

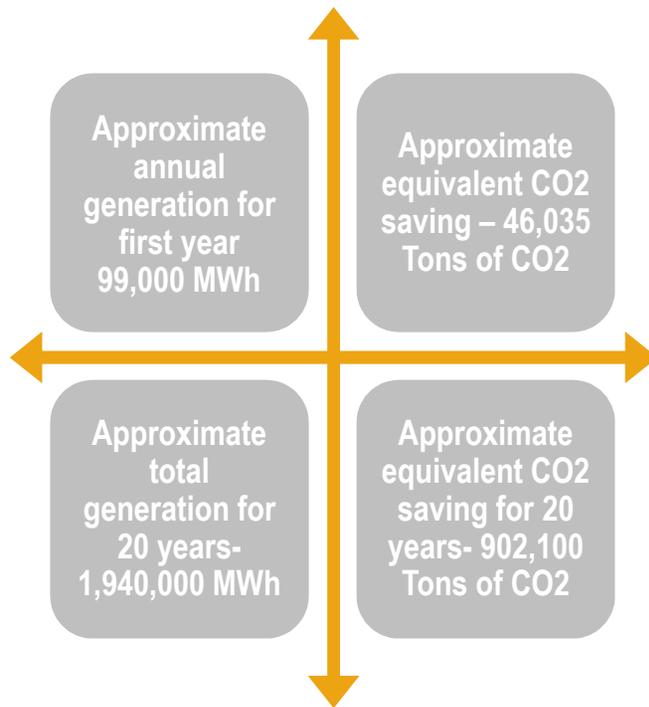
Engineering & Consulting

GTAI Webinar March 2023: Project Examples of Projects with Climate Impact

Egypt (April 2021- January 2026)

Project Implementation Consultant for 50 MWp Zafarana PV Power Plant

The project concerns the construction and operation of a solar photovoltaic (PV) power plant with an installed capacity of 50 MWp at the wind and solar power plant site in Zafarana at the Red Sea.



Consultancy Contract Value ca. **1,5 Mio Euro**



Activities Performed:

- Review of concept design, solar and meteorological data, environmental and grid impact studies
- Procurement assistance, incl. bid evaluation, Contract negotiation support
- Detailed design approval, including FATs, supervision of construction, commissioning and acceptance tests
- Supervision of O&M and EHS management
- Bi-annual evaluation of power plant performance
- Power Quality measurements before and after installation
- Training measures for NREA staff

Project Implementation Consultant for 50 MWp Zafarana PV Power Plant

EPC: JV with Belectric Gulf
Ltd (BGL) leading

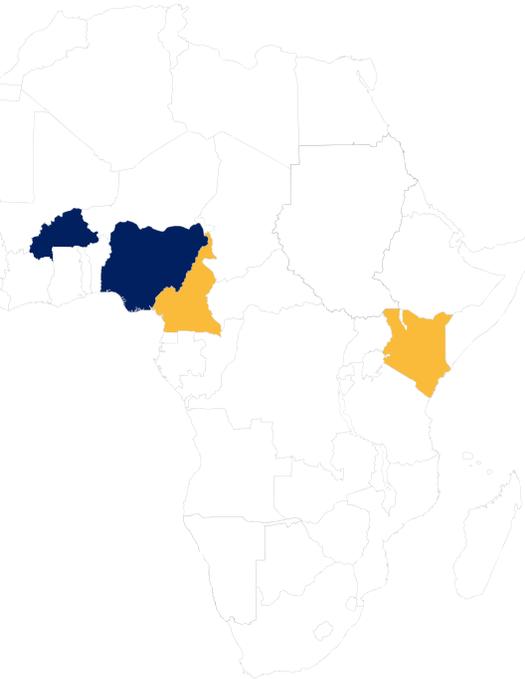
Modules: JA Solar,
JAM72S30-540/MR (SI-
mono)

Inverters: Power
Electronics,
FS3510K_660V_201901
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Regional (January 2020-September 2022)

Global Energy Transformation Programme (GET.pro) - Support to the Covenant of Mayors in Sub-Saharan Africa Phase III

The Covenant of Mayors Sub-Saharan Africa Phase III (CoM SSA Phase III) supports local administrations to increase access to sustainable energy for urban populations and to implement local action to combat climate change and its impacts through three pillars.



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Activities Performed:

- Assist identifying and screening promising projects
- Consult project developers (develop road map and follow-on strategies)
- Gap analysis, needs assessments and ToR development for project implementation
- Deliver training programmes to local administrations
- Conduct pre-feasibility studies (several sub-projects in the countries of the project)

Global Energy Transformation Programme - Support the Covenant of Mayors Sub-Saharan Africa Phase III

Sub Project:
Pre-Feasibility Study for the National Office of Water and Sanitation (ONEA) Solar Pumping Project

Analyse 10 water pumping stations representing > 35% of ONEA's annual electricity consumption

Propose solar PV solutions in view of reducing the utilities' electricity bill and diesel consumption and reduce CO2 emissions

Estimated savings potential:
7,232 tonnes of CO2/year



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