



AguaClara Research teams work on projects that expand our knowledge of fundamental hydraulic processes. This research allows us to refine and optimize the design of our gravity-powered water treatment plants.

## Research



The AguaClara Design Tool is free, open-source software that uses algorithms derived in Cornell laboratories to scale the AguaClara plant design to suit the size and needs of any community.

## Design

AguaClara engineers transform laboratory research and feedback from the field into continuous improvements in the affordability and effectiveness of each plant component.



## Invent

AguaClara at Cornell does not *build* water treatment plants, but rather creates sustainable designs that are affordable enough to allow communities to take control of their own water resources.



## Empower



The AguaClara Program was launched in 2005 as a collaborative venture between Cornell University and Agua Para el Pueblo, an NGO in Honduras. On a global level, AguaClara provides a novel, scalable approach to infrastructure design, integrating education, innovation and invention with sustainable implementation and empowerment.



Partners include NGOs, towns with AguaClara facilities, donor organizations, Cornell students, and Cornell University. Together these partners are working to create a lasting solution to the problem of how to provide safe drinking water to the estimated one billion people who lack access to this most basic of life's necessities.