



UNOPS Climate Communications Centre in Indonesia powered entirely by solar – a model of sustainability

Introduction

The Climate Communications Centre in Central Kalimantan, Indonesia was a project started by the United Nations Office for Project Services (UNOPS) with funding received from the Government of Norway. The Climate Communications Centre is a model of sustainability, fully operated by solar power.

Project Overview

Buntoi is a remote village located in Central Kalimantan province on the island of Borneo, Indonesia. It is one of the poorest areas in the country with almost 40% of inhabitants living in poverty. Central Kalimantan's organic wetlands have been threatened by heavy logging and unsustainable agricultural practices have significantly contributed to Indonesia's greenhouse gas emissions, releasing large amounts of carbon monoxide into the environment.

In 2012, a project was launched by the United Nations Educational, Scientific and Cultural Organization, the United Nations Office for REDD+ Coordination in Indonesia, and UNOPS to build a Climate Communications Centre where local people could connect and share information with other members of their community, and improve their connectivity to the rest of the world. The Climate Communications Centre also seeks to tackle illegal logging and climate change, and preserve the forests and organic wetlands of Indonesia.

The Climate Communications Centre officially opened in September 2013 and runs completely on solar power.



SUMMARY

Customer Profile

PT Indogreen Technology and Management

www.teknologihijau.co.id

- Renewable energy system provider
- Location: Indonesia

Challenge

Select a reliable system for a centre fully dependent on solar power, and products that could withstand transportation to a remote location

Solution

- Conext XW 6048 x 2
- MPPT 60 150 x 6
- Conext ComBox



Solution

The project was installed by PT Indogreen Technology and Management, a solar energy company that specializes in solar integration for small, medium, and large power plants.

Initially, a different inverter company was suggested for the project, but PT Indogreen Technology and Management suggested Schneider Electric for the reliability of the products, and the customer service and maintenance offer. Moreover, Schneider Electric's inverters and monitoring system were a clear choice for PT Indogreen Technology and Management due to the ease of transportation. Because of the remote location of the Buntoi village, it was important to select products that would transport easily and could withstand travelling to the remote location of the project.

For the Climate Communications Centre, **two Conext XW 6048 inverters were used, along with six MPPT 60 150 solar charge controllers, and one Conext ComBox monitoring system.**



The Climate Communications Centre operates entirely on solar power, and as a result, required a reliable system and one that could sustain the energy harvest necessary to run the centre. Since the project was completed in 2013, the system installed by PT Indogreen Technology and Management has been operating smoothly and UNOPS has been satisfied with the solution provided.



“The UNOPS Climate Communications Centre relies completely on solar, and required a system that could support its energy needs. The reliability of Schneider Electric products and their customer service and maintenance offer made them a clear choice for this important project.”

– Ayi Rachmat,
President Director,
PT Indogreen Technology and Management



The Climate Communications Centre is built entirely using local materials, and is environmentally-friendly, promoting the preservation of Central Kalimantan's forests and encouraging sustainable practices to combat climate change

About Schneider Electric

As a global specialist in energy management with operations in more than 100 countries, Schneider Electric offers integrated solutions across multiple market segments, including leadership positions in energy and infrastructure, industrial processes, building automation, and data centers/networks, as well as a broad presence in residential applications. Focused on making energy safe, reliable, and efficient, the company's 150,000 plus employees achieved sales of 24 billion euros in 2013, through an active commitment to help individuals and organizations “Make the most of their energy”.

Contact us at solar.schneider-electric.com/where-to-buy to discuss your solar energy needs.