

## Improving shrimp farming using nanotechnology.

### The global shrimp market is huge.

Shrimp is a USD \$45 billion dollar market. Most shrimp aquaculture happens in Asian countries, such as Thailand, Indonesia and Vietnam. In these countries, the process for raising shrimp has stayed the same for a large number of years. However, it is not very efficient. Many shrimp fall victim to diseases and shrimp feed is often wasted, resulting in lower profits. Worst of all, it has tremendous environmental impacts - often, it is necessary to clear out mangroves, which are an essential part of the environment.

### Using nanotechnology, NanoShrimp is solving this problem.

Utilizing nanotechnology, we can solve these problems. NanoShrimp aims to help shrimp farmers be more efficient by utilizing nanotechnology to prevent the infection of shrimp before it happens. In addition, nanotechnology will be used to increase the amount of food actually used by the shrimp, so that less food will have to be given. Most importantly, NanoShrimp will give back to the environment.

### Impact

There are over 50,000 shrimp farms in the world.

Our solution helps the owners of these farms to increase profits, so that they can support their family and empower the community.

### How NanoShrimp Helps Farmers

#### Identify the Problem

First, farmers have to decide what types of problems that they would like to fix in their farms. They have to analyze what problems exist in their farms in order to purchase the best product to purchase for themselves.

#### Navigate the Website

After deciding what type of problem they would like to fix, farmers can visit our website to purchase the specific nanotechnology that they need to help their farm.

#### Input of Information

Farmers will input information about their farm, such as the farm size and the amount of shrimp grown, so that we can best tailor our products to that specific farmer.

#### Delivery of Product

After the order, our company will deliver the nanotechnology to the farmers. They will receive instructions in their native language on how to effectively utilize the product.

#### Quality Assurance

After the farmers use the nanotechnology, ask customers about how the product is working out for them and see what feedback you can get. This is essential to improving our products.

#### Restoring the Environment

For every 100 dollars spent on our website, we will help to restore the mangroves. This will contribute to our company's goal of helping the environment. We will work with villages in an effort to help their mangroves prosper once again.

