

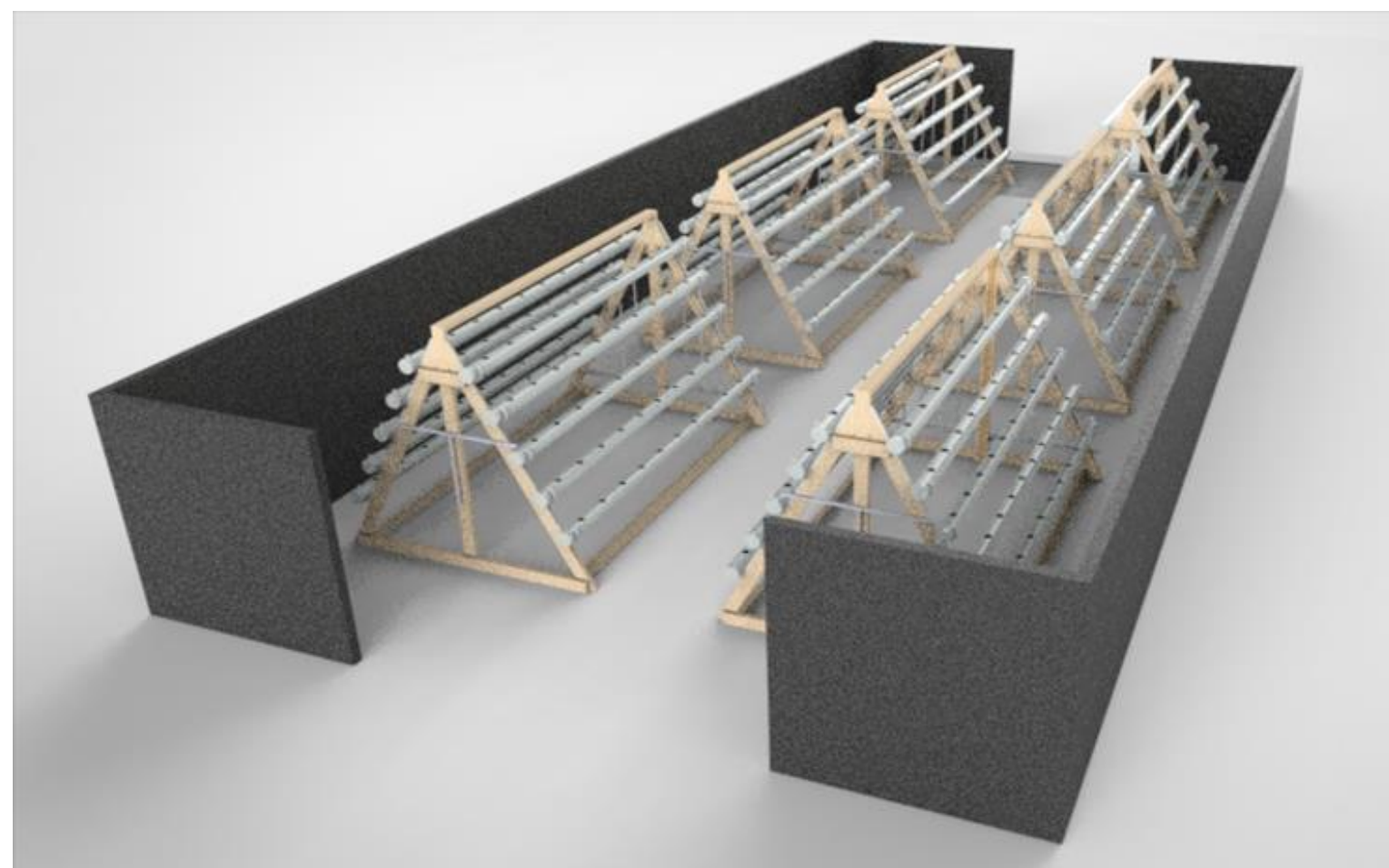
# Empowering Communities Worldwide: EWB-NCSU's Sustainable Water and Energy Solutions

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## North Carolina Projects

### Project Overview:

- **Partnership:** Collaborative effort between the EWB-NCSU North Carolina Projects team and Inter-Faith Food Shuttle (IFFS) in Raleigh, NC.
- **Objective:** To design, implement, and continuously monitor six modular hydroponics systems.
- **Location:** These hydroponics systems will be installed in a specially designated greenhouse at the Inter-Faith Food Shuttle Farm in Raleigh, NC.
- **Purpose:** Introduce and promote sustainable growing practices within the Inter-Faith Food Shuttle Farm.



## Sierra Leone Renewable Energy and Water



### Project Overview:

- **Partnership:** Collaboration between EWB-NCSU's Sierra Leone Water (SLW) and Sierra Leone Renewable Energy (SLRE) project teams with the Browndel and Goshen schools in Freetown, Sierra Leone.
- **SLW Goal:** To establish consistent access to clean water.
  - Implementation: Drilling a new well at the school's entrance.
  - Additional Infrastructure: Installation of handwashing stations.
- **SLRE Goal:** To ensure reliable energy supply for the school.
  - Implementation: Installing a solar+battery system.
  - Purpose: Powering lights and computers.
- **Impact:** These integrated systems will significantly enhance the quality of life for the Browndel and Goshen communities.



## Guatemala Water Systems



### Project Overview:

- **Partnership:** Collaboration with the Caserio Panhux community and local NGO partner CeCEP.
- **Project Duration:** Six years (one assessment, three in-person, two remote implementation, and one monitoring and assessment trip).

### Achievements and Activities:

- **Water Collection Systems:** Implementation of 75 water collection systems for local family homes and one school.
- **Field Trips:** Undertaken one assessment, three in-person implementation trips, two remote implementation trips, and one monitoring and assessment trip.

### Project Conclusion:

- **Objective:** Officially transfer full ownership of the rainwater harvesting systems to the community, gather lessons learned, evaluate the project's success, and complete project documentation.