



USTDA

U.S. TRADE AND DEVELOPMENT AGENCY

Solar Energy

Linking U.S. Businesses to
Global Infrastructure Opportunities

www.ustda.gov

The U.S. Trade and Development Agency helps companies create U.S. jobs through the export of U.S. goods and services for priority development projects in emerging economies. USTDA links U.S. businesses to export opportunities by funding project planning activities, pilot projects, and reverse trade missions while creating sustainable infrastructure and economic growth in partner countries.

USTDA Programs

USTDA promotes economic growth in emerging economies by facilitating the participation of U.S. businesses in the planning and execution of priority development projects in host countries. The Agency's objectives are to help build the infrastructure for trade, match U.S. technological expertise with overseas development needs, and help create lasting business partnerships between the United States and emerging economies.

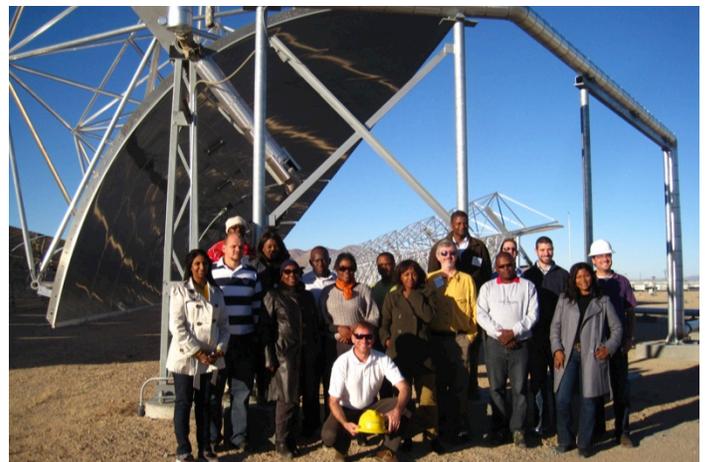
USTDA advances these objectives through its two key programs, the International Business Partnership Program and the Project Development Program.

In support of the National Export Initiative, USTDA launched the International Business Partnership Program (IBPP) to connect foreign project sponsors with U.S. manufacturers and service providers in order to open new export markets and identify commercial opportunities for U.S. companies. USTDA's reverse trade missions – the mainstay of the IBPP – bring foreign decision-makers to the United States to observe the design, manufacture and operation of U.S. products and services that can help them achieve their development goals. These visits also include meetings with financial institutions to introduce financing options, as well as technical and regulatory bodies that can assist with strengthening the project sponsor's technical capacity.

Through feasibility studies, technical assistance and pilot projects, USTDA's Project Development Program helps overseas project sponsors identify technological solutions and various sources of financing for priority infrastructure projects.

Global Solar Energy Activities

Clean energy is a strategic priority for USTDA. The Agency works with qualified project sponsors to identify and support a wide range of clean energy activities that generate measurable development and commercial results. With solar energy now being generated at scale, opportunities in emerging markets have increased rapidly. By funding solar project planning activities and connecting U.S. technology and services to priority development projects in the solar sector, USTDA is helping to sustain impressive growth in the sector.



Representatives of Southern Africa's solar power sector participate in a USTDA funded study tour in Daggett, California in January 2013



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Colombia 20 MW Hybrid Solar and Wind Plant

USTDA is providing a grant to Celsia for a feasibility study to determine the technical, economic and financial viability of a 20 MW grid-connected, hybrid solar and wind park in the department of Atlántico. Celsia is a publicly listed utility and Colombia's fourth largest power producer. Solar and wind generation will allow Colombia to diversify its energy portfolio, currently highly reliant on hydropower and subject to long arid season caused by swings in international weather patterns.

Southern Africa Solar Power Initiative

Southern Africa has some of the highest potential for solar power generation. Through a series of study tours, a technical workshop, and project planning activities, USTDA is fostering partnerships between the United States and Southern Africa in the sector. The first study tour of the initiative took place in January 2013, and included delegates representing public sector and financing organizations from Southern Africa. The delegates participated in meetings with U.S. government and private sector representatives, and visited technology labs and solar power plants across the country.

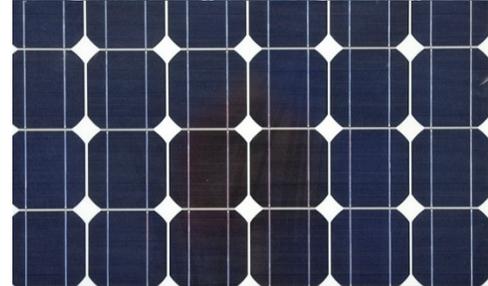
A U.S.-Southern Africa Solar Workshop is taking place in Johannesburg from May 21-22, 2013, and highlighting regional solar projects and initiatives; U.S. solar technologies; and policies, standards, and financing mechanisms that can support innovation and sustainability in the solar power sector. A second study tour will follow in September 2013, focusing on the development of business-to-business partnerships by including private sector representatives from Southern Africa's solar power sector. By investing in Southern Africa's solar power sector, USTDA is increasing energy security and economic growth capacity in the region.

Jordan Photovoltaic Solar Power Plant

Jordan has virtually no indigenous energy resources, and energy imports account for nearly 10% of its GDP. With energy demand expected to rise by 50% over the next 20 years, increased access to reasonably priced indigenous energy sources is crucial. This USTDA-funded feasibility study will include a detailed assessment for the implementation of a 100 MW photovoltaic power plant that is expected to go into production by the end of 2012, with a planned expansion to 200 MW by 2015.

India Rural Micro-Grid Power

India's rapid economic expansion and population growth are placing a growing strain upon the country's energy infrastructure. Approximately 400 million people in villages do not have grid connectivity. In light of this significant shortfall, India's federal and state level governments are looking to increase the country's off-grid electricity generation via solar power. To further this goal, USTDA is supporting Azure Power in its efforts to develop a Rural Micro-Grid Solar Power project that will be deployed in remote non-electrified villages in India. USTDA is partially funding a feasibility study that will assess and provide planning assistance for two 500 kilowatt photovoltaic pilot projects in the states of Chhattisgarh and Gujarat.



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