THE PROBLEM: Our team is looking to design a home water treatment system for a missionary family in Ecuador. The municipal water that they currently use contains harmful chemicals and bacteria. It is also inconsistent in both water quantity and pressure.

THE CLIENT: Chet and Katie Williams have been missionaries in Shell, Ecuador for 18 years. They live in and operate a mission house that is used as a school, workshop, and dormitory. They work with the people of Ecuador to teach marketable life skills and share the Gospel.

THE SOLUTION: Our solution will utilize a combination of water filtration and disinfection; with techniques such as slow sand filters, end of line filters, chlorination, and UV treatment.