



Networked Sensors and Automated Controls

Light Controller

Digital control of artificial light
(sole source, supplement
sunlight, recreated daylight
cycle)

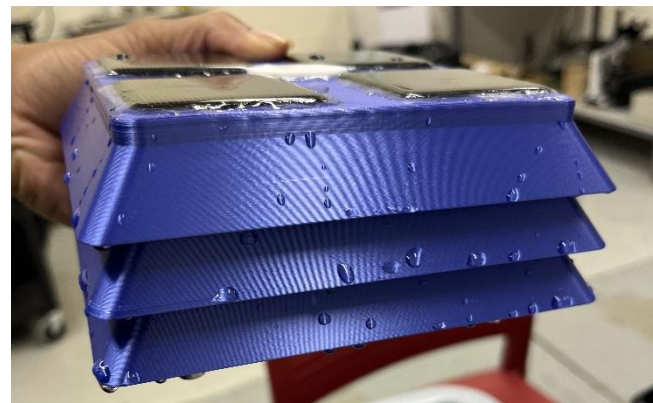


Weather Station

Light, temperature, humidity,
pressure in a weather resistant solar
and battery powered case.

pH Control

pH control and EC monitoring of
nutrient solution for hydroponics
and aeroponics.



Networking

Sensors and controls are WiFi
enabled and communicate through the
Internet of Things (IOT). Data is
accessible and stored online. Controls
can be initiated upon measurements
taken by another device.

3D Printing

3D printing can provide custom parts
for cases, mounting brackets, mixers,
tools, mechanical components, etc.
Parts can be self-designed or
downloaded from repositories such as
Thingiverse and Github. Printing
services exist, but owning and
operating is more economical when
printing in significant quantities.



Project Github page