Solar-Powered PCs for Education

→ **Thinlabs and its partners are creating affordable solar-powered computers for educational use in rural areas of developing countries.**

Using solar energy to power batteries for **cheap energy efficient desktop computers**, this solution seeks to address many of the challenges related to the adoption of computers in the schools of developing countries, e.g. scarcity of electricity and usually high initial as well as maintenance costs.

These computers are designed for an average lifespan of 5 to 7 years and are built **using low power components**, reducing the power consumption below 30 Watts. The batteries are capable of **running for a whole school or working day** without having to be charged. The product is currently in development and should be ready by early July, according to ThinLabs.

Why a Sustainia100 solution?
One thing available in plenty in the developing world is the sun. Using solar energy for powering computers with low power consumption, along with a long life span of hardware, is contributing to making this solution environmentally-friendly. Disseminating this solution will improve access to IT and thus help to foster social and economic progress.

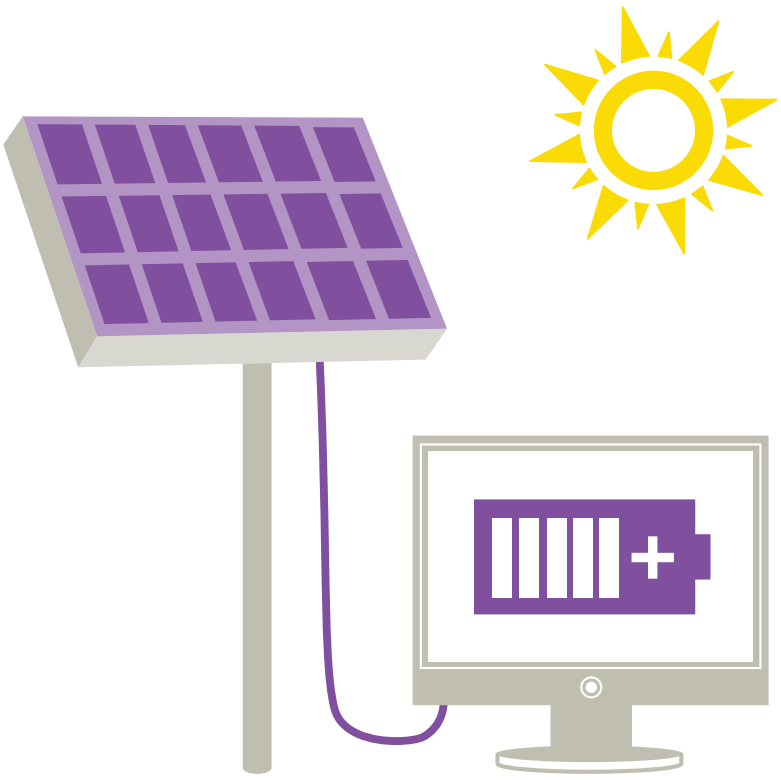
ENVIRONMENTAL
Solar powered and made of environmental friendly and recyclable materials.

SOCIAL
IT in education helps foster social progress, and with their large 22" screens the models encourage a collaborative learning culture.

ECONOMIC
Zero power costs and 5-7 years of guaranteed life results in a low total cost of ownership.

Developed in USA

Deployed in India



Solution by Thinlabs and Kvaliteta Systems and Solutions