



AFD AND solar energy

Zagtoluï solar photovoltaic power plant (Burkina Faso) © Erven Rogard/AFD



+40
solar power plants
financed

1 GW
of total installed
capacity

EUR 1 bn
of commitments
between 2016 and 2020

Renewable energies – especially solar energy – are a key driver for the energy transition and the fight against climate change. They are also powerful drivers for economic development and access to energy for all. **Our objective: support the large-scale penetration of solar energy in the energy mix at a competitive price.**

#WorldInCommon

Developing connected or decentralized solar energy, with financing solutions adapted to your needs

1 Our areas of operation

1. Support policies and investments for universal access to electricity with solar technology:

- Support for the definition of electrification strategies including solar energy
- Support to off-grid electricity via individual solutions (solar kits) or collective solutions (mini-grids) based on solar energy

2. Large-scale development of on-grid solar power generation:

- Support for public policies required for the development of the solar industry
- Support for the development of projects and financing of investments
- Technical cooperation to support capacity building
- Support for the green financing market, by assisting commercial banks via SUNREF

3. Renewal, upgrading and extension of power grids to promote the integration of solar energy:

- Technical cooperation for capacity building
- Support for investment strategies
- Financing of investment programs for grid upgrading

2 Our operational tools

• Sovereign and non-sovereign loans to finance investments for solar power generation and power grid upgrading

- Technical assistance for investment planning and skills development for your teams
- Long-term loans in partnership with commercial banks (SUNREF program)
- Public payment guarantees to support private investment
- Private sector financing via our subsidiary PROPARCO

Burkina Faso - Zagtoui, the first solar PV plant in Africa

In Burkina Faso, AFD has contributed to financing Zagtoui solar power plant (30 MW), the first solar photovoltaic farm project in Sub-Saharan Africa. The power plant is a public asset for the energy transition in Burkina Faso and the reduction in the cost of electricity. By producing 4% of the country's annual consumption – the equivalent of the consumption of 660,000 people – the power plant is making a significant contribution to the overall electricity supply at a highly competitive production cost, estimated at between FCFA 30 and FCFA 40 per kWh.

Financing: EUR 22.5m sovereign loan

Duration: 1 ½ years

Morocco - Noor Ourzazate, the biggest CSP complex in Africa

In Morocco, AFD is supporting the Moroccan Solar Plan (NOOR), which aims to develop a renewable energy source and reduce the country's very strong energy dependence. The NOOR Plan (2 GW) will reduce CO2 emissions by some 3.7 million tons. The construction of the NOORo I solar thermal power plant (STP) started in 2013. It was commissioned in February 2016. NOORo II (200 MW) and NOORo III (150 MW) have allowed a technological diversification in thermodynamic solar power.

Financing: EUR 150m sovereign loan and EUR 300,000 grant

Duration: 6 years (ongoing)

Mali - Solar hybridization of mini-gris in rural areas

With AFD's support, the Malian Agency for the Development of Household Energy and Rural Electrification (AMADER) has installed 3.6 MW of photovoltaic capacity to hybridize the thermal generation of 60 municipalities and increase the density of local distribution grids. In these municipalities, over 106,000 people will benefit from an improvement in the quality of the electricity service. These investments promote the development of small shops and craft activities in rural areas.

Financing: EUR 20m sovereign loan and EUR 18m EU-ITF grant

Duration: 3 years (ongoing)