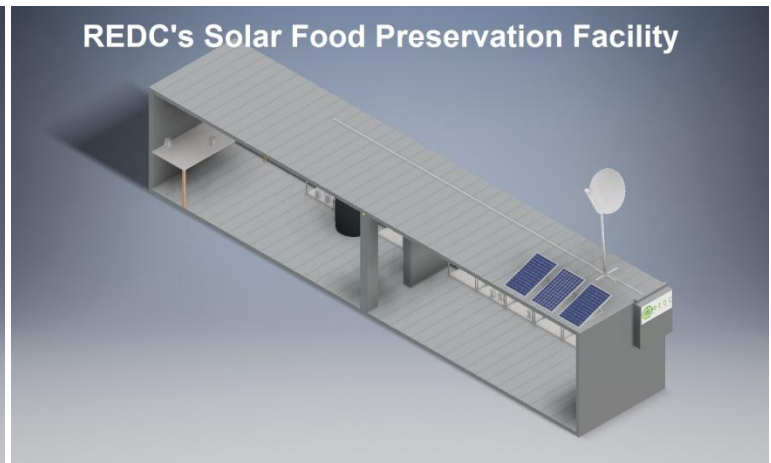
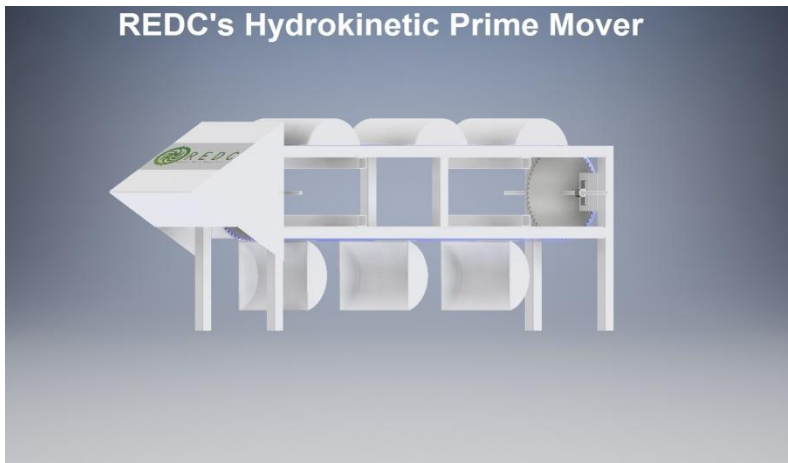




## Capabilities Statement

***REDC invents and manufactures clean energy technologies that help solve some of the world's most pressing issues today. Our technologies serve the needs of those in developed and developing nations. We tackle difficult problems, such as; climate change, malnutrition, food security, irrigation, rural electrification and clean water.***

NAICS Codes: 22111, 335220, subsector 335



**REDC's Hydrokinetic Prime Mover:** converts the hydrokinetic energy from flowing water into mechanical energy with little to if any impact on the environment. The mechanical energy is used to pump water uphill for energy storage and irrigation. Water current is deflected by the fender into buckets and away from the returning collapsed buckets. The buckets pull a chain around sprockets, which turn a set of gears and a shaft. The shaft is connected to a centrifugal pump for uphill water pumping.

Rural communities that are located close to flowing rivers and mountains now have the ability to create reliable, carbon-free energy 24 hours a day with our Hydrokinetic Pumped Energy Storage System. Dams become more efficient by recouping waste energy for reuse. Small-scale farmers in developing nations now have the ability to irrigate 24 hours a day, 365 days a year.

**REDC's Solar Food Preservation Facility:** (SFPF) preserves nutritious foods long-term for small-scale farmers in developing nations without needing access to electricity. The SFPF comes equipped with a walk-in cooler for short-term storage of nutritious foods. The glass jar canning room helps farmers create new products for their businesses. The preserved, fresh food provides community members with low-cost, nutritious food year round. Pregnant and nursing mothers can now provide their children with the proper micronutrients a growing body requires.

