

01 BRIEF DESCRIPTION OF THE PROJECT

In view of the growing demand for solar parks in Ceará (428 solar projects under construction or in the design phase that are expected to generate around 16,620 MW), and the heavy dependence on imported components, it is strategic to set up a national factory for solar panel components. It should also be noted that installed capacity for photovoltaic solar energy in Brazil is expected to grow by 23% per year over the next five years. This initiative aims to respond to the sector's challenges by promoting sustainability increasing energy efficiency and reducing operating costs.

02 JUSTIFICATION AND OPPORTUNITY

High dependence on imported products, which affects the sector's competitiveness. Local production significantly reduces international logistics costs and import tariffs.

To set up a manufacturing unit for solar energy components in order to meet the growing demand in Ceará and enter an expanding market. The initiative seeks to stimulate the local production chain, promote the development of human capital and strengthen the green industry strategy in the state, contributing to the generation of economic value in the region, generating greater democratizing and expanding the use of industrial and residential solar energy.

03 INVESTMENT NEEDED

USD 9 million

04 EXPECTED RETURN

IRR 20% per year

Payback 5 years

Revenue Projection USD 10 million per year
(A factory producing 250,000 solar panels a year)

05 SOCIAL AND ENVIRONMENTAL IMPACT

Access to Energy: Solar energy facilitates the supply of electricity in remote regions or those with difficult access to the grid, promoting energy inclusion.

Reduction of greenhouse gas emissions: Solar energy reduces the emission of carbon dioxide and other gases that aggravate global warming. A reduction of 6,382,080 tons of CO².

Employment and Income Generation and Local Economic Development: The establishment and operation of solar component factories generates new jobs, stimulating economic growth in the region.

Energy Autonomy: Companies and consumers gain greater energy independence, reducing dependence on external sources and strengthening energy resilience.

Promoting Environmental Education: Solar energy serves as a tool to promote environmental education, raising awareness of sustainable practices and the importance of preserving natural resources.

CONTACTS

More information about
this and other projects:

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