Sustainable Drinking Water and Wastewater Treatment

AguaClara, Cornell University

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Project Goal

AguaClara Cornell is a student engineering team that is dedicated to inventing, designing and implementing drinking water and wastewater treatment technologies.

Fig 1. Aguaclara Cornell at lab session.

Our Design

Electricity-free

Sustainable

Locally-Sourced

Customizable

Low-cost

Fig 2. One of the AguaClara Water Treatment Plants in Honduras under construction

AguaClara - Drinking Water Treatment

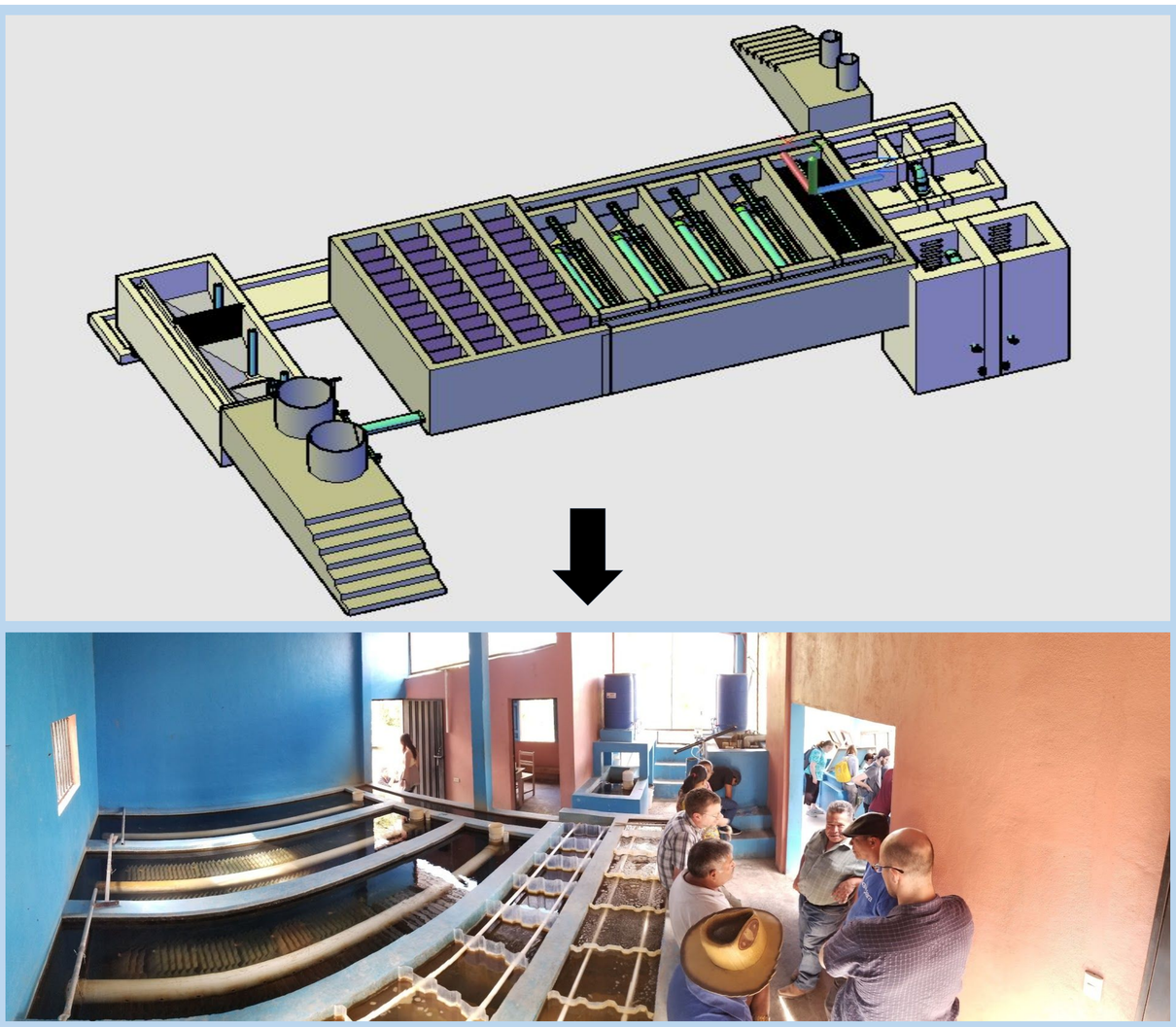

Fig 3. Aguaclara plants modelled and built in Tamara

Supporting People, Planet & Prosperity

Fig 4. Honduran community members using clean Aguaclara treated water

Fig 5. Map of drinking water plants constructed by Agua Para el Pueblo using Aguaclara technology

16 AguaClara plants

3 countries

80,000 people currently getting clean, safe tap water from our plants

Treating Wastewater: Gravity-powered UASB Reactors:

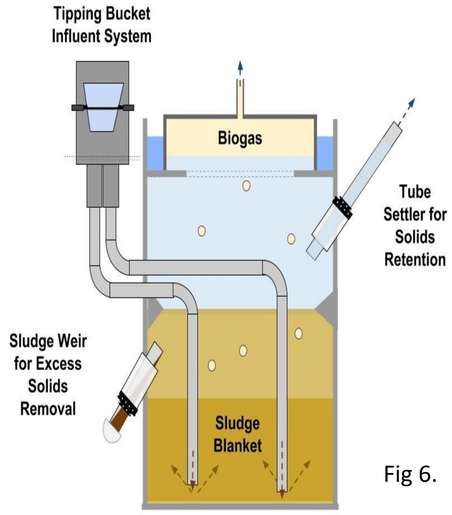

Fig 6.

Fig 7.

Fig 6. How an Upflow Anaerobic Sludge Blanket (UASB) Reactor works to treat wastewater. Fig 7. CAD model of a small-scale reactor AguaClara is currently fabricating

Acknowledgements

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Contact Us

Follow our progress and learn more about the project through GitHub at **https://github.com/AguaClara/UASB.**

To learn more about AguaClara in general or to contact us, visit our website at **aguaclara.cornell.edu**

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