015 and 2030.





PROJECT STATUS

Preplanning only.

All projects to be subject to feasibility study, site location study and environmental assessment (Category 1) due to pollution to air and ground arising from both construction and the operation of plant and associated connections.

No specific financing model has been defined, but public and private investment desired.



SITE REQUIREMENTS

	2015 - 2020	2020 - 2030
East Port Said	19,000M ²	150,000M ²
Ain Sokhna 1	40,000M ²	150,000M ²
Ain Sokhna 2		190,000M ²

Lands required may be designated within the SCZone and thus benefit from all related incentives and processes.

PROJECT COSTS (US\$):

	2015 - 2020	2020 - 2030	2025 - 2030
East Port Said	US\$125 million	US\$1 billion	
Ain Sokhna 1	US\$ 250 million	US\$ 250 million	US\$500 million
Ain Sokhna 2		US\$ 500 million	US\$ 750 million



UTILITIES AND INFRASTRUCTURE:

Necessary inputs include:

- Pipeline to connect into HP Gas network
- Roads
- Water treatment/supply
- Telecom network

Discharge to the sea in line with EEAA requirements.



SECTOR LINKAGES:

HV Connection to Unified Grid.

Possible connection to:

- industries by private wire
- district heat/chilled water network pending feasibility

Possible combination with desalination plant to supply local industries and residences.

For more information:



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