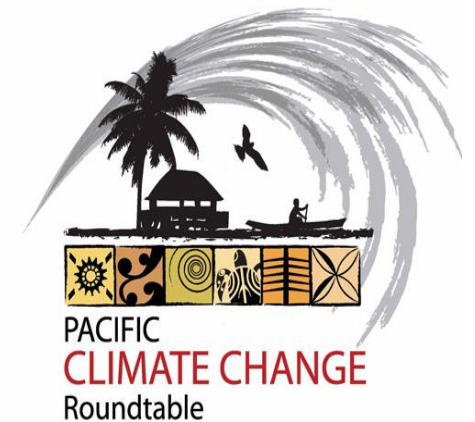


# YWAM'S SUSTAINABLE INTEGRATED SOLUTIONS FOR COMMUNITIES (SISFC)

SPIRITUAL LIFE, EDUCATION, ENERGY, FOOD, WATER,  
SANITATION, HEALTH, ENVIRONMENT, ECONOMY, ETC.

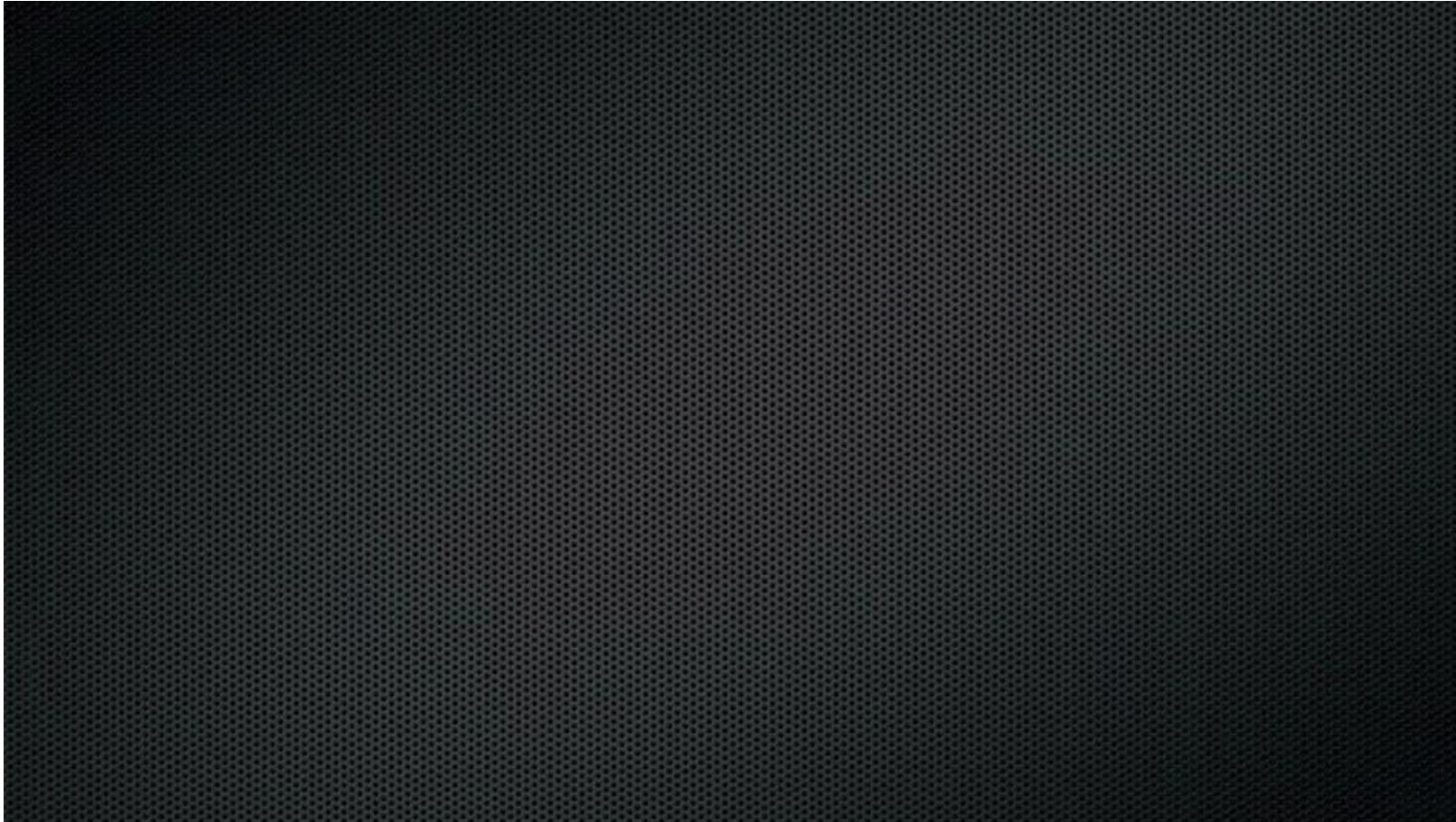
BY **USUFONO FEPULEAI.**

[ywamsamoa@gmail.com](mailto:ywamsamoa@gmail.com)



# BIOGAS INTEGRATED SUSTAINABLE SOLUTIONS

THE BIOGAS SYSTEM THAT SUPPLIED MOST OF THE GAS NEEDED FOR 2014 SIDS CONFERENCE GOLF CARTS USED  
FOR SIDS CONFERENCE VENUE TRANSPORTATION





# YWAM'S SISFC PROJECT

- **Name of Project :** *YWAM's Biogas Integrated Sustainable Solutions (BISS)*
  - **Initiative :** Youth With A Mission Samoa Initiative
  - **Country :** Samoa
  - **Pilot Area :** YWAM Samoa Campus Falelauniu
  - **Project Time Line :** September 15, 2010 – September 14, 2015.
- **Partners Involved**
  - UNESCAP, KOICA, Green Growth, Government of Samoa, Churches, Friends of YWAM , YWAM Vietnam, YWAM International
- **Objectives and expected outputs/outcomes before project intervention.**
  - Clean energy for cooking, lighting, electricity, etc. from organic matter
  - Better food production (meat, vegetables and fruit production through use of clean fertilizer from Biogas)
  - Training and mobilizing skilled and effective young volunteer workers to serve in communities
  - Expand Biogas Training, Biogas Pilots, Biogas systems to communities in Samoa and Pacific Island countries.
- **Processes/Methodology used**
  - **Focused Training :** Classroom, Apprenticeship & Mentorship.
  - **Installation of the appropriate type of Biogas** system.
  - **Expansion :** Mobilize Biogas experts and apprentices to train community key people and install pilots using YWAM's existing network in Samoa and around the Pacific.



# YWAM'S SISFC PROJECT

- **Outputs/Outcomes achieved after project implementation**

- **YWAM Samoa base :**

- Transformed mindset for people in community – no waste – cleaner environment around our community now.
    - Have clean, affordable energy for cooking
    - Produce own clean and rich fertilizer, have much more Fruit and vegetables, more and better meat now.

- **Samoa & other PIC**

- Have done BG pilots in Fiji (Ovea Suva), PNG (YWAM base Lae), and Samoa (Poutasi, Gagaifo Lefaga, YWAM Samoa campus (5 BG systems)
    - Have BG experts trained and mobilized (Asia & Pacific)

- **Expansion Biogas Integrated Projects ready to be implemented :**

- **Biogas Pilots for all 41 electoral Districts**
    - **Biogas Pilot Projects in 10 Pacific Island Countries**

- **Lessons Learned**

- **Biogas Solution** - is an affordable clean source of energy and other resources that can be built from locally available material, and with proper training, anyone can do it – **ALL PIC NEED** – benefit most aspect of community life.
  - **Importance of RIGHTLY training youth** (an unused renewable energy) - For sustainability, focused training is key

- **Recommendations :**

- Because Pacific Islanders are mostly visual and kinesthetic in their learning style, doing the practical first then theory - a must.
  - Training the people first before installation of hardware is always a must for sustainability.
  - ALL PIC should have a **Appropriate Technology Training Centers (ATTC)** to train local Biogas Integrated Sustainable Solution experts – not Universities...
  - Broader Partnership with Financial, Implementation, governments, international organization for faster expansion & replication

