

Project Overview:



Photovoltaics for the hospital in Rezu

Situation of the rural population

The Chin state is home to almost half a million inhabitants, but has poor electricity and energy supplies. Existing hydroelectric power plants are partly shut down due to insufficient rainwater. This also affects Rezu City, where the hospital is located in Chin State. The city's only diesel generator supplies 12,000 inhabitants and the hospital, which is only supplied with electricity for about two hours a day. So far it has only been possible to provide limited care for the patients. Although the diesel generator was not in daily operation, it caused annual emissions of 10 tons of CO₂. The micro project combines renewable energies and energy efficiency. In addition to the installation of a photovoltaic system on the roof of the hospital, light bulbs and fluorescent tubes were replaced by LEDs throughout the building to minimize electricity consumption.

Benefits of the project

The newly installed photovoltaic system covers more than the hospital's energy requirements. During the day, the system provides enough electricity for direct consumption; at night, the energy stored in 24 batteries, that are charged during the day, can be used. The energy supply provided by the project is also sufficient for other devices for which hospital staff already announced demand.

The inhabitants of Rezu City, who were previously unaware of the diverse use of renewable energies, also benefit from the seamless power supply of the hospital..

Name:	Photovoltaic-System
Category:	Renewable Energy
Location:	Rezu-City, Chin-State in Myanmar
Partner:	Church association Schöpfung bewahren konkret e.V.
Standard:	Micro project without certification
Savings:	Ø 10 t CO ₂ / year
Duration:	Since 2017
Status:	Support from the micro projects fund of Klima-Kollekte

Contribution of the project to the 17 Sustainable Development Goals of the UN:



Link to our partner organization:

www.schoepfung-bewahren-konkret.de