

# RICE UNIVERSITY CHAPTER ENGINEERS WITHOUT BORDERS

Implement tangible, sustainable, and impactful projects

Empower communities for long term growth

Develop students to become:

- Effective engineers
- Successful leaders
- Compassionate members of their communities



# DELIVERING WATER TO LUCIDIA MANTILLA

**Previous project success**

**Strong, clear vision for project team**

**Close relationship with community & ENACAL**

**Our foundation: Effective cross-cultural communication**

**Developed a strong, motivated team with help of industry mentors**

**Project statistics:**

- Pump station and control system, pipeline network, storage facility
- One year design implementation
- \$60,000
- 15 student engineers, 2 mentors



# MOVING FORWARD: SADRACH ZELEDON

## Project Goal:

Develop a water distribution system for Sadrach Zeledon which will deliver water directly to homeowner's lots.

**Population:** 1,200 people

**Total Elevation:** 75m



**August 2013**

**January 2014**

**Currently**

**January 2015**

**Implementation/  
Exploratory Trip:**  
Opened project

**Assessment Trip:**  
Signed MOU,  
Established  
in-country contacts

Completed all  
design and  
budget work,  
Continue  
documentation

**Implementation Trip:**  
Complete project  
implementation