



Published on *The Malay Mail* (<http://www.mmail.com.my>)

[Home](#) > Printer-friendly

## Solar power for Sabah school

German project highlights displacing of fossil fuels to generate electricity

Wednesday, February 13, 2013 - 17:23

### Location:

PENAMPANG

**GERMAN** renewable energy systems firm Solarsysteme Sachsen GmbH has completed the installation of a 5.4kWh rooftop photovoltaic (PV) system at the St Michael secondary school here in Sabah.

The programme, launched in 2004, is part of the worldwide “dena Solar Roofs Programme” coordinated by the Deutsche Energie-Agentur GmbH (dena) — the German Energy Agency — and co-financed by the German Federal Ministry of Economics and Technology (BMWi) supporting German solar energy companies entering new markets.

Locally known as the “Solar Roofs Project Malaysia”, the project was initiated in October last year. The school is the first in East Malaysia to be fitted with a PV system.

Sabah was chosen due to the state’s great potential on the availability of solar energy. The St Michael Secondary School was not only chosen because of the many prizes they had won for implementing green projects, but also because of the school’s positive spirit and enthusiasm in advocating renewable energy.

The intention of implementing this project is to further educate the students on PV’s crucial role in improving living conditions around the world, as well as displacing the use of fossil fuels to generate electricity.

The solar system generates approximately 6,800 kWh of solar energy per year and helps to offset the school’s utility costs. The system includes a back-up system whereby the energy



[1]

**BRIGHT: St Michael secondary school students admiring the newly installed solar panels**

stored in the battery can be used during a power blackout.

To illustrate the benefits of the rooftop solar system to members of the local community, a display panel has been installed in the centre of the school to display the actual power in kilowatts and the accumulated generated energy (in kWh) and carbon dioxide savings over the entire period.

“The school has conducted numerous environmental based projects throughout the years. The main objective of the whole projects is to create and increase the environment awareness of preserving Mother Nature within its students, teachers, parents and the community,” said board of governors chairman Donald Malingan.

As a result of the environmental education in the school, it can be clearly observed that the students have made it a habit to recycle, to turn off the nonessential lights and fans and reduce the water consumption, he added.

[Spotlight](#) [Business](#)

**Source URL:** <http://www.mmail.com.my/story/solar-power-sabah-school-47418>

**Links:**

[1] <http://www.mmail.com.my/image/solar-0>