

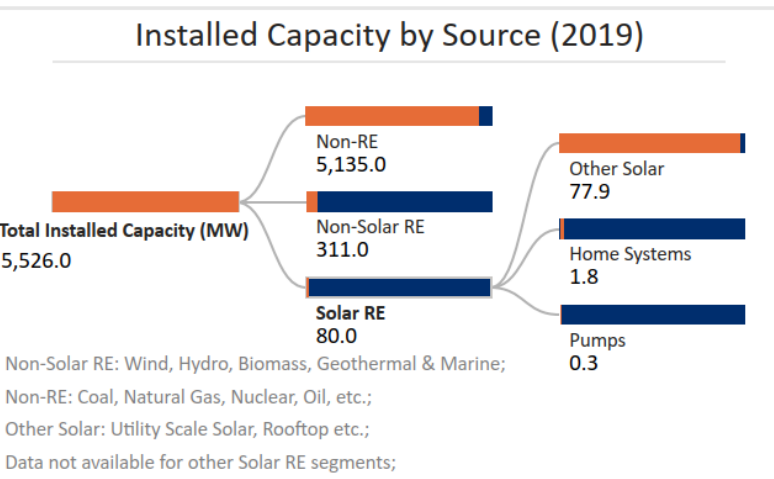
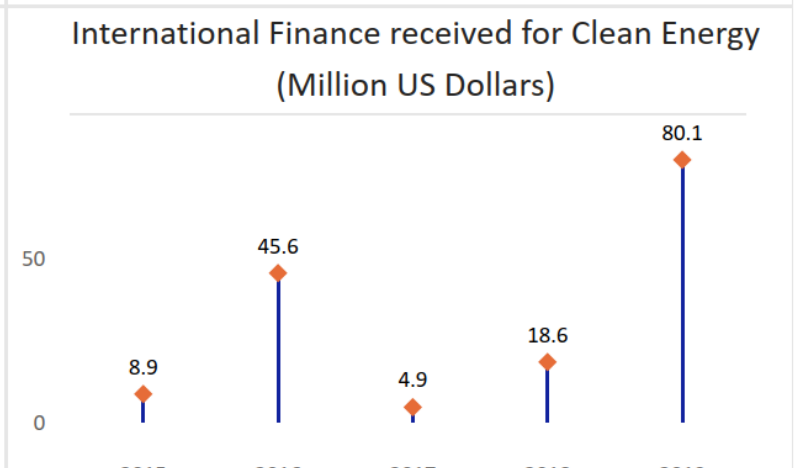
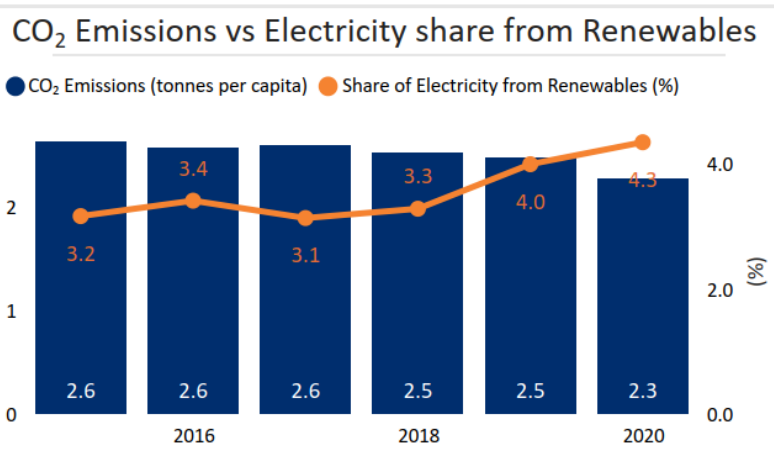
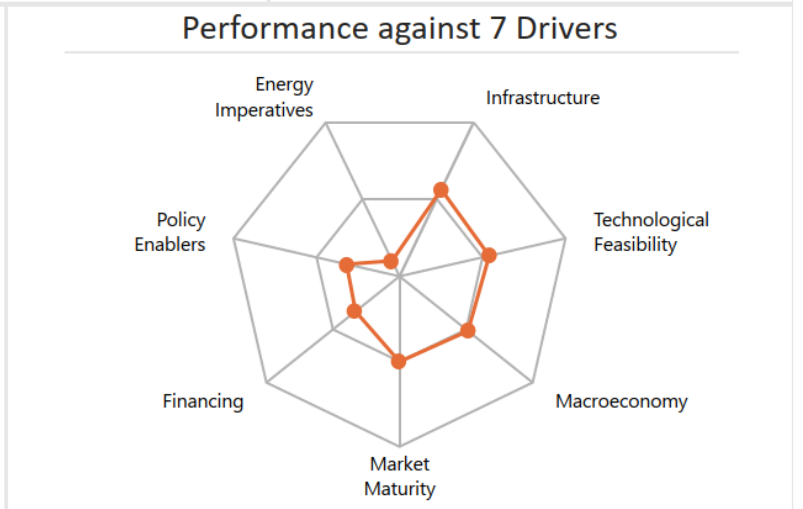
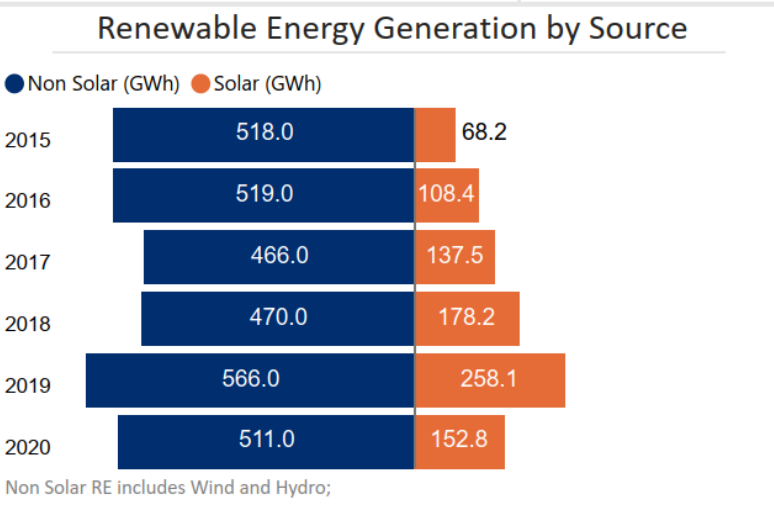
Tunisia

Africa

Ease of doing Solar classification

Influencer

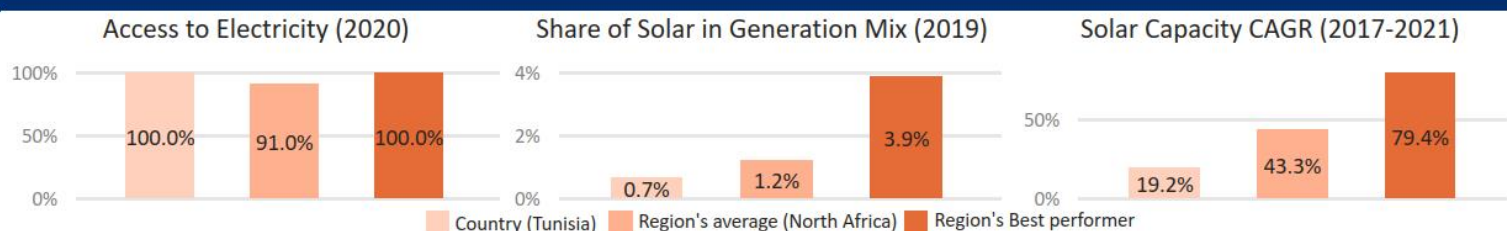
| | | |
|---|---|---|
| <p>Electricity Consumption in kWh/capita (2020)</p> <h1>1653.3</h1> | <p>Average PVout in kWh/kWp/day (2020)</p> <h1>4.7</h1> | <p>Cumulative Solar Capacity in MW (2021)</p> <h1>94.9</h1> |
| <p>Getting Electricity Score (2020)</p> <h1>82.3</h1> | <p>NDC Target by 2030 in % (base year 2010)</p> <h1>45.0</h1> | <p>Human Development Index (2021)</p> <h1>0.7</h1> |



Support for Renewables (2020)

| | |
|---|---|
| <p>Feed-in-Tariffs for renewable energy supply to the grid?</p> <h2>No</h2> | <p>Net metering/Gross metering policies and regulations?</p> <h2>Yes</h2> |
| <p>Renewable Energy Certificates?</p> <h2>No</h2> | <p>Renewable Purchase Obligation?</p> <h2>No</h2> |

Country's regional performance and characteristics



Areas of Strength

Infrastructure
Technological Feasibility

Areas of Improvement

Energy Imperatives
Policy Enablers

Key Insights

Drivers

Insights



Macro-economy

- Tunisia is a lower middle-income country¹ with a GDP per capita (PPP) of USD 11,283 in 2021.²
- GDP (Real) grew at an annual rate of 3.1% in 2021 and it is estimated to grow by 2.2% in 2022.³
- The inflation rate in the country marginally increased to 5.7% in 2021 from 5.6% levels in 2020.⁴
- The total public debt in the country stood at 91% of the GDP in 2021.⁵



Policy enablers

- The National Agency for Energy Management (ANME) is responsible for implementing policies and promoting RE sources and energy efficiency in the country.⁶
- The 'Tunisian Solar Plan' aims to reduce carbon intensity by 41% relative to 2010 levels and to attain a 30% share of RE in the energy mix by 2030.⁵
- The incentive mechanism 'Prosol' is a net-metering scheme in which the household receives a loan for the purchase of the PV plant and has the provision to repay the loan through periodic electricity bills. This scheme also offers a subsidy equal to 30% of the investment to the participating households.⁷



Technological Feasibility

- Tunisia receives high levels of solar irradiation of 5.4 kWh/m²/day and a specific yield of 4.7 kWh/kWp/day indicating a strong technical feasibility for solar in the country.⁸
- The UN Environment program is currently active in Tunisia and is working towards the introduction of electric light duty vehicles.⁹
- The Government of Tunisia is working on establishing a new legal framework to promote the production and use of green hydrogen.¹⁰



Market Maturity

- 100% population in Tunisia is having access to electricity since 2020.¹¹
- Tunisian Company of Electricity and Gas (STEG) is responsible for the production and distribution of electricity across the country.¹²
- The Directorate-General of Energy is responsible for regulating the electricity sector in the country.¹³
- Tunisia is a member of Comite Maghrebin de L'electricite (COMELEC), the power pool of the Magreb region.¹⁴



Infrastructure

- STEG manages about 6,906 km of transmission lines of which 208 km is at 400 kV level, 2,910 km is at the 225 kV level, 2,382 km is at the 150 kV level, and 1,406 km is at the 90 kV level.¹⁵
- Tunisia's electricity distribution network length stands at 175,389 km including 59,691 km of MV lines and 115,698 km of LV lines.¹⁵
- Tunisia has a well-developed transmission network and it is already interconnected with Algeria and Libya, although these interconnectors are only used during specific situations and not for regular energy trade.⁷



Financing

- In 2022, the AfDB approved the Leveraging Energy Access Finance Framework (LEAF) under which the Bank will commit up to USD 164 Mn to promote decentralized RE in Tunisia.¹⁶
- Climate Investment Fund (CIF) aims at providing energy security and climate change mitigation through the USD 490 Mn Middle East and North Africa (MENA) region's concentrated solar power (CSP) initiative.¹⁷
- The AfDB approved a non-sovereign guarantee corporate loan of USD 75 Mn for an energy project in Southern Tunisia.¹⁸



Energy Imperatives

- In 2020, Tunisia's per capita electricity consumption stood at 1.65 MWh, which is significantly lower in comparison to the global average of 3.31 MWh.²¹
- The total installed capacity in the country stood at 5,526 MW in 2019.¹⁹
- The total installed capacity of solar PV witnessed a CAGR of 19.2% reaching 94.89 MW in 2021 from 47.076 MW levels in 2017.²⁰
- The price of electricity in the country stood at 9.70 US Cents/kWh as of 2019.²²