



ASSIST PROJECTS: *sustainABILITY & emPOWER*

**Asia Society for Social Improvement and
Sustainable Transformation (ASSIST)**

CONTENT

1 sustainABILITY

- Context
- About the Project
- Partnership Opportunities

2 emPOWER

- Objectives
- Project Activities
- Partnership Opportunities

3 About ASSIST

- Our Story
- Contact Information

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1

sustainABILITY

sustain**ABILITY**

Green Skills, Expanded Horizons



Implemented by



Supported by

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CONTEXT

In April 2016, the Government of the Philippines passed the **Green Jobs Act** (RA 10771) to promote sustainable growth, create decent jobs, and build resilience against climate change by incentivizing businesses to generate green jobs.

Though bodies such as the Technical Education and Skills Development Authority (TESDA) have been working to develop the green skills of the workforce, the pandemic brought activities to a standstill. It is only now that stakeholders have returned to active engagement with the topic of green jobs.

Based on TESDA's 2018 labor market assessment, **green industry sectors are expected to generate an additional 5.1 million jobs by 2025**, presenting significant opportunities for green skilled Filipino workers

Unfortunately, **the curricula of most technical and vocational education and training institutes (TVIs) do not incorporate the necessary green skills** in the courses they offer, which contributes to a shortage of a green skilled workforce. A lack of career guidance facilities in TVIs also causes great difficulties for students to navigate their career path.

What are green skills?

the knowledge, abilities, values and attitudes needed to live in, develop and support a sustainable and resource-efficient society.¹

What are green jobs?

employment that contributes to preserving or restoring the quality of the environment

¹ <https://www.unido.org/stories/what-are-green-skills>

BACKGROUND

Project sustainABILITY is a 2 year project that will engage with 20 TVIs, 750 instructors, and 12,000 students in **Metro Manila and Cebu**.

By designing a comprehensive and industry-relevant curriculum and pedagogy, **sustainABILITY will equip students and educators from TVIs with green skills** in four key industry sectors, namely construction, metals and engineering, automotive and land transportation, as well as agriculture, forestry, and fisheries. It specifically aims to train TVET students in the following occupations:



Automotive & Land Transportation

- EV Service Technician
- Green Electrician (EV Specialised)
- Sustainable Painting Specialist



Construction

- Solar Panel Installer
- Green Plumber
- Green Electrician
- Green Carpenter



Metals & engineering

- Pollution Control Technician
- Energy Auditor
- Sustainable HVAC Technician



Agriculture, Forestry & Fisheries

- Solar Irrigation Technician
- Agri-Waste Management Specialist
- Sustainable Livestock Management Specialist

KEY ACTIVITIES

sustainABILITY will be implemented in four stages, guided by the insights of our expert industry consultants and partner educational institutions

Build **partnerships** with TVIs, industry associations, and government offices

Mount a **multi-stakeholder forum** to engage all relevant sectors

Perform **baseline assessment** to determine the landscape of green skills in the Philippines

Engage with expert consultants to **design the technical modules** on green skills

Develop **soft skills module** for job readiness

Train 750 educators on green skills instruction and career counseling

Cascade green skills and soft skills training to **12,000 students**

Launch online green skills platform where students can access learning materials

Ensure placement of certified students into green jobs

Host green career fair where students can gain valuable insights

Launch **career engine platform**

Conduct **tracking study** to map placement of certified students

WHAT DOES SUCCESS LOOK LIKE?

sustainABILITY will not only equip instructors and students with relevant green skills, it will also ensure that at least half of certified students are employed in green jobs after completion of the course. Below are the metrics of success we promise to deliver:



750 instructors

empowered as green skills instructors and career counselors



6,000+ students

employed in green jobs



12,000 students

trained in green skills



20 TVIs

equipped with green skills curricula & career guidance facilities

OPPORTUNITIES FOR PARTNERSHIP

ASSIST offers four broad ways that organizations can engage with sustainABILITY. Should you wish to engage through other means, we are very open to discussing more opportunities for partnership.

Curriculum Development

Be part of our **Industry Advisory Committee** and collaborate in designing curricula that align with industry needs and trends in green skills education. Experts will give insight on the topics that must be addressed in the curriculum and review learning materials.

Training

Organizations can support our training program in two ways. First is through the **nomination of students and educators** to undergo the green skills training. Second is by **volunteering to teach** the green skills or soft skills module.

Provision of mentorship, internship, or placement opportunities

Provide placement support in green jobs for certified students. Your organization can participate in our upcoming green career fair, or post internship or job opportunities in our career engine platform.

Resource Support

Contribute **vital resources** such as relevant materials, case studies, and tools that would enrich our program. These resources, whether software applications or industry-specific equipment, can ensure that our program equips individuals for success.

WHY PARTNER WITH US?

sustainABILITY offers a unique opportunity to bolster the Filipino workforce. By partnering with us, your organization will contribute to a more sustainable future, benefiting students, teachers, industry sectors, and Philippine society as a whole.



Workforce Development

Once training has been accomplished and students have been certified, your organization will get access to a **large pool of job-ready green workers.**



Access to learning materials

All partners will gain access to our **green skills and soft skills modules, as well as our online resource platforms** that can be used for other initiatives once sustainABILITY has been concluded.



Visibility & Recognition

Be **prominently featured** in materials, marketing collateral, knowledge assets, and events, showcasing your commitment to sustainable workforce development.



Networking Opportunities

Interact directly with educators, industry associations, and other stakeholders in the green skills ecosystem to **foster valuable connections within the industry.**

2 emPOWER



emPOWER

#EmpoweringtheFuture

Implementing Partners



Schneider
Electric

KFW DEG

emPOWER

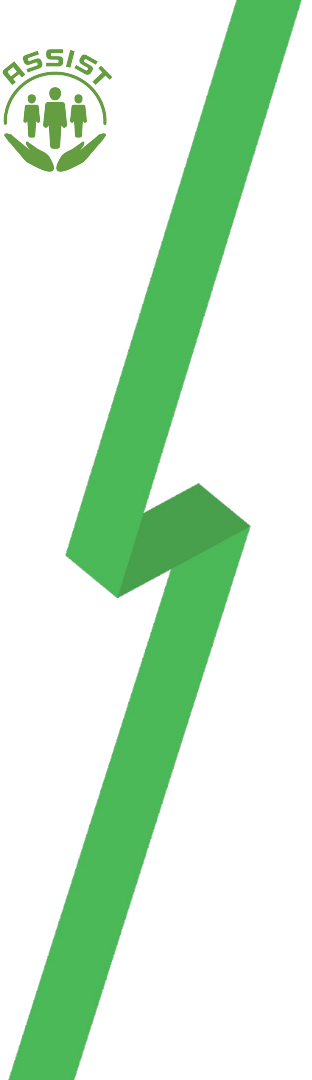
KFW DEG

Schneider
Electric



About emPOWER

emPOWER aims to capacitate and increase the employability of students and recent graduates in electrical-related courses across the Philippines by providing essential top-up skills and access to learning tools and equipment.

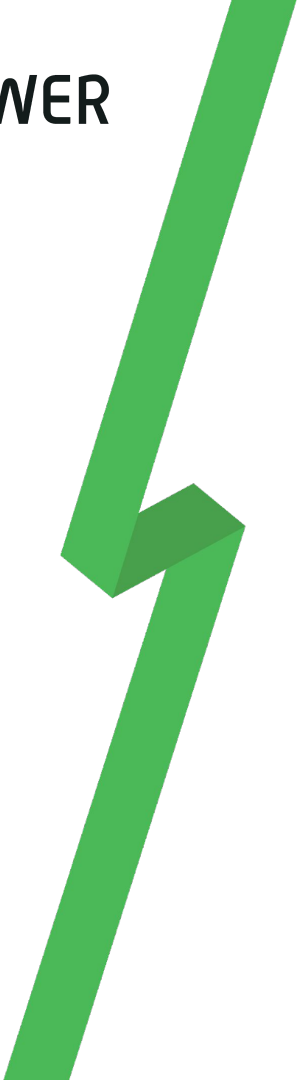


Project Partners:

emPOWER

Schneider Electric *Fondation*

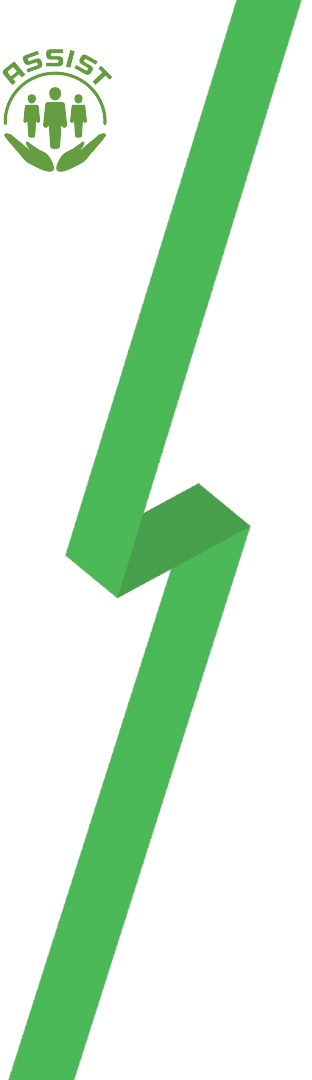
Schneider Electric





This project aims to:

1. Address the lack of skilled local workers in the electrical sector.
2. Provide youth with top-up knowledge in soft skills, digital skills and occupational safety skills to increase their employability.
3. Capacitate schools with needed learning tools and equipment.
4. Develop market linkages to connect skilled workers with work opportunities.
5. Build an ecosystem aimed at capacitating people with locally-relevant competencies and industry-needed skills.



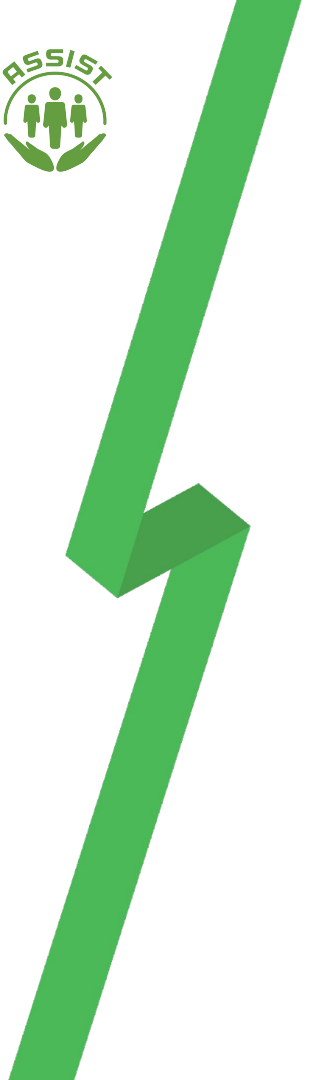
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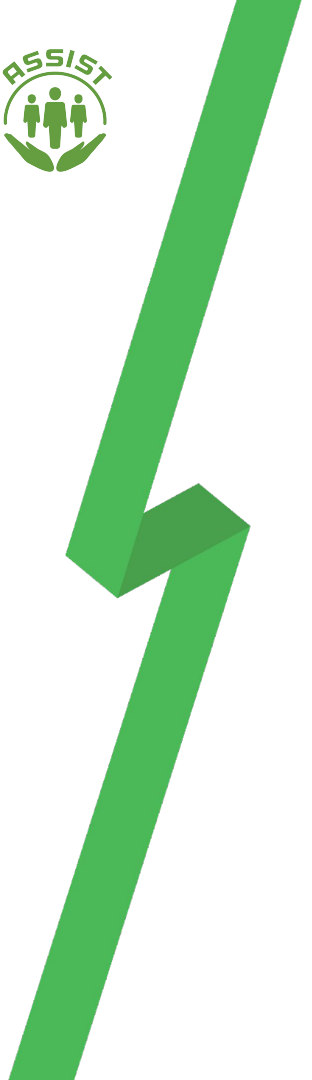
Project Activities





Establish Schneider Learning Labs

ASSIST shall establish learning laboratories with Schneider Electric's state-of-the-art equipment that will provide more effective practical training for students.



Motor Start Package (module 4A items)

Description:

This assembly allows electromechanics to design, assemble, wire and troubleshoot power control equipment. It consists of wiring accessories, power supply kit, starters, speed controller, etc.

Learning Goals:

- Study and implement the various motor start-up schemas:
 - Separation or sectioning,
 - Control or switching,
 - Short circuit protection,
 - Overload protection.
- Know the equipment and implementation differences.
- Make power control equipment.



Ref. Pack ACT-K21-MSP



Ref. Pack ACT-K21-MS2



Ref. Pack ACT-K21-MSD

Operational Part (module 4A compatible item)

Description:

This assembly allows electromechanics to design, assemble, wire and troubleshoot power control equipment. It consists of stand mounted and is equipped with connecting sockets.

*Learning Goals are related with module 4A



230 / 400 V motor



400 / 690 V motor

Residential Wiring (module 4B items)

Description:

This kit is intended for the study of electrical installation, uses of devices, as well as the preparations and installation of the video digital interface, transmission of data over IP.

It consists of breakers, outlets, switches, LED, enclosure, etc.



Learning Goals:

- Safety and security perimeters during building installation.
- Installation of standards, electrical components and devices, use of mechanical timers, motion and light sensors.
- Preparation and install the video digital interface, transmission of data over IP.

Study of TLS and selectivity (module 4B compatible items)

Description:

This kit is intended for the study of the protection of people and property in an Earth Link Scheme (TLS) facility type TT. The equipment consists of different electrical protection devices and resistors to simulate the human body or different equipment connected to the network. It consists of isolation transformer, set of resistors, circuit breakers, push buttons, power cable, etc.

Learning Goals:

- Study the different ground connection patterns.
- Study the usefulness and functioning of safeguards.
- Choose the most appropriate protection for an installation.
- Determine fault currents.
- Study ampere and chronometric selectivities.



SLT box + bundle of cords

Electrical Hazards Awareness Cabinet (module 4B compatible items)

Description:

This cabinet is used to make students aware of the electrical hazards present in a domestic or industrial environment. Students equipped with their PPE will make the installation safe before working on the equipment. It consists of sockets, cables, switch, light, switch disconnecter, splitter box, thermal-magnetic circuit breaker, buttons, etc.

Learning Goals:

- To make non-electricians aware of electrical hazards
- To use PPE and CPE
- To carry out basic operations on LV equipment in safe conditions
- To identify and lock out electrical circuits before working on them
- To measure an installation



Bench Micro Power Plant for Isolated Site (energy module items)

Description:

This bench allows you to implement a solar power production chain, from photovoltaic panels to 230 V AC receivers.. It consists of photovoltaic structures, panel of photovoltaic cells, coupling box, main box, cables, regulators, battery, inverter, protective and measuring equipment, etc.

Learning Goals:

- Connect the photovoltaic panels to study the different series/parallel combinations.
- Understand the different components of an isolated photovoltaic production line.
- Measure energies at different points in the installation.
- Study battery charge and discharge constraints.



Conversion box and coupling box

Solar Water Pumping Bench (energy module items)

Description:

This bench reproduces a stand-alone solar pumping solution proposed by Schneider Electric, in areas where connection to the electricity grid is not possible. The electrical energy supplied by photovoltaic panels directly feeds a specific variable speed drive. It consists of centrifugal pump, tank with level sensor, switch, emergency stop punch, cord, circuit breakers, etc.

Learning Goals:

- Discover and implement the drawing bench.
- Study the operation, setup and maintenance of the Solar ATV 312 controller.
- Dimension the photovoltaic panels necessary for the operation of the bench.



SUN AND WATER

Technical & Safety Skills Training



**21st Century
Employability Skills**



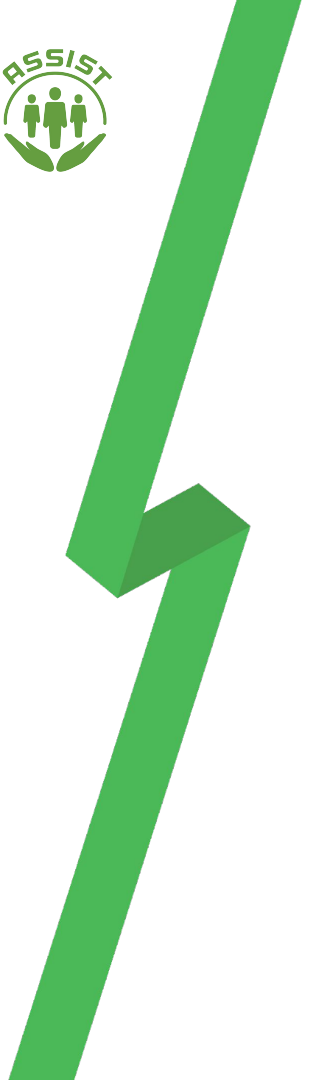
**Home,
commercial and
industrial
automation**



**Renewable /
Solar Energy
Technology**



**Occupational
Safety and
Health**



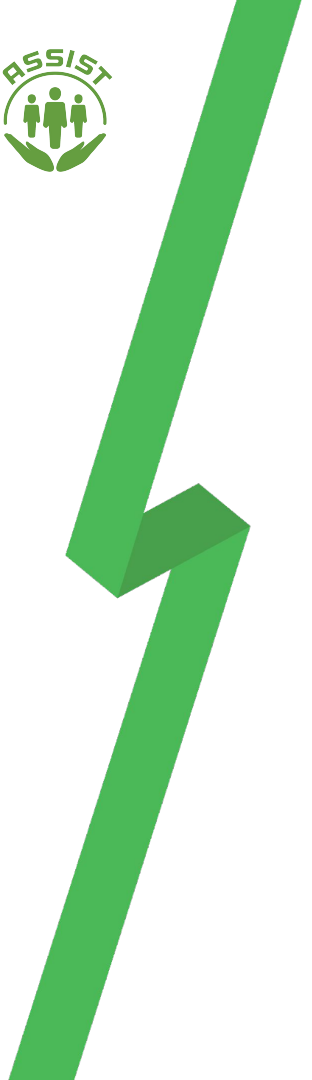
Employability Skills Training

1. **Personality and Job Readiness for the Workplace**

- Ethics and Etiquette at Work*
- How to Create a Winning Attitude*
- Teamwork Skills*
- Personality Enhancement for the Workplace*
- Effective Critical Thinking and Problem-Solving Skills*

2. **Developing Essential Jobs and Internship Skills**

- Writing a Great Resume and Cover Letter*
- How to Prepare and Succeed in Any Job Interview*
- Dressing and Grooming to Win in the Workplace*
- Communication and Presentation Strategies*
- Essentials in Financial Literacy and Management*



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Formulation of Industry
Advisory Board



Training of Industry
Partners



Creation of Job Portal



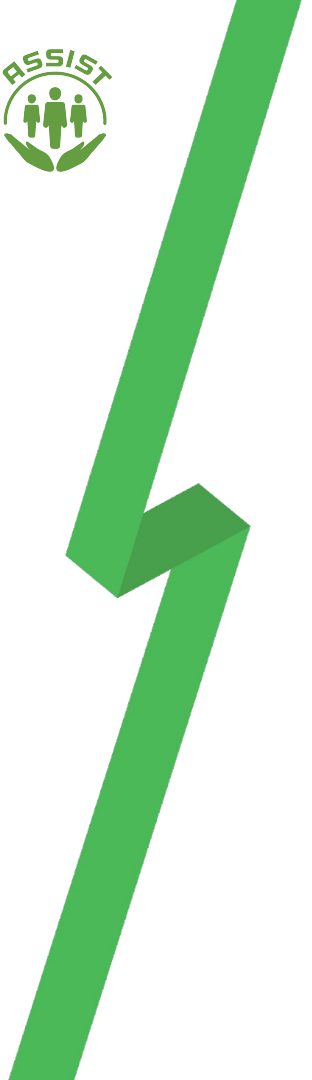
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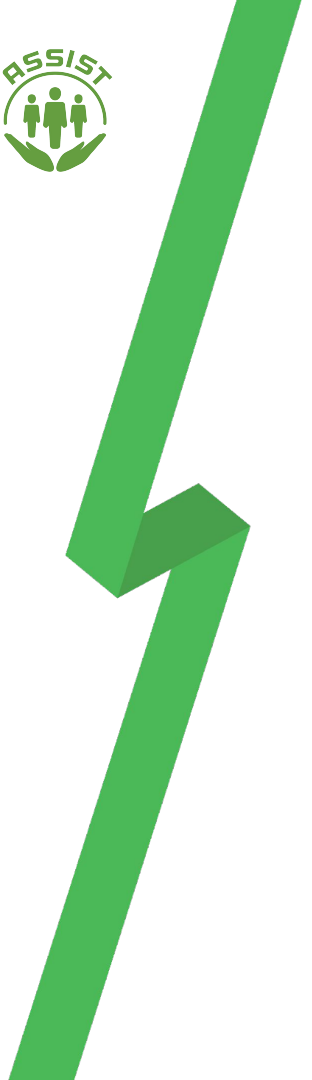
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Partnership Opportunity



Partnership Opportunities

| | |
|-------------------------|---|
| Industry Advisory Board | Take part in the Industry Advisory Board and provide insights on the employment opportunity of trainees |
| OJT Placement | Coordinate with ASSIST in providing OJT experiences to beneficiaries - IDPs and/or low income students |
| Job Placement | Provide job placement for successful and qualified trainees |



3

ABOUT ASSIST

OUR STORY

The **Asia Society for Social Improvement and Sustainable Transformation (ASSIST)** is a self-sustaining non-profit, geared towards capacity-building, promoting sustainable practices, and achieving social impact.

With **20 years of experience and expertise in enabling social and business impact**, ASSIST has worked for continued progress and prosperity throughout Asia and parts of Africa.

A cornerstone of ASSIST's success is our **"Partner for Progress" philosophy**, which highlights the value of collaborating to achieve a common goal.

Together with our **partners** from the **private sector, academe, government, and civil society**, we have been able to achieve social improvement and sustainable transformation while meeting and exceeding social impact objectives.

OUR **IMPACT** IN NUMBERS

20

years

2M+

people

350+

years

25+

countries

5

country
offices

across **various thematic areas**



Health and Sanitation



Sustainable Economy & Living



Disaster Risk Management



Education & Skills Development



Food Security & Agriculture



Employment & Entrepreneurship

and **cross-cutting areas**



Technology for Good



Youth & Women Empowerment



Community Engagement



LGBTQIA+ & PWDs Empowerment

Let's Partner for Progress!

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