

The Digitruck, a Mobile IT Unit

What is it?

The Digitruck is a mobile and autonomous IT classroom unit powered by solar energy, intended to reach those in remote areas who do not have access to electricity.

Technical details

Inside the classroom

The classroom is formed by a second hand A choice sea container (40 ft.), which is completely finished. It is insulated from the inside and has a secure cabinet where the solar system and batteries are stored. The outside is painted in white RAL color. The classroom has 1 access door and 3 windows on each side for proper air circulation; additionally, all of the windows have theft proof shutters. The Digitruck contains durable work desks and benches designed to withstand the climate and intense usage. There is space for 18 people to work at the same time.

Energy

The classroom is powered by solar panels with a converter and a power control. Furthermore, it uses GEL maintenance free batteries and is equipped with fuses and protections for AC and DC, Led lighting, and cable ducts for power supply. The installation is done through grounding, mounting the system for solar panels on the roof, all the electrical installation and the proper commissioning, acceptance and documentation of such.

IT Equipment

Each Classroom contains 20 laptops equipped with Windows 7.0, a Wi-Fi router, NAS storage device, a LED TV, and an inkjet printer.

Security

The windows and the door are specifically designed for the container. The container has an anti-theft design, alongside double steel shutters with bolts.



Digitrucks in the world

Presently, Close the Gap deploys 6 Digitrucks with the help of various partners and sponsors.

Tanzania

- Operator: Neema International
- Location: Moshi, Tanzania

South Africa

- Sponsor: Dumoulin United Petfoods
- Location: Hermanus, South Africa

South Africa

- Operator: Code 4 Cape Town
- Sponsor: Deloitte Belgium
- Location: Cape Town, South Africa

DR Congo

- Operator: La maison des Savoirs Kinshasa
- Sponsor: Brussels Government
- Location: Kinshasa, DR Congo

Kenya

- Operator: CFSK-WEEE Centre (with trailer)
- Sponsor: Arrow US
- Location: Nairobi, Kenya

The 6th Digitruck

The 6th Digitruck will probably go to a refugee camp in Lebanon sponsored by the Dutch embassy or it will be used for a coding programme in Dutch Schools.



For more details about the various Digitrucks and their impact: <http://close-the-gap.org/what-we-do/the-digi-truck/>