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Young Moon

*Bringing you
tomorrow's vision,
today.*





Water. Power. Capital.

The Food-Energy-Water Nexus

Our mission is to provide sustainable food and clean water and energy resources to coastal communities and disaster-stricken areas in order to pair economic prosperity with human and ecological health. The food-energy-water nexus tells us that there is no place in an interlinked world for isolated solutions. If the world is going to reduce hunger and eradicate poverty, then achieving security for water, energy, and food is vital. This challenge is becoming even more critical with climate change. The nexus will be the medium by which we will address much of its multiple human impacts.

Proven water treatment, purification, and seawater desalination technology

Whether the water problem you're solving is for disaster relief, disaster recovery, or smart sustainable development, we outfit you with the right solution. We deploy to your project site at zero cost to you. We charge competitively for the freshwater supply we produce.

Whether you need only few hundred gallons per day or hundreds of thousands of gallons per day, we have rapid deployable technology we can airlift to your site.

We use leading industry technologies, including 20-micron sediment filtration, carbon filtration, ultrafiltration membranes, ultraviolet radiation, and reverse osmosis to produce clean, drinkable freshwater at any scale — from 720 gallons per day, all the way to 250,000 gallons per day.

Proven restorative food production technology

We provide sustainable containerized hydroponic farming and polyculture vertical farming technology that ensures local food production, while also sequestering carbon and nitrogen, and rebuilding reef ecosystems. We produce both sea vegetables and land-based plants. We sequester both carbon and nitrogen, which we repurpose as fertilizer and animal feed. Using native vegetable species, we enhance the capacity of local communities to rebuild local flora and natural reef systems that protect coastal communities from violent storms. We provide tools for the blue-green economy which promises to be a vital component of sustainable development, especially in coastal communities.

Rugged, rapid deployable, and customizable solar and wind micro-grid solutions

We offer a variety of rugged micro- and pico-grid solutions to meet your off-grid renewable energy needs. We can customize solutions whether your off-grid power needs arise from disaster relief, disaster recovery, or smart sustainable city development.

We use rapid deployable 50kW wind and solar energy generators. These machines fit in a standard 20' or 40' ISO shipping container, and could be sheltered according to your space and local conditions.

Surplus power can be stored in a variety of mediums, including the conversion of air-to-water and biomass-to-hydrogen.

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