The Horticulture Camera

BECAUSE EVERY GROW ROOM NEEDS A LITTLE

Time Lapse Camera

Consolidated Horticulture Monitoring Systems do not Exist

- Users must:
  - purchase a lot of expensive equipment, each with their own plugs, digital interfaces, apps and sensors.
  - create a utility wall where the digital interfaces mount.
  - point a security camera at the utilitey wall in order to see whats going on remotely.
- Multiple:
  - Applications are required. You must log in and out of them to control the system remotely.
  - types of cameras, including time-lapse, and security cameras are being utilized already.

Introducing The Horticulture Camera

The Horticulture Camera’s, patented technology, is a first of a kind product in a new and untapped industry of horticulture cameras. Our goal is to provide the most intuitive, automatic, remote-controlled grow system ever. It will truly be a one-stop shop for total remote control and peace of mind.

WHAT DOES IT DO?

The Horticulture Camera:

- uses time-lapse photography as a timeline to record all atmospheric values, as well as soil and water conditions.
- is an automation system for growing plants that incorporates cameras for security purposes, peace of mind, and promoting the best gear through sharing the videos.
- monitors and controls the environment by giving and taking power away from the utilities based on Timers, schedules, thresholds, AI override, and manual switches.
- uses time-lapse photography and AI to detect issues as they develop, and then gives corrective advice.
- calculates NPK score automatically based on the various nutrients that are being used. The system will show you what to look out for to prevent damage to the crop. The system will look out for these tail-tail signs using its camera lenses.
- videos can be paused to see what happened at any given time in the plants life.

Device Consolidation

All of the devices that will be included and consolidated by The Horticulture Camera System

Multi Industrie Interest

Photography.
It creates high-quality time-lapse videos.

Big Ag.
It is adaptable and scalable to its environment.

Plant Biology.
It teaches people about plants.

AI.
It provides corrective advice.

Security.
It works just like a security camera system.

Integrated home systems.
It will be compatible with smart home systems.

QR Codes

QR codes will be used to scan new utilities and nutrients into the system via the THC application.

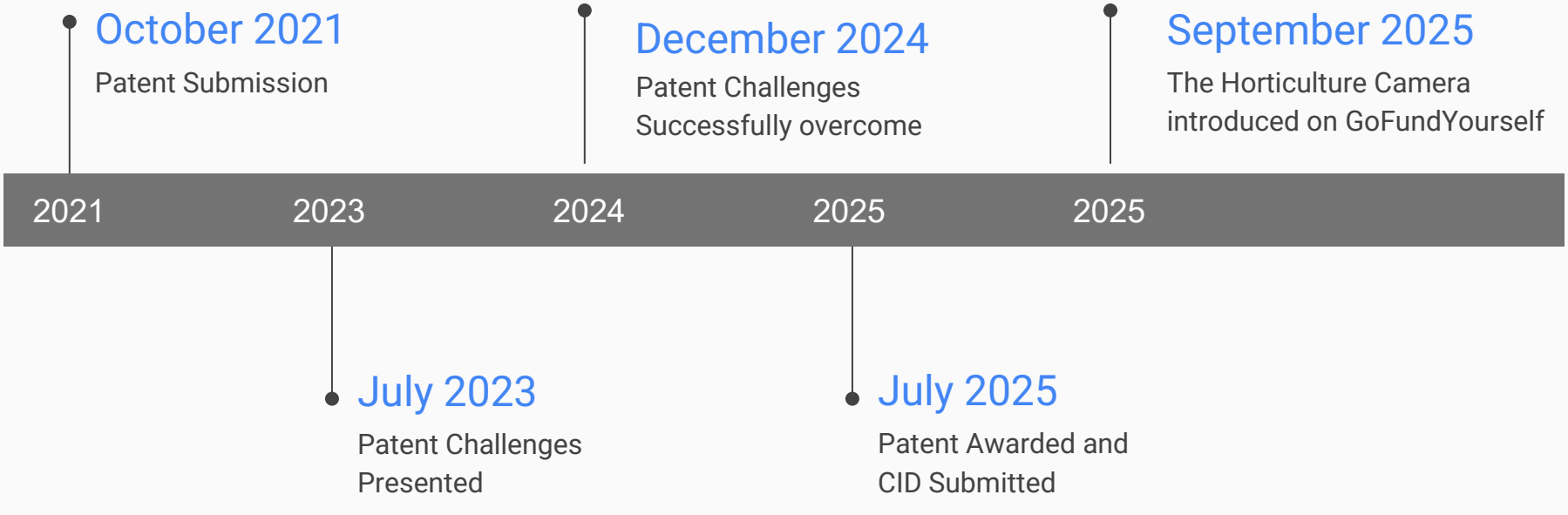
The system will automatically recognize the utilities and nutrients.

The system will know everything it needs to know about the products including wattage usage and NPK values. This is important so you don’t overdose your plants or overwhelm your electrical circuit.

The Type of production this will create

- 4K time-lapse videos that track and show atmospheric data.
- Users will have the option to share a slide at the beginning or end of the video that shows everything it took to get to harvest or the end of the video. This will promote the good stuff, and weed out the bad stuff.
- The slides will show
    - How much electricity it took.
    - What nutrients where used, and how much.
    - Witch utilities were used and how many.

Milestones


October 2021
Patent Submission
December 2024
Patent Challenges
Successfully overcome
September 2025
The Horticulture Camera
introduced on GoFundYourself
2021
2023
2024
2025
2025
July 2023
Patent Challenges
Presented
July 2025
Patent Awarded and
CID Submitted

A peek at some of the patent drawings

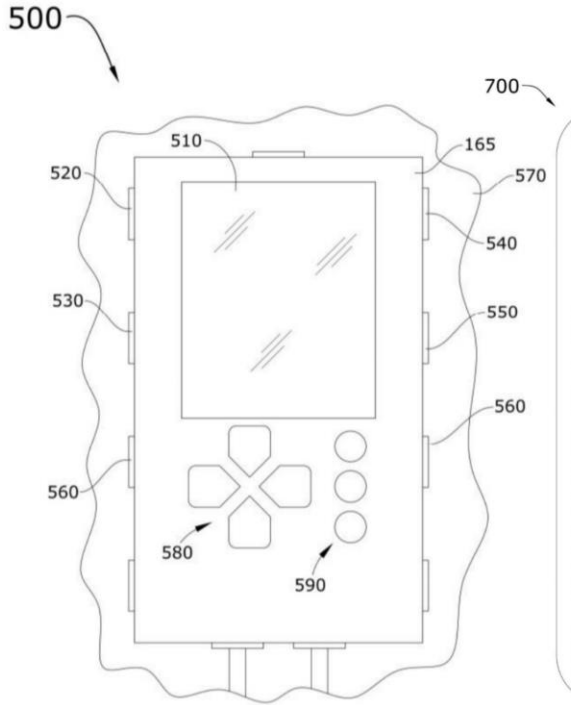


FIG.5

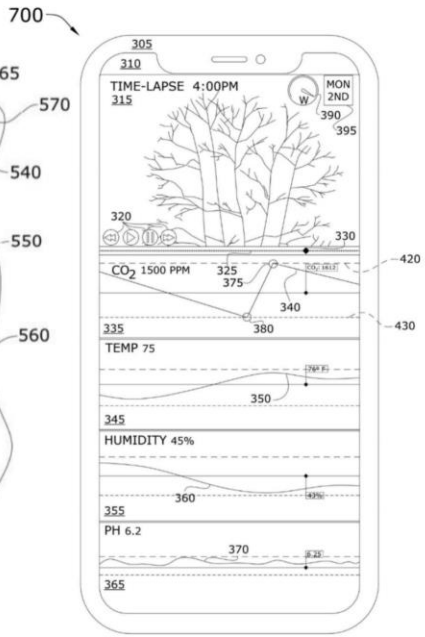


FIG.7

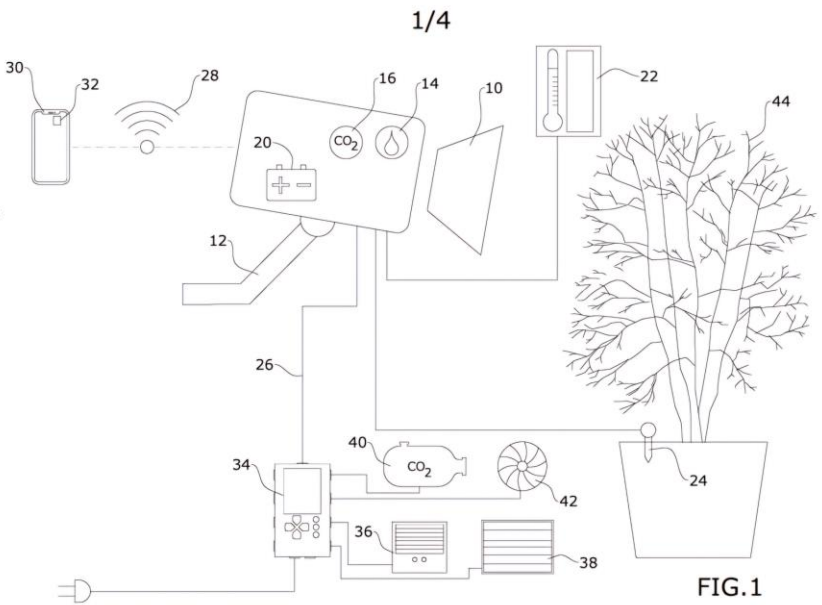
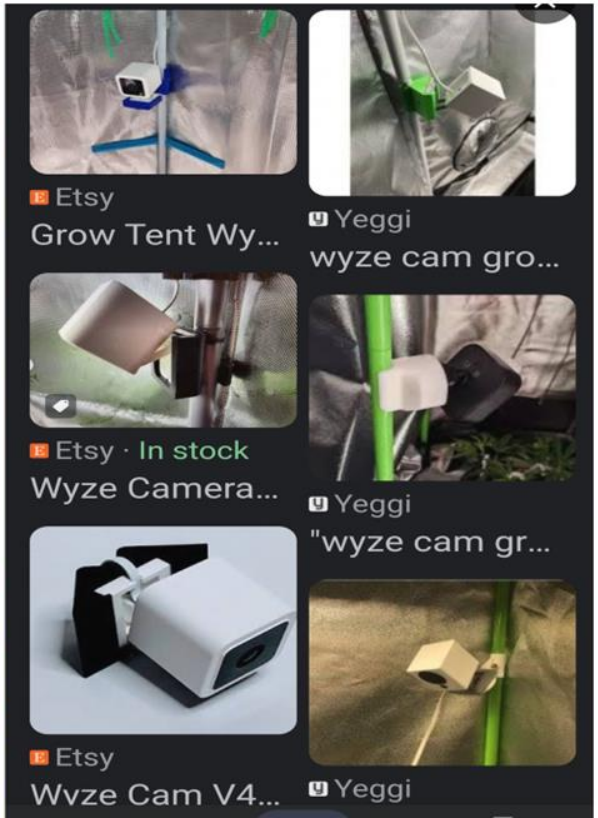


FIG.1

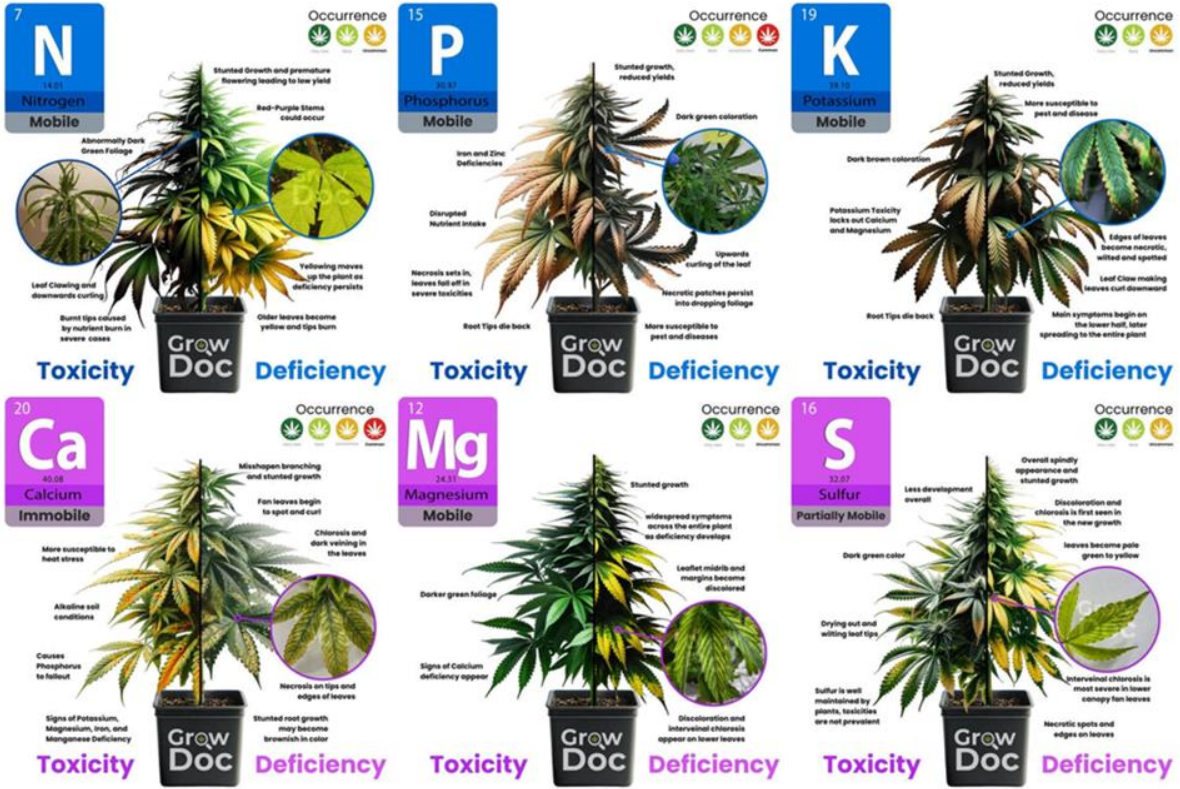
CAMERAS IN THE GROW



CURRENT SYSTEMS DO NOT HAVE ACTUAL HORTICULTURE CAMERAS

This is a web cam with Poor quality Time Lapse

EACH DEFICIENCY HAS ITS OWN TALETALE SIGNS



NPK or Nitrogen, Potassium and Phosphorus are the key essential nutrients that plants need to survive.
It is vital that these values get calculated properly.
The THC grow system will automatically tell you how much of each nutrient to use when mixing nutrients.

We are offering a 35% ROI on a 100k investment.
We are asking for a 2-year period.

Business Plan

As soon as we can, we will start prototyping. This will take about 6 months. We will prove the concept by putting the THC grow system to the test.
We use its own videos as proof of concept and share the video.
We get about 100 preorders and give those people lower cost incentives for 2.0 versions along with free updates and more.
Then we build units to sell.
The prototype will be shown at tech conventions, agriculture conventions, dispensaries and on social media outlets etc.
We will find youtubers to indorse the product.
We will also license the camera to other security camera companies and integrated smart home companies.