



GREENPOWER
BEYOND THE SPARK

IT'S



LEG 1

we are the promoter of the LEG1 line

LEG1 is a multinational interconnection project that aims to establish connections between Libya, Egypt and Greece.

The project aspires to facilitate bidirectional electricity exchange across the Mediterranean Sea, thereby enhancing the security of the energy supply.

Additionally, it seeks to streamline the integration of renewable energy projects in a cost-effective manner and decrease energy costs in the three participating countries.

This initiative aligns with the European Union's external policy objectives, focusing on promoting energy transition, integrating renewable energy sources, and fostering regional and local socio-economic well-being, economic cooperation, peace, and solidarity.



we are powered by Financière Terxia

Financière Terxia is a holding company with several different areas of activity in different countries invested in sustainable development objectives.

The first and historic one is the food industry. The second is real estate construction. The last is the energy sector. Each of these domains is the subject of partnerships with institutions and private companies of international stature.

food industry

The first and most historic is the food industry. Our group finances, advises and implements projects on a national and international scale, from the supplier to the consumer, including operations.

real estate

The second is property construction. With numerous developer partners in Europe, Terxia takes an ethical and responsible approach to each of its projects.

energy

The last area is energy, with a European project valued at more than three billion euros, subsidised and recognised by the European Commission as one of the most promising of the last ten years. Terxia is deploying throughout the Mediterranean basin to offer responsible energy ranges that are committed to the future.

a mediterranean project for greener and cheaper electricity.

LEG1 is a multinational interconnection project linking Greece, Libya and Egypt.

It has the ambition to enable bidirectional electricity exchange between both sides of the Mediterranean Sea, therefore improving the security of supply, facilitate a cost-effective integration of renewable energy projects and reduce the cost of energy in the three countries.

It will help reaching European Union external policy objectives: promoting energy transition and integration of renewable energy, as well as regional and local socio-economic welfare, economic cooperation, peace and solidarity.



LEG1 is a multinational interconnection project linking Greece, Libya and Egypt.



our ambition is to work with international institutions to help bring about change.

The LEG1 project supported by Green Power and Financière Terxia is fully in line with the United Nations' sustainable development goals, which aim to change the world.

Goal 7 is particularly relevant to the LEG1 project, as it advocates green and affordable energy, the two pillars of Green Power.

Concerned about its impact on human beings, fauna and flora, the LEG1 project cannot be carried out without the collaboration of international organizations, the populations concerned and non-profit organizations.

Green Power aims to make its voice heard by these international and participatory authorities.



7 AFFORDABLE AND CLEAN ENERGY



our numbers

8000

megawatts we plan to generate by 2027

304

itinerary identified in kilometers between
Greece and Libya

284

our reference among european authorities





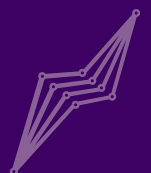
a libya-greece subsea interconnection

- **A 2000 MW high voltage direct current (DC) electricity link connecting the Libyan and Greek electricity grids from Tobruk (North East Libya) to Linoperamata (Crete Island). The project includes the construction of a converter station on both sides of the Mediterranean Sea and the installation of submarine and underground cables between each converter station. It will also include underground AC cables between the converter stations and local existing substations in each country. The LEG1 Interconnector will be 365 km long, allowing power exchange between South East Europe and North Africa.**
- **At the bottom of the Mediterranean Sea will we installed two cables of high voltage direct current submarine cables, approximately 305km long, at a maximum depth of 2,700 m**
- **On Crete Island: two HVDC underground cables will be installed between the landing site in the South of the island and Linoperamata, on a distance of approximately 50km. A converter station converting direct current to a alternative current will be built in Linoperamata. High Voltage Alternative Current underground cables will be installed between the converter and the existing AC substation connected to the local grid..**



- **In Libya: two HVDC underground cables will be installed between the landing site and the converter site in Tobruk, on a distance of approximately 10km. A converter station converting direct current to a alternative current will be built in Tobruk. High Voltage Alternative Current underground cables will be installed between the converter and the existing AC substation connected to the local grid**

The Interconnector will be operated at a rating of +/- 525kV and will be built in a bipolar configuration.



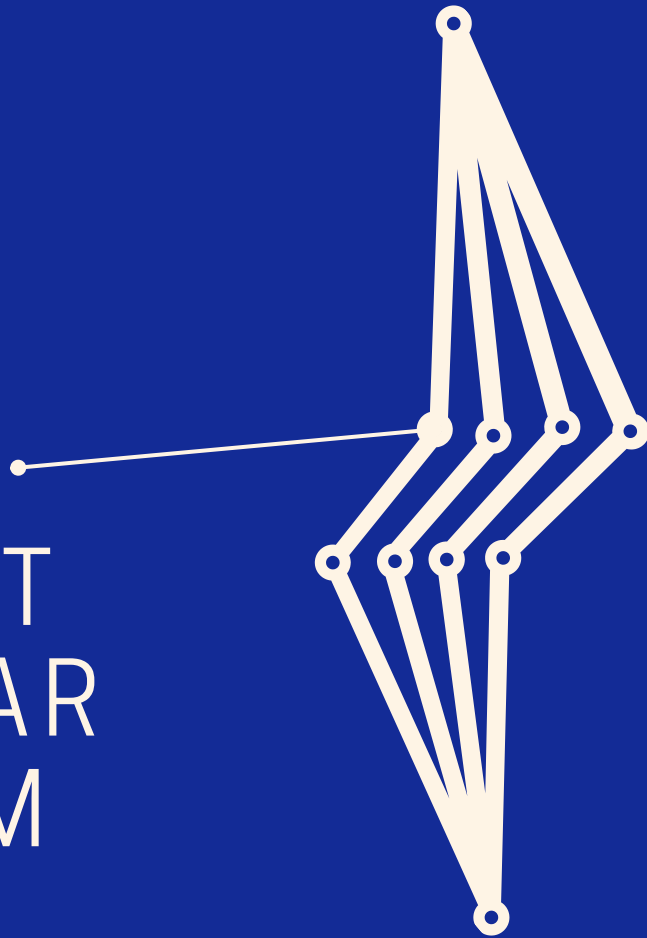


a libya-egypt interconnection

A 1000 MW / 500 kV high voltage alternative current (AC) electricity link connecting the Libyan and Egyptian electricity grids from Tobruk (North East Libya) to Sallum (North West Egypt). The project includes the construction of substations on both sides of Libya/Egypt border and the installation of overhead lines between the substations. The Libya-Egypt Interconnector will be 150 km long.



PILOT
SOLAR
FARM



a pilot solar farm

A 150 MW solar powerplant in the East of Libya, bringing clean energy to the local communities and to Greek consumers.



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