



# **CAPACITY BUILDING INITIATIVES**

**RENEWABLE ENERGY- SOLAR P.V SYSTEMS**

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# RURAL ELECTRIFICATION DATA- VANUATU

- 75 per cent of Vanuatu's households live in rural areas
- However Vanuatu has only 17 per cent of rural electrification
- National Energy Road Map (NERM) goal is namely to provide access to electricity to all households in Vanuatu
- The proposed rural electrification strategy for Vanuatu focuses on rural electrification mainly using solar



# **RENEWABLE ENERGY CAPACITY BUILDING INITIATIVES IN VANUATU**

- **Currently, in terms of formal training programs there is very little capacity building for renewable energy available locally**
- **Vanuatu lacks capacity in its human resources to be able to deliver at the level required by donors**
- **For example the world bank funded VREP 2 requires certified solar designers and installers for the solar installation (DC)**
- **Also requires licensed electricians for the installation of the (AC) systems**
- **Very difficult to find someone in Vanuatu with these requirements let alone someone to teach them**

## **ON THE POSITIVE SIDE- THE SYSTEM IS IN PLACE**

- **Peoples Plan- National Sustainable Development Plan to 2030**
- **Vanuatu Qualifications Authority**  
**Since 2014**  
**Regionally recognised quality assurance system**
- **National PSET Policy**  
**Gives direction to all stakeholders in post secondary education and training**
- **National HRD Plan**  
**Strategically aligns all human resource development at a national level**

# **CAPACITY BUILDING INITIATIVES- PACIFIC VOCATIONAL TRAINING CENTER**



## **Certificate IV in Electrical Engineering (Installation and Maintenance)**

- A VQA approved training program
- Contains a module on Solar PV System
- Entrepreneurship Module

## **Certificate IV in Mechanical Engineering (Refrigeration and Air Conditioning)**

- A VQA approved training program
- Maintenance and repairs on solar refrigeration systems
- Entrepreneurship Module



# **PVTC CERTIFICATE IV PROGRAMS**

- **Began Enrollments in 2016**
- **Highest trade qualification accredited to date under the Vanuatu Qualifications Authority**
- **The inaugural graduation ceremony this year will result in Vanuatu's first Certificate IV qualified persons under the VQA**
- **Participants learn skills that can be applied in both rural and urban settings**

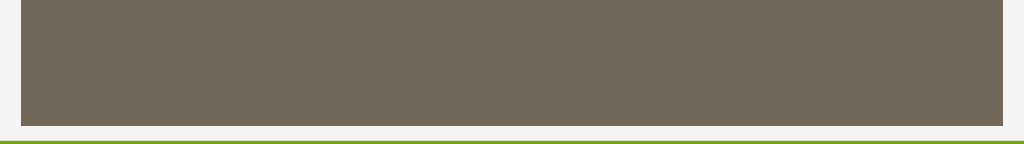
# **PPA/SEAPI-OFF GRID DESIGNER AND INSTALLER LEVEL II TRAINING**

- **PVTC in partnership with GSES and the Department of Energy offered this capacity building training to employees of several organisations involved or planning to be involved in the Vanuatu Rural Electrification Project (VREP II) funded by the World Bank**
- **Training attended by 25 participants all working in the Solar PV industry sector**
- **The outcome is a Level II off grid designer installer under Pacific power Association (PPA) and Sustainable Energy Industry Association of the Pacific Islands (SEIAPI)**

# **FUTURE CAPACITY BUILDING**

- **PVTC plans to develop a Certificate 3 in Solar PV Design and Installation program to be accredited under the VQA**
- **Program to target school leavers and also those in industry wanting to get a recognised qualification in Solar PV technology**
- **Program is in response to the demand for trained personnel in the Solar PV industry**







**TANK YU TUMAS**

**VINAKA VAKALEVU**

**MALO AUPITO**

**THANK YOU VERY MUCH**