

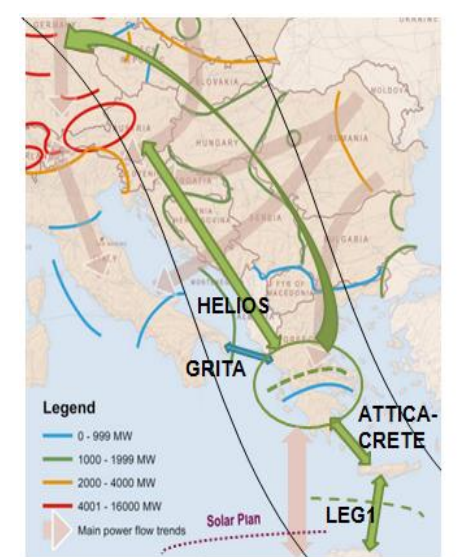


Libya Egypt Greece - LEG 1 THE ELECTRICAL INTERCONNECTION NORTH-SOUTH CENTRAL MEDITERRANEAN

PROGRAM OUTLOOK BY GreenPower 2020

Description

- LEG1 answers LAS, EC and UfM's MSP 2020 strategy
 - *League of Arab States: council of Arab economic unity*
 - *EC's neighborhood policy and e-highways*
 - *Competitive electricity market objective of the MSP*
- Part of the North South Interconnection East corridor
 - *With an initial capacity of 1.5 GW*
 - *Multilateral exchanges (conventional from the North/RES from the South)*
- The shortest link between North and South-East Mediterranean
 - *350 km from Greece to Libya / Egypt, max 2500 m deep*
- Use of HVDC Submarine technologies
 - *Supplied by major industrial manufacturers and installed by specialists*
- A concrete project feasible
 - *In time with power flows operational in 2018*
 - *Within a budget granting competitive LCOE in the Mediterranean region*



Sources:
ENTSO-E TYNDP 2012
ENTSO-E statistical Yearbook 2010
Ministry of Environment, Energy and Climate Change of the Hellenic Republic, Project Helios
November 2011



LEG 1 Interconnection Key success factors

Economical & Societal benefits	Institutional Support	Mature technologies	Economic performance
<ul style="list-style-type: none">• Market integration with N-S electricity exchanges• Access to electricity from North and secure rising demand• Commercial output for RES from the South (solar, wind)• Industrial collaboration, RES development, job creation in the South	<ul style="list-style-type: none">• League of Arab States• European Commission• Union for the Mediterranean and governments• International Financial Institutions• Energy associations and regulators• Economic developers	<ul style="list-style-type: none">• Track of records• Growth in energy highways and HVDC technologies• Major industrial stakeholders ready for regional collaboration• Grid Transfer Capacity operations integrated in management and transaction platforms	<ul style="list-style-type: none">• Cost reliable after engineering studies• Reliable execution partners• Risks measurable and planning control• Business model suitable to energy market partners• Economic impact at medium/long term

Electricity market integration, Sustainability, Security of supply, Secure system operation.

*North South Interconnections
East European Corridor*

LEG1

**EIJLLPST
interconnections project**

ELTAM project

**GCC
3GW interconnection**

19/06/2014

