

# Sheet N° 50- 1/2 Solar Park

## Description



Solar photovoltaic power plant for renewable electricity production with an average production capacity of **100 MW** per project

**Main customers :** ONEE network, industry

**Branch and sub-branch:** Renewable energies / Energy production

Complexity of the product<sup>1</sup>

-3,33



2,56

-0,761

HS Code<sup>2</sup> : 2716

## Key facts

- Important potential for the national market - Willingness to reach ~3000 MW additional installed solar capacity by 2025 and ~1550 MW additional solar capacity between 2025 and 2030
- Strategic sector for the Region in the framework of the development plan for the Southern Regions

## Prerequisites (2)

## Market indicators

**Target market(s) :**

**Target market(s), (from highest to lowest priority) to be addressed :**



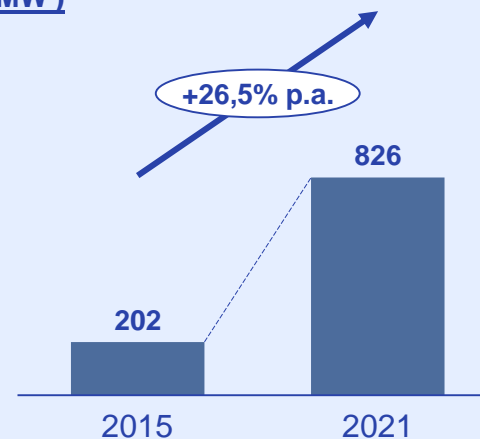
**National:** In order to meet the Kingdom's energy mix objectives for 2025 and 2030



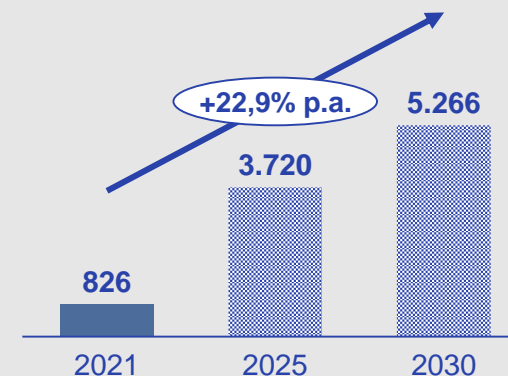
**Export:** Export of green electricity to Europe

**Market size and development (3)**

**National installed solar energy capacity ( MW )**



**National solar energy production projections (MW)**



(1) Product Complexity Index: Diversity and sophistication of the know-how required to produce a product. The PCI is calculated according to the number of countries that produce the product and the economic complexity of these countries. The most complex products, those that only a few countries can produce, have the highest PCI (e.g. electronics, chemicals) vs. the least complex products (e.g. raw materials, agricultural products) - Source: TradeMap, Harvard economic complexity - index based on electrical energy as final product

(2) Sources: IEA, MASEN, MEN, Press articles, Objectives Morocco NDC



# Sheet N°50- 2/2- Solar park

## Financial indicators (indicative) :

<b>Potential investment</b>	580 - 790 Mn MAD
<b>Turnover</b>	350 - 530 Mn MAD
<b>Estimated selling price</b>	40 - 60 cents/kWh
<b>ROI</b>	3 - 5 years
<b>EBITDA (as % of sales)</b>	40 - 50 %
<b>Jobs</b>	10 - 20

## Human resources

### HR skills needed

- Data science, renewable energy, digital steering

### Training offers

- Faculty of Science (Agadir): Data Science
- EST (Laâyoune branch) : Professional degree in renewable energies and water desalination

## Raw materials and suppliers

### Main inputs

- cables, photovoltaic panels, electrical devices, aluminium and galvanised steel rails to support the panels

### Main suppliers

- China, Germany: Photovoltaic panels

## Investment elements

### Potential land

#### Priority provinces

✓ Es Smara    ✓ Boujdour    ✓ Tarfaya

#### Type of land

Private state domain (e.g. Es-smara - Dchraia - hegounia)

#### Area

200 ha

#### Average land price

Unified Regional Investment Commission (CRUI)

#### Mode of mobilisation

Unified Regional Investment Commission (CRUI)

### Main investment benefits

#### Grant

Investment Charter

#### Support for training

Solar cluster, "TATWIR green growth", MorSEEF

#### Other

TAMWILCOM "Green INVEST" programme

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