Like the mitochondria within complex cells, the power house breaks down organic wastes and converts them into readily-available 120 volt AC power that can be readily utilized by the rest of the systems. Solar energy is stored in a battery bank and converted into power, and that initial heat is used to start the process of breaking down biomass.

The plans and files required to replicate each part of the system are continually updated and improved by research crew, broadcasting out and uploaded to the internet for peer review by independent replication.

In the recycling center, wastes are sorted into bins by type. Burnable organic wastes are sent to the power plant to become biochar and energy, while recyclable plastics are shredded and sent to the workshop to be made into new plastic objects.