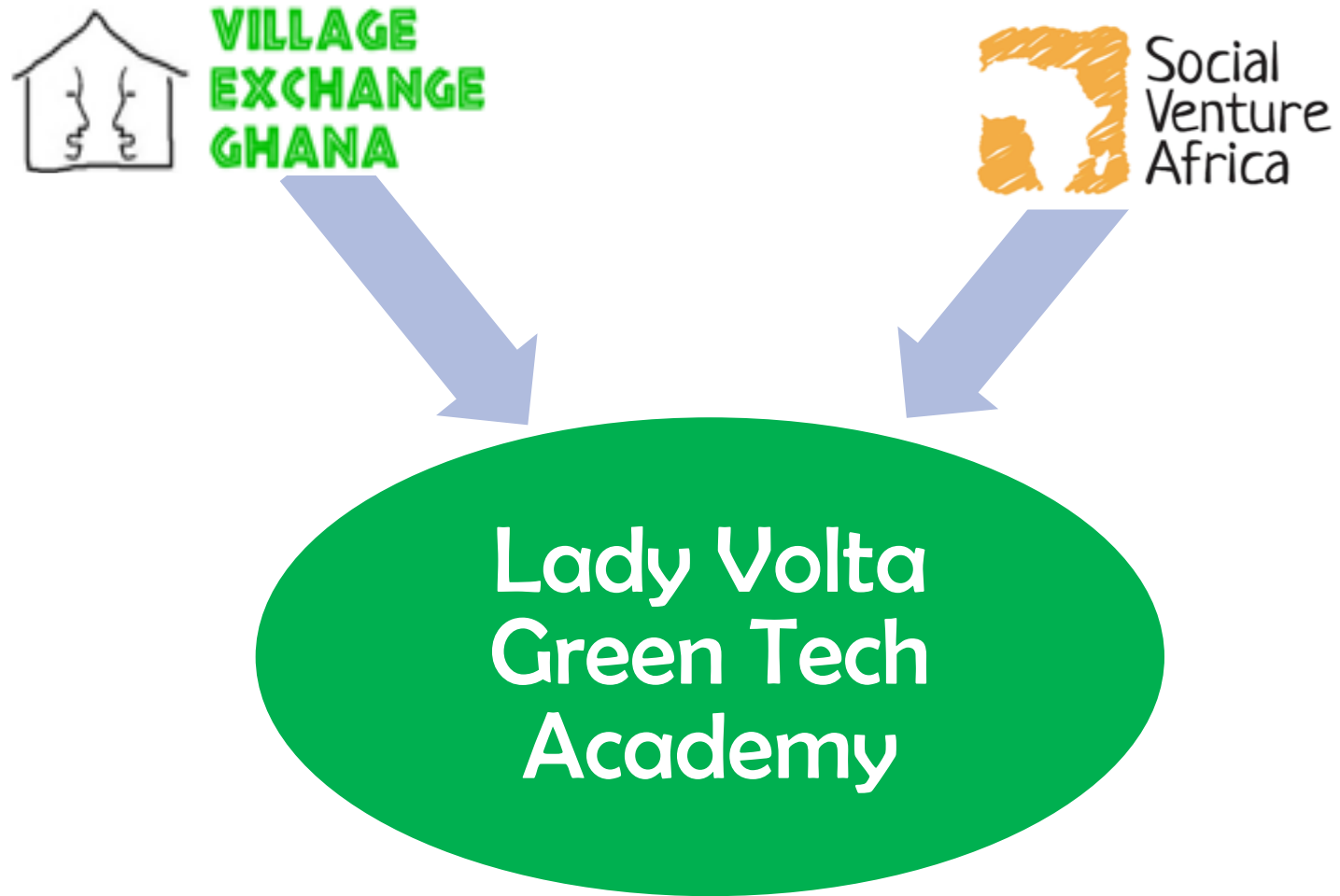


The Lady Volta Green Tech Academy (LVGTA) Vocational Center in Ho (Volta Region), Ghana



Vision

- Provide education and training in electricity, renewable energies and ICT that offers women and disadvantaged youth professional opportunities
- Empower women and disadvantaged youth to take their destiny in their own hand
- Make affordable and green energy available to everyone
- Harness local resources and facilitate technology transfer
- Foster the development of rural areas in a sustainable and environmentally friendly way

Mission

- Establish a solar energy competence center in Ho
- Train well-educated solar power specialists and electricians with a focus on practical knowledge
- Women empowerment through comprehensive vocational training, ICT skills training and the creation of employment opportunities
- Raise awareness: what men can do women can do; "he for she"
- Support the self-development of youth through comprehensive education (including social skills and career planning) and industrial internships
- Promote the diffusion of solar energy from small-scale devices and mini-grids to large scale installations that can be maintained locally

Social Value Proposition

Create employment opportunities for disadvantaged youth and women through education, skills training and income-generating activities in solar energy and electricity that benefit local communities

Milestones

Two Charge-Up Ghana solar power workshops funded by Social Venture Africa (SVA) to train students to build solar panels with USB charger from partially recycled materials at Village Exchange Ghana (VEG)



2015

2014-2015



Late 2014: Offering short workshops is not enough! **Creation of a vocational center** on the premises of Village Exchange Ghana

Milestones (cont.)

The “Lady Volta Green Tech Academy (LVGTA)” starts offering NVTI classes and later also Ghana Energy Commission classes

2015

**Lady Volta
Green Tech
Academy**



2016

Adansonia entrepreneurship training and distribution of 50 solar chargers to enable the creation of virtual social networks

VEG starts a three-year partnership with SCHNEIDER ELECTRIC, which sponsors a modern electricity laboratory

2016



Milestones (cont.)

First LVGTA graduation ceremony



2017

2017



Solar reading lights project with the Norwegian NGO SAFE-TI

Milestones (cont.)

VEG obtains a French Solidarity Grant to develop solar PV systems for rural communities without electricity



2017-2018



2017



Panels of the prototype developed by Julien Aix (April 2018)

Development and installation of 11 PV systems in the Adaklu Gakukorpe community led by a French volunteer

Milestones (cont.)



SCHNEIDER ELECTRIC
"training for trainers"
workshops



2019

2018



Creation of a Renewable Energy Institute (REI) with a renewable energy installation for the vocation center in a partnership with the Swiss NGO IAS-INGÉNIEURS & ARCHITECTES SOLIDAIRES

Milestones (cont.)

REI renewable energy
and electricity workshops



2019-2023



2020

Covid-19: temporary school
closure, student engagement and
school building upgrades



Milestones (cont.)

Completion of an ICT lab and opening of a repair workshop for electrical devices



2021



2022

Expansion of ICT training and regular ICT classes for ca. 50 junior high students of partnering schools without computer lab facilities

Milestones (cont.)

Solar water purification installation workshop at the vocational center



2022



2022



VEG obtains a French Solidarity Grant for two Lagazel solar charging stations and the distribution of solar lamps and a reproductive health intervention for beneficiaries in the Nyitawuta community, as well as for beneficiaries of the Kekeli foundation

Milestones (cont.)

School building upgrades
(including a restaurant) and
VEG's 20th anniversary



2023



Local Team

LADY VOLTA GREEN TECH ACADEMY



LVGTA Manager Confidence Coffie (center)

VEG President and LVGTA Director Christiane Milev (right)

SVA President and LVGTA Director Christoph Bertsch (left)

Appendix

French Solidarity Grant PV Systems

11 solar power installations in Adaklu Gakukorpe



Installation of the prototype (May 2018)

Our students Mary and Believe after doing the house wiring (LED light bulbs and power sockets in the two rooms of the house of the beneficiary Kutteh family)



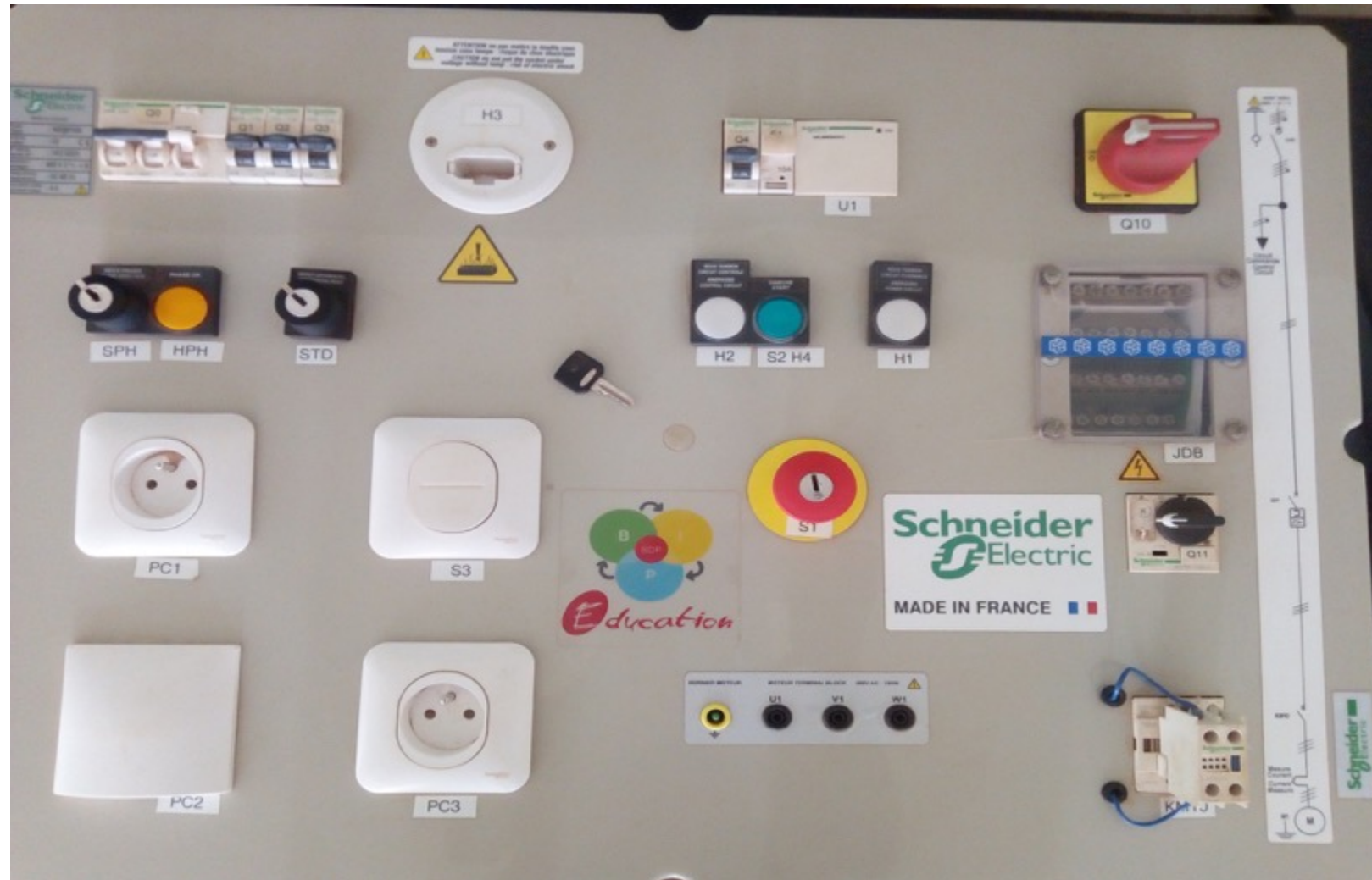
ICT Lab (since 2021)

- 20 desktop and laptop computers
- Cooperation with local schools



LADY VOLTA GREEN TECH ACADEMY

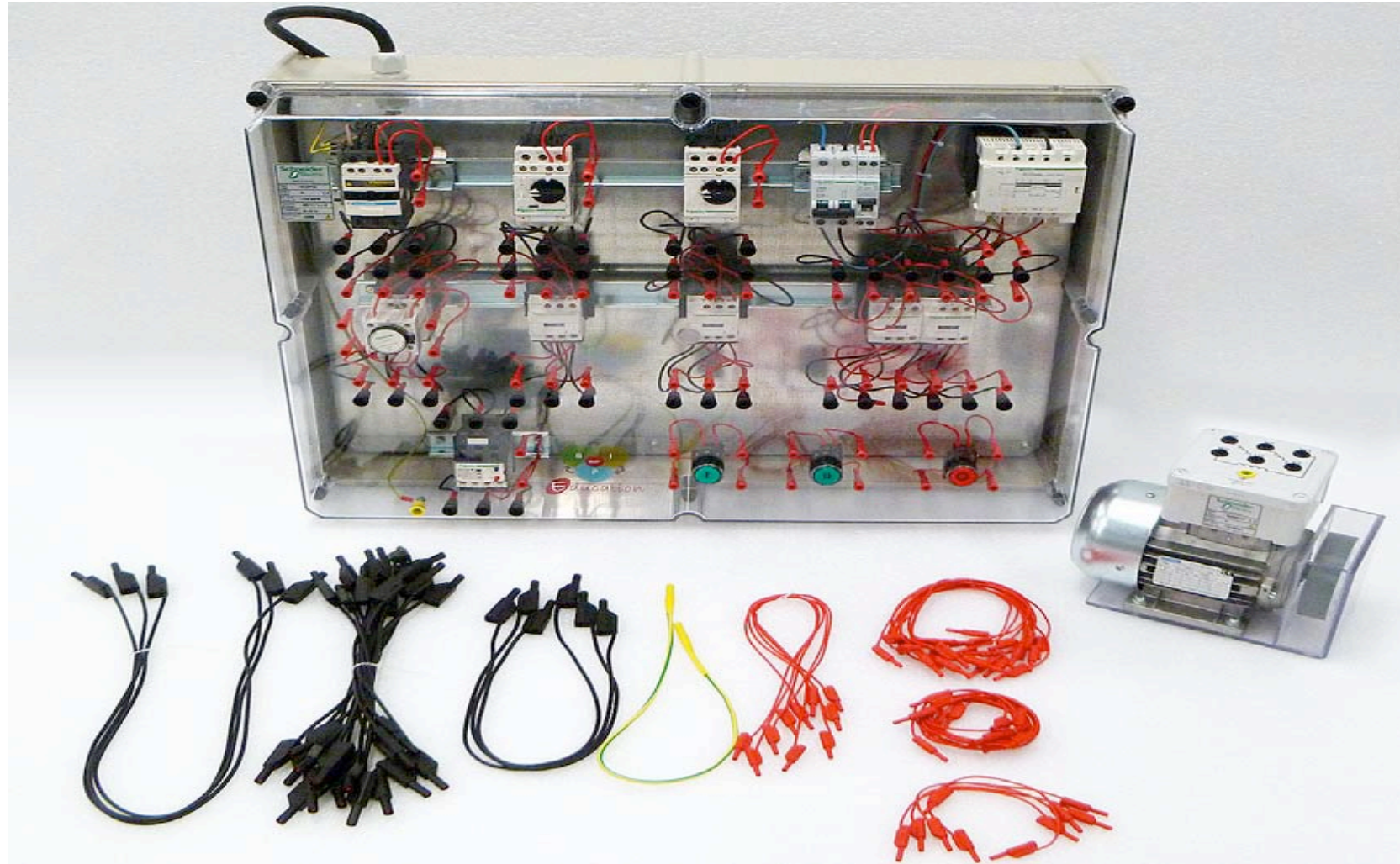
SOME LABORATORY EQUIPMENTS AND TOOLS



ELECTRICAL HAZARD ENCLOSURE / SAFETY BENCH

LADY VOLTA GREEN TECH ACADEMY

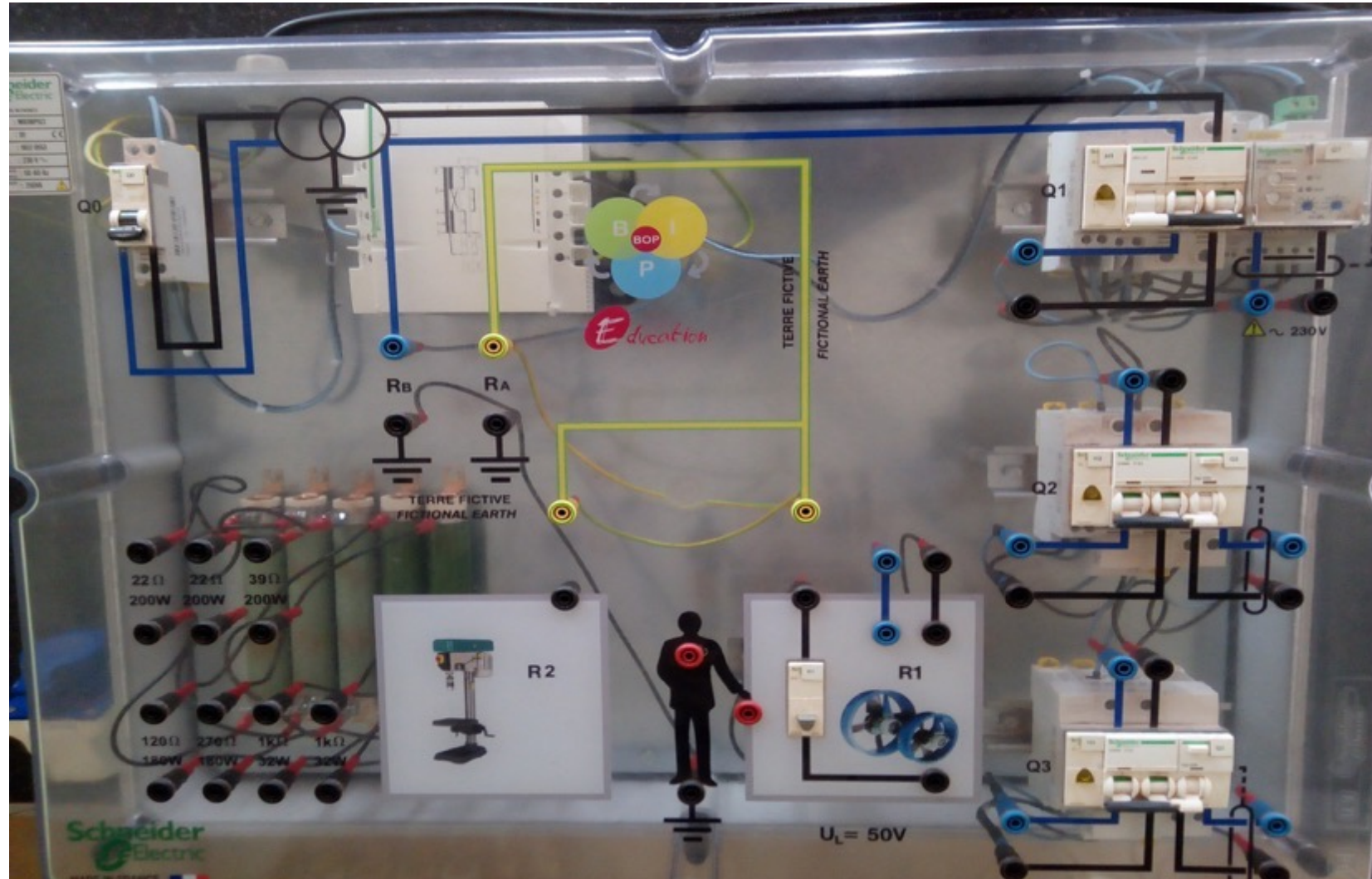
SOME LABORATORY EQUIPMENTS AND TOOLS



MOTOR STARTER ENCLOSURE / BENCH

LADY VOLTA GREEN TECH ACADEMY

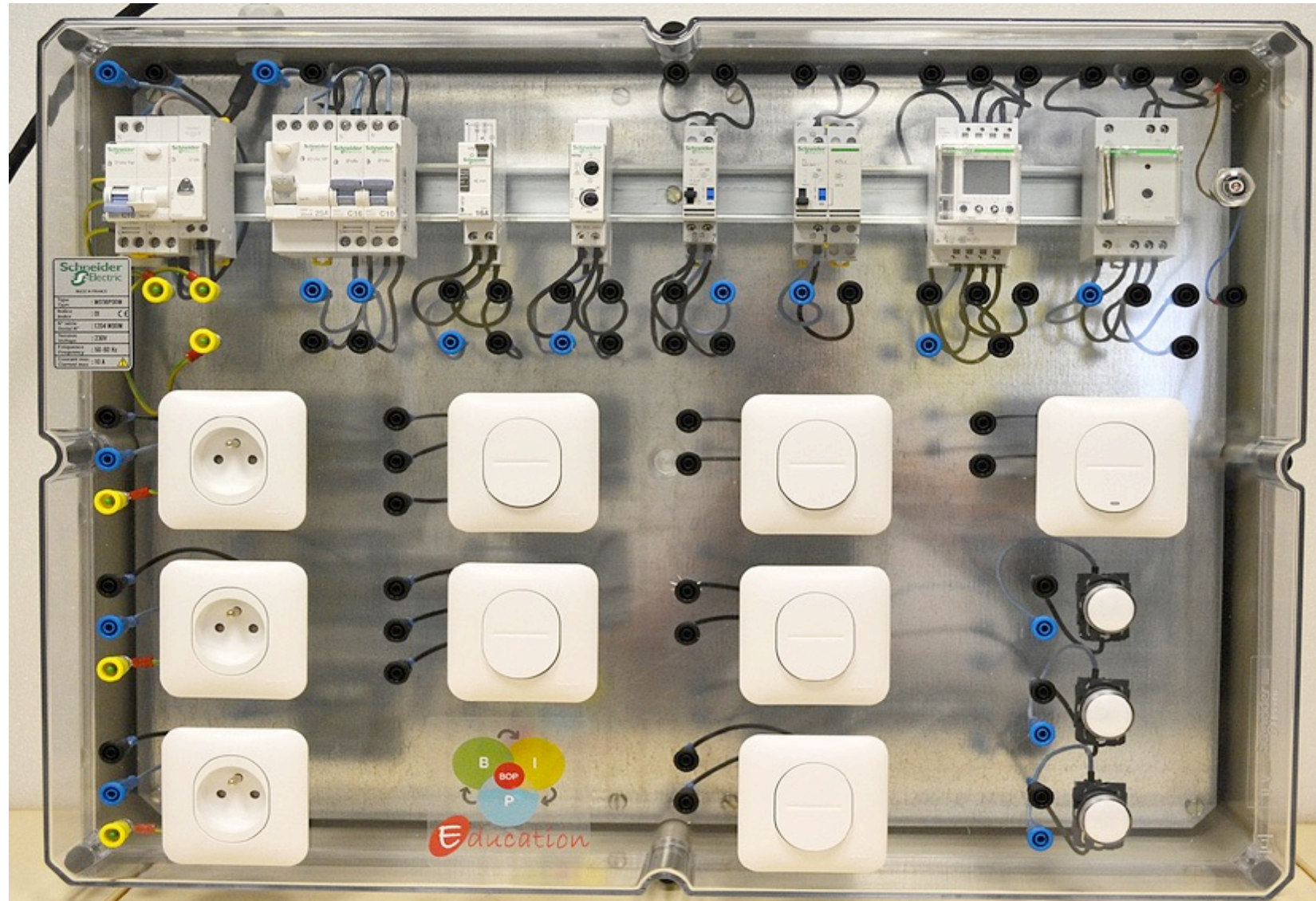
SOME LABORATORY EQUIPMENTS AND TOOLS



EARTHING ENCLOSURE / BENCH (TT TYPE EARTHING SYSTEM)

LADY VOLTA GREEN TECH ACADEMY

SOME LABORATORY EQUIPMENTS AND TOOLS



DOMESTIC ENCLOSURE / BENCH (SOCKETS AND SWITCHES CONNECTIONS)

LADY VOLTA GREEN TECH ACADEMY

SOME LABORATORY EQUIPMENTS AND TOOLS



OFF GRID SOLAR ENCLOSURE/BENCH

LADY VOLTA GREEN TECH ACADEMY

SOME LABORATORY EQUIPMENTS AND TOOLS



SOLAR WATER PURIFICATION SYSTEM / SOLAR PUMPING BENCH

LADY VOLTA GREEN TECH ACADEMY

SOME LABORATORY EQUIPMENTS AND TOOLS



PV panel



Motor samples

LADY VOLTA GREEN TECH ACADEMY

SCHNEIDER ELECTRIC LAB TRAININGS



LADY VOLTA GREEN TECH ACADEMY

SOLAR / ELECTRICAL CLASS

