Sustainable Energy Industry Association of Pacific Islands (SEIAPI)

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SEIAPI Overview

The Sustainable Energy Industry Association of the Pacific Islands (SEIAPI) was formed in 2010.

MISSION

To create an enabling environment for the future growth of sustainable energy technologies and their applications in the Pacific Islands.

OPERATION

Global Sustainable Energy Solutions (GSES) an Australian Registered Training Organisation and Consultancy has acted secretariat since 2012.
What is required for a Sustainable “Sustainable Industry”

These needed to support the installation and sustainability of quality systems required to meet SD7.
SEIAPI FOCUS

Product Standards

Design Guidelines

Installation Standards or Guidelines

Technician Certification Scheme

Quality Training Programs
PPA/SEIAPI Technician Accreditation Program

- Launched in 2012

SEIAPI’s Current Objective

- Work with PICT Governments to either have
  - them recognise the accreditation program
  or
  - the relevant in-country regulator develop a “solar technicians license”.

Developed 16 Technical Guidelines
SEIAPI Current Objective

- Work with the relevant in-country government departments, power utilities and where relevant donors to have:
  - the guidelines endorsed
  - International component (modules, inverter, batteries etc) standards enforced
Quality Training
Developed 19 Unit Standards that were submitted to EQAP and Approved for the PRQS

- Designer of Grid Connected PV Systems
- Installer of Grid Connected PV Systems
- Designer of Solar Based Off-Grid Power Systems - (Solar Home Systems)
- Designer of Solar Based Off-Grid Power Systems - (d.c. and a.c. loads)
- Designer of Solar Based Off-Grid Power Systems - (PV/Fuel generator hybrids)
- Installer of Solar Based Off-Grid Power Systems - (d.c. loads)
- Installer of Solar Based Off-Grid Power Systems (d.c. and a.c. loads)
- Installer of Solar Based Off-Grid Power Systems - (PV/Fuel generator hybrids).
- Installer and Maintainer of Solar Based Off-Grid Power Systems - (d.c. loads)
- Installer and Maintainer of Solar Based Off-Grid Power Systems - (d.c. and a.c. loads)
- Installer and Maintainer Solar Based Off-Grid Power Systems - (PV/Fuel generator hybrids)
- Operation and Maintenance of Grid connected PV systems.
- Select and Install Solar Water Pumps
- Select and Install Solar Water Heating
- Implement Energy Efficiency in Residential and Small Commercial Applications.
- Designer Micro Hydropower systems.
- Install Micro Hydropower systems.
- Designer Grid Connected PV with Batteries
- Installer Grid Connected PV with Batteries.
GIZ/PPA License Agreement

- In 2019 GIZ purchased on behalf of PPA a license for 4 PV courses from GSES.

- This allows all Pacific-based training centres free access to training resources to 4 courses relating to design & installation of off-grid & grid-connect PV systems.

- Each training centre signs an agreement with GSES that the material is for that training centres use only and cannot be on-sold.
In July 2022 GSES signed a partnership agreement with The University of the South Pacific (USP) Pacific TAFE, under which USP Pacific TAFE is now offering three online courses:

- Grid Connected PV Systems - Design and Install
- Stand Alone Power Systems (Off-Grid) - Design and Install; and
- Battery Storage Systems for Grid Connected PV System - Design and Install
Sustainable Energy Training Centre - USP Pacific TAFE 2

- This SEIAPI/USP partnership is the initial stage of a larger project establishing a new Sustainable Energy Training Centre at the USP Pacific TAFE Suva campus.

- SEIAPI is in discussion with a private philanthropic organisation to secure funding for the centre.

- SEIAPI Pacific Training Plan is being finalised and will be released next week.
Achieving SDG7 in Pacific

- Challenges with
  - Small populations
  - Small market sizes
  - Spread over large ocean area
    Leading to
  - Many remote and difficult locations

Industry, Governments, Donors and NGO’s all must work together
THANK YOU

Further Information:
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