



Senegal

## Strengthening the quality infrastructure for innovative energy services II

<b>Objective</b>	Improved quality infrastructure services designed to ensure the quality and reliability of photovoltaic (PV) systems are increasingly being used.	
<b>Approach</b>	<p>The project aims at strengthening consumer confidence in PV technology and at increasing the demand in this sector by developing the target group's capabilities. The project has set up a network that unites all the important actors including potential customers.</p> <p>Test laboratories have enhanced and improved their technical as well as management capabilities. Installation companies have been provided with adequate training measures, have their products systematically checked and offer a wider range of services. All these measures have helped to increase the efficiency and improve the long-term security of the installed systems, thus meeting customers' demands. In addition to directly supporting laboratories and networking of actors, the project encourages cooperation between interested parties. The main actors are the Ministère de l'Énergie, du Pétrole et des Mines (MEPM), which is responsible for the project, the Agence Nationale pour les Énergies Renouvelables (ANER), which provides the project implementation structure, test laboratories, the Association Sénégalaise de Normalisation (ASN), solar industry federations, energy suppliers, consumer protection associations, etc.</p> <p>Different instruments are used to implement the project, for example: contracting external experts, implementing training measures in Senegal and abroad, study trips, communication and various awareness-raising measures, dialogue, regular meetings, monitoring and evaluation tools as well as shared knowledge management in cooperation with the different parties concerned and target groups.</p>	
<b>Impact</b>	<p>By setting up a quality infrastructure system in the photovoltaic sector, the project contributes to supplying the market with high-quality PV components and to achieving the objectives of improving the quantity and quality of energy supplied, thus increasing the share of renewable energies in the energy mix. The project helps to raise the broader public's awareness of quality in relation to tested PV components and installations as well as for solar energy from different vantage points: social (hospitals, schools, households, security, etc.), economic (transformation of agricultural products, etc.) and environmental (reduced uprooting of trees for heating purposes, especially in rural areas). On a global level and with regard to the Paris Agreement, the project has an induced effect on the reduction of greenhouse gas emissions in the energy production process, enabling economic development in line with reducing emissions. On a broader economic level, the project indirectly helps to improve public finances by reducing expenditure on energy imports. Energy-related expenditure for households and enterprises can be reduced by using tested and approved PV installations. Generally speaking, this has a positive indirect effect on job creation and on increasing the country's energy coverage. And at the environmental level, the project will have a direct impact on reducing the consumption of fossil fuels and on reducing the excessive demand for firewood.</p>	
<b>Cooperation</b>	The political supervisory body for the project is the Ministère de l'Énergie, du Pétrole et des Mines (MEPM). As part of the German development cooperation programme <i>Renewable energy, energy efficiency and access to energy in Senegal</i> , PTB is closely cooperating with GIZ (Sustainable Energy Programme – PED) and the KfW development bank.	
<b>Financing</b>	German Federal Ministry for Economic Cooperation and Development (BMZ)	
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