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
**LEG 1 Interconnection Key success factors**

<table>
<thead>
<tr>
<th>Economical &amp; Societal benefits</th>
<th>Institutional Support</th>
<th>Mature technologies</th>
<th>Economic performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Market integration with N-S electricity exchanges</td>
<td>- League of Arab States</td>
<td>- Track of records</td>
<td>- Cost reliable after engineering studies</td>
</tr>
<tr>
<td>- Access to electricity from North and secure rising demand</td>
<td>- European Commission</td>
<td>- Growth in energy highways and HVDC technologies</td>
<td>- Reliable execution partners</td>
</tr>
<tr>
<td>- Commercial output for RES from the South (solar, wind)</td>
<td>- Union for the Mediterranean and governments</td>
<td>- Major industrial stakeholders ready for regional collaboration</td>
<td>- Risks measurable and planning control</td>
</tr>
<tr>
<td>- Industrial collaboration, RES development, job creation in the South</td>
<td>- International Financial Institutions</td>
<td>- Grid Transfer Capacity operations integrated in management and transaction platforms</td>
<td>- Business model suitable to energy market partners</td>
</tr>
<tr>
<td></td>
<td>- Energy associations and regulators</td>
<td></td>
<td>- Economic impact at medium/long term</td>
</tr>
<tr>
<td></td>
<td>- Economic developers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Electricity market integration, Sustainability, Security of supply, Secure system operation.