Ministry of Industry,
Mines and Energy

RENEWABLE ENERGIES:
Sustainable Investment

National Energy Context

Energy Opportunity : Towards Greater Independence

Since the **2000s**, Tunisia has been facing a growing energy deficit. In **2024**, the energy dependency rate stood at **59%**. Natural gas currently accounts for **94.5%** of electricity production. In **2023**, the production cost of a kWh of electricity was **472 millimes (0.145€)**, compared with a selling price set at **288 millimes (0.09€)**. This pricing gap makes energy subsidies a significant burden on the state budget.

Accelerating the Energy Transition : Reforms and Ambitions

To address these challenges, Tunisia has set ambitious targets :

Reducing carbon intensity by 45% by 2030 and increasing renewable energy's (RE) share to 35% of electricity production.
From **2013** to **2015**, major reforms have strengthened the regulatory framework, with the creation of the Energy Transition Fund and **Law 2015-12**, which opened electricity generation to the private sector through concession, authorization and self-consumption schemes.

Today, Tunisia is continuing to strengthen this framework through various actions. Recent advances include :

- The implementation of a fixed feed-in tariff for the authorization regime, accompanied by a revision of the electricity purchase agreement (PPA).
- The introduction of a renewable energy code by **2025** to harmonise the specific framework for the energy transition and establish the framework for investment in green hydrogen.
- The creation of a regulatory body dedicated to the electricity sector, to guarantee the security of investments.

Accelerating the Energy Transition : Stability and Security of the Electricity Network

To ensure a resilient electricity network, Tunisia is investing in modern, secure infrastructure.
The **ELMED** interconnection project, which will link Tunisia to Italy by **2028**, will play a key role in stabilizing energy supply, while supporting the energy transition in Tunisia and Europe. In addition, a network code has been drawn up to ensure the efficient integration of renewable energy installations into the national grid.

Investment Regimes

Promoting small-scale renewable energy : Low-voltage self-consumption

Prosol Elec social Program

This program targets households with low electricity consumption **(<1,200 kWh/year)**. **4,000** homes in Tozeur region are supposed to be equipped with solar panels.

Prosol Elec Program

In **2010**, Tunisia launched the Prosol Elec program to promote the installation of solar panels on roofs connected to the low-voltage grid through subsidies and loans.

This program has enabled the installation of **315** MW of solar panels by December **2024**.

Prosol Elec Economic

The target group for this program are households with an annual consumption between **1,200** and **1,800 kWh/year**.

66,000 households are scheduled to take part in this initiative.A subsidy of 1,500 dinars will be granted for each PV installation. In addition, a subsidized loan of up to **3,000 dinars**, repayable over **10 years**, will be granted to eligible households via their electricity bill.

Promoting Renewable Energy for Business and Industry : Self-consumption Medium Voltage (MV)

MV self-consumption: Since **2015**, Tunisia has had a framework for this commercial and industrial use scheme. **125 MW** have been authorized under this regime.

Towards Large-Scale Energy Projects : Authorization Regime

Solar and wind power projects subject to authorization :

Tunisia has granted authorizations for projects with a capacity of **381 MW**, including **261 MW** of solar PV and **120 MW** of wind power.

Project type	Solar PV	Wind
Number of agreements	54	4
Total power (MW)	261	120

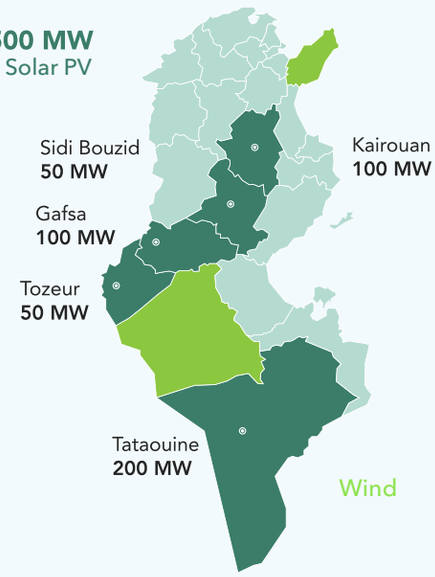
Since the introduction of the authorization system, **12** solar PV plants have been commissioned, with a total installed capacity of **30 MW** :

- **2** plants with a unit capacity of **10 MW**, in the governorates of Tataouine and Sidi Bouzid.
- **10** plants with a unit capacity of **1 MW**, in the governorates of Gabés, Médenine, Sousse, Kébili, Sidi Bouzid and Sfax.

Large-Scale Energy Projects : Concession Regime

Solar and wind projects under the concession regime

A total of **500 MW** of solar projects have been approved in **2021** under the concessions scheme. The tariffs, ranging from **2.48 c€/kWh** to **3.22 c€/kWh**, concern three projects currently in the construction phase in Kairouan, Sidi Bouzid and Tozeur.



The 2022-2025 opportunities for developing Tunisia's renewable energy potential

1,7 GW : PV and wind under the concession regime

As part of the RE **2022-2025** program , calls for tenders have been issued for a total capacity of **1.7 GW** :

Solar PV tenders launched

8 calls for tenders with an individual capacity capped at **100 MW** have been launched for solar PV on developer sites :

Tendering process :

The tendering process is structured into four rounds. Two rounds have already been launched, and the remaining ones are scheduled to follow

The submission deadline for the second round has been extended to June 30, 2025

Launch of a call for tenders on state-owned sites

A call for tenders has been launched for sites owned by the state.

Results of the 1st Round of the PV Solar Tender
500 MW have been awarded, and agreements have been signed for the development of new photovoltaic solar power projects

- **Developer Sites :** Three projects, each with a maximum capacity of 100 MWac, have been awarded in:
  - **Gafsa (El Ksar)**
  - **Sidi Bouzid (Mezzouna)**
  - **Gabès (Menzel Habib)**
- **State Site :** A 198 MWac project has been awarded in Sidi Bouzid (El Khobna).

Most competitive tariff : 98.8 millimes of Tunisian dinar/ kWh (~2.9 euro cents/kWh).

Launch of calls for tenders for wind energy

Tunisia is making a major commitment to wind power.

8 wind farm projects will be developed on developer sites, with individual capacity capped at **75 MW** per project.

Tendering process :

The tendering process consists of four rounds. The first round has already been launched, and the others are planned to follow progressively.

200 MW of solar energy under the system authorization

Publication of the fifth call for projects with a unit capacity of **0** to **1 MW**, **1** to **2 MW** and **2** to **10 MW** PV, for a total capacity of **200 MW**.

The deadline for submitting applications has been extended to June 30, 2025.

Energy Transition Ecosystem : Companies, Design Offices and Training Centers

32 accredited training centers

47 accredited engineering offices and consulting engineers

384 accredited installation companies

Carbon culture in Tunisia : a lever for the energy transition

Tunisia is developing a carbon culture by integrating carbon market mechanisms into its climate strategy.

These instruments encourage investment in green technologies, support the objectives of the Nationally Determined Contribution (NDC) and promote an accelerated energy transition.

As part of this effort, Tunisia is developing a structured and specific set of regulations for carbon accounting. This framework aims to standardize GHG emissions calculations, define the requirements for the carbon expert profession, harmonize carbon accounting missions, and institutionalize the role of the Energy Transition Fund. Additionally, Tunisia is supporting industrial players in calculating their carbon footprint according to international standards, while also providing on-site training for expert auditors.

Main initiatives:

- Creation of a portfolio of projects eligible for the carbon market (Article 6).
- Assessment of the implications for the NDC and the national low-carbon strategy (SNBC).
- Development of a governance framework and Measurement, Reporting and Verification (MRV) system for the cement sector (70% of emissions from industrial processes).
- Preparation of a pilot project submitted to the Klik Foundation for certified emission reductions.
- Study of the potential of the voluntary carbon market for Tunisia.

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