

Recommendations for Future Teams:

Project Specific

- Consult experts more on plastic properties
- Refine cooling system to prevent warping
- Creating more than one mold to decrease cycle time
 - One mold can cool, while the other is in the machine
- Creating new molds for a useful product
 - Possibly a gutter or roof shingle design
- Using different materials for the frame of the device
 - Something lighter, the current frame is 2" x 2" x 1/4" and it is more than enough to support the device
 - Also, making the frame more detachable for easier shipment to Nicaragua
- A cover over the insulation
 - Designs were created, they can be found in the CAD model (hidden/suppressed in the 3D model)
- Waterproofing to device
 - At the very least the electrical system due to the humid conditions in Nicaragua
- Instructions to realign the device due to movement overtime

General

- Establish team management early on
 - Assign tasks and deadlines, review tasks that need to be completed at the end of each meeting so everyone knows what is expected
- Documentation throughout process
 - Take pictures, record data
- Update Edge during the phase
- Prototype and test feasibility early
 - Don't put off anything that can be done, only meeting twice a week can lead to things getting pushed off 5 days between meetings
- Purchase early on because shipping can become a problem
 - Also verify that parts have been ordered
- Find Gary early on and ask for design input and feedback