

PV Training for College Teachers held from 27th to 29th September in Grenada

As preparatory measure for the new photovoltaic courses to be established at the technical colleges in Grenada, St. Lucia and St. Vincent and the Grenadines, CREDP-GTZ in co-operation with the T.A. Marryshow Community College in Grenada hosted a training from 27th to 29th September 2010. The training for the teachers of the electrical departments of the colleges served to answer questions about the technology and to familiarize the teachers with the teaching materials that were tailor made for the respective islands.

The training was split in a two days theoretical session part and a one day practical exercise. During the theoretical sessions the facilitator, Thierry Kamnang, electrical engineer from Germany, explained step-by-step the design, layout and functionality of on-grid and off-grid photovoltaic (PV) systems. The course concluded with the design of a 5 kWp on-grid PV system by means of a design software and manually.

On the third day the in total 8 participants installed the PV panels of a 1.2 kWp PV system. The installation took place on a model of a roof that was prepared for the purpose of demonstrating the steps of the installation. The facilitator, Kevin Burkhardt, Chief Operations Manager of Grensol Grenada, explained the various steps of the on-roof installation, and the participants enjoyed working with the materials. The existing 1.5 kWp PV system of the TAMCC was used to explain the electrical wiring and the functionality of the inverter. In the afternoon the group went on an outing to some selected PV installations of Grensol and to Grensol's test field on which different PV panel technologies are tested and compared.

The participants confirmed the relevance and applicability of the course, and everyone is enthusiastic about the establishment of the new courses as of begin of the next semester. In the download area the presentations can be obtained and some photos be seen.

Sven Homscheid, 4th October 2010