



We create Food Growing SYSTEMS to feed the world.



MISSION PROJECT 8:

LOW-COST CHICKEN COOPS

Overview

The development of the poultry sector in sub-Saharan Africa is constrained by factors including diseases, the cost of bird housing, the high cost of feed, and the difficulty in providing correct chicken nutrition.

WHT has developed a closed-loop system that we believe can involve more families and communities in the chicken rearing business. Our modular chicken coop design is currently in development. It primarily uses sustainable materials sourced locally and is partnered with a program to grow the vast majority of the chicken food on-site using materials and seeds we supply.

More chickens mean more healthy food.

Our Mission Statement

World Hunger Team seeks to improve the health and well-being of people in poverty by enabling access to organic, sustainable nutrition and safe, clean drinking water.

About Us

World Hunger Team, founded in 2009 in Nashville, Tennessee, answers Jesus' call to 'Feed my sheep' by creating food systems in underserved areas.

In Namalemba Village, Uganda, we funded a 7-acre research farm and maize milling operation, along with cultivating various crops and raising livestock.

Solution

Build low-cost chicken coops using locally grown bamboo, low-cost fabric panels sewn by local artisans, and ordinary PVC connectors.

Many high-tech solutions for poultry raising are now available at low cost, bringing winning technology to new areas.

Current Programs

The biggest challenges facing potential chicken farmers in sub-Saharan Africa are a) Money, b) Delivery, and c) Experience.

At WHT, we believe we have solved these issues. We have designed a super lightweight modular chicken coop that can be AIRLIFTED to any cellphone coordinates using a commercial drone. The key construction material is bamboo, used to frame the structure in modular 1-meter-square panels. The corner connections are standard PVC joints, and the panels are made of machine cloth, which is essentially heavy wire mesh with a plastic coating strong enough to withstand predators like foxes or wolves.

The walls in the nesting area will be made from bamboo lengths locked together into a plank. This material will also be used to create the ramp to the nesting area and the doors.

Our goal is to bring each 10-12 bird coop in at a cost of \$200 before shipping.



Bamboo is one of the fastest-growing plants on earth. It is remarkably strong and can easily create a sturdy and secure chicken coop structure.



Corner connectors are standard off-the-shelf PVC piping. A strong epoxy glue is used to bond the bamboo poles to the connectors, creating a very durable 1-meter square panel.

Our Ask

Our goal is to secure funding for establishing the Uganda-based factory to assemble these units. Subsequently, we will wholesale them to the largest chicken companies for distribution to the end customers. We are actively seeking funding and business associates to implement this project.