

fh

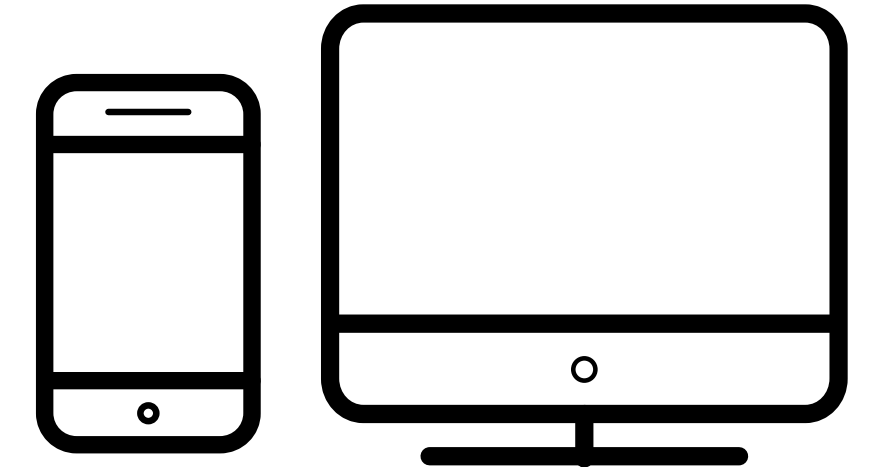
farmhand for Agrowtek

# CONNECT ANY AGROWTEK CONTROLLER



**farmhand** connects any Agrowtek controller, enabling secure remote monitoring, control, and configuration

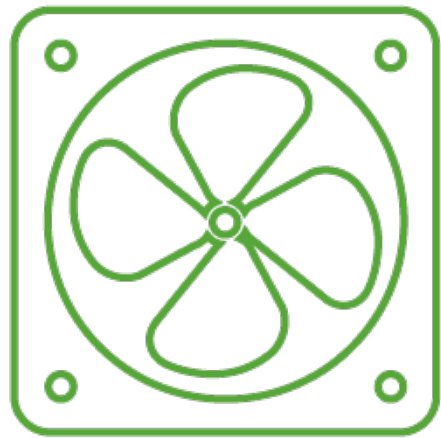
# HOW IT WORKS



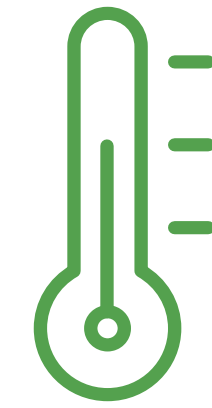
GC-Pro, GC-ProXL	farmhand hub	farmhand cloud	farmhand apps
<p>Up to 10 Agrowtek controllers can be connected to the farmhand hub</p>	<p>The hub monitors each controller every second for changes</p>	<p>Real-time and historic data is securely stored with farmhand</p>	<p>Commands are sent securely to the controller via farmhand's web or mobile app</p>

# EQUIPMENT & SENSORS

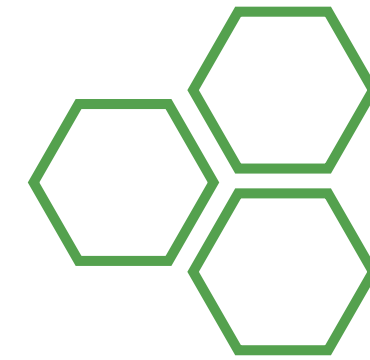
## OUTPUTS & INPUTS



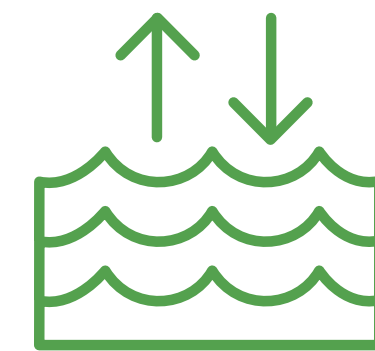
## CLIMATE & HYDRO



CO<sub>2</sub>

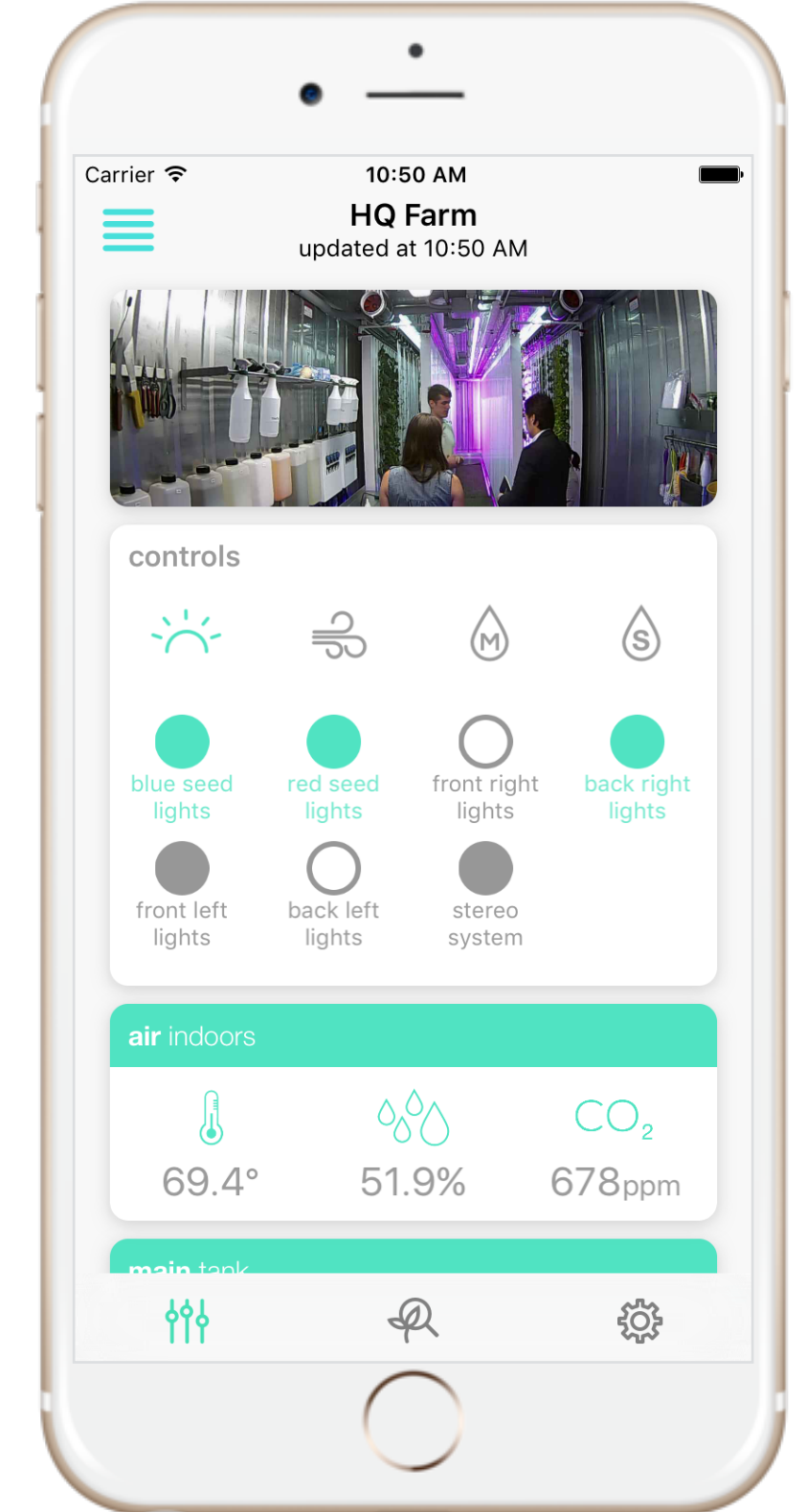
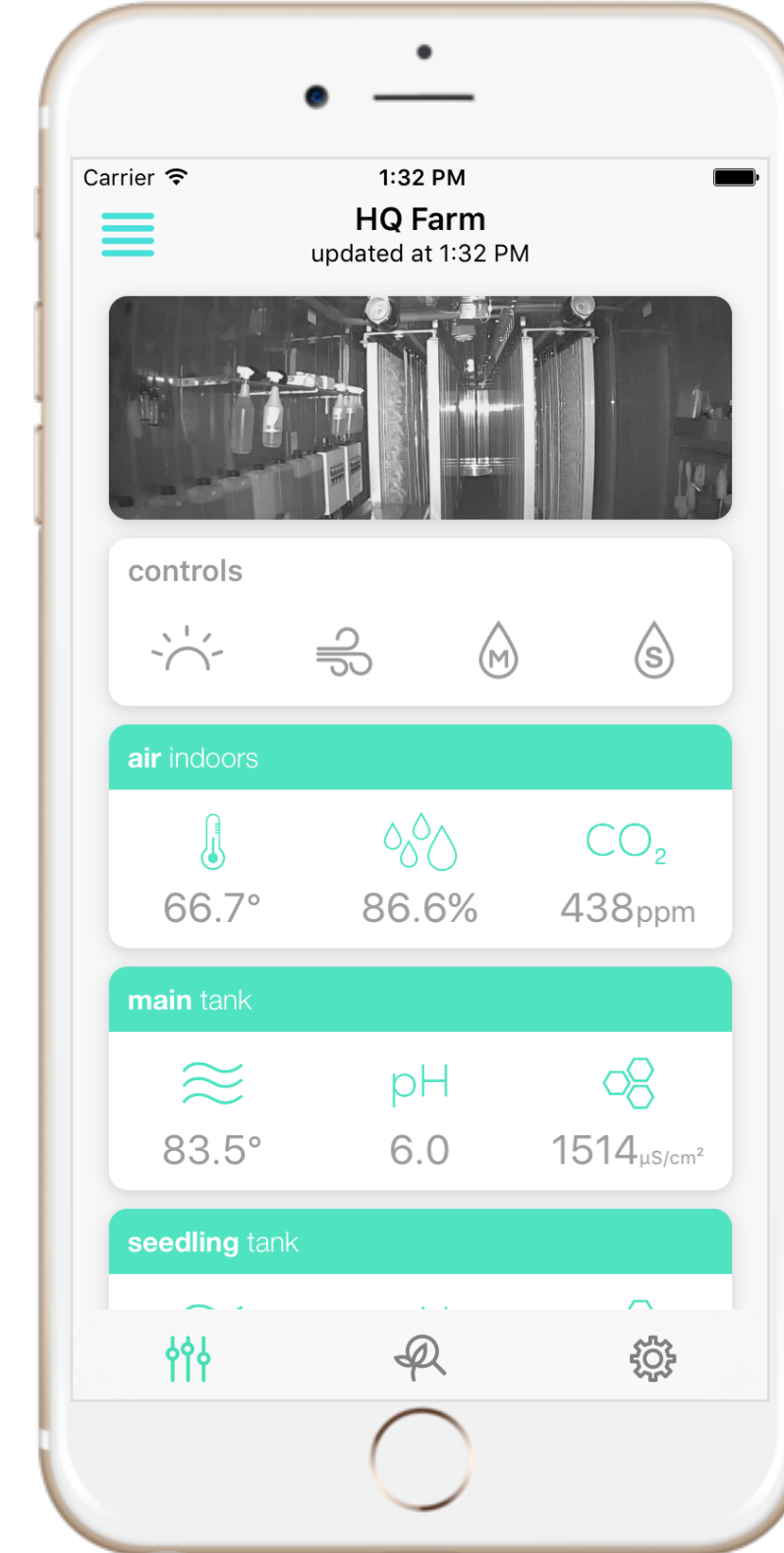
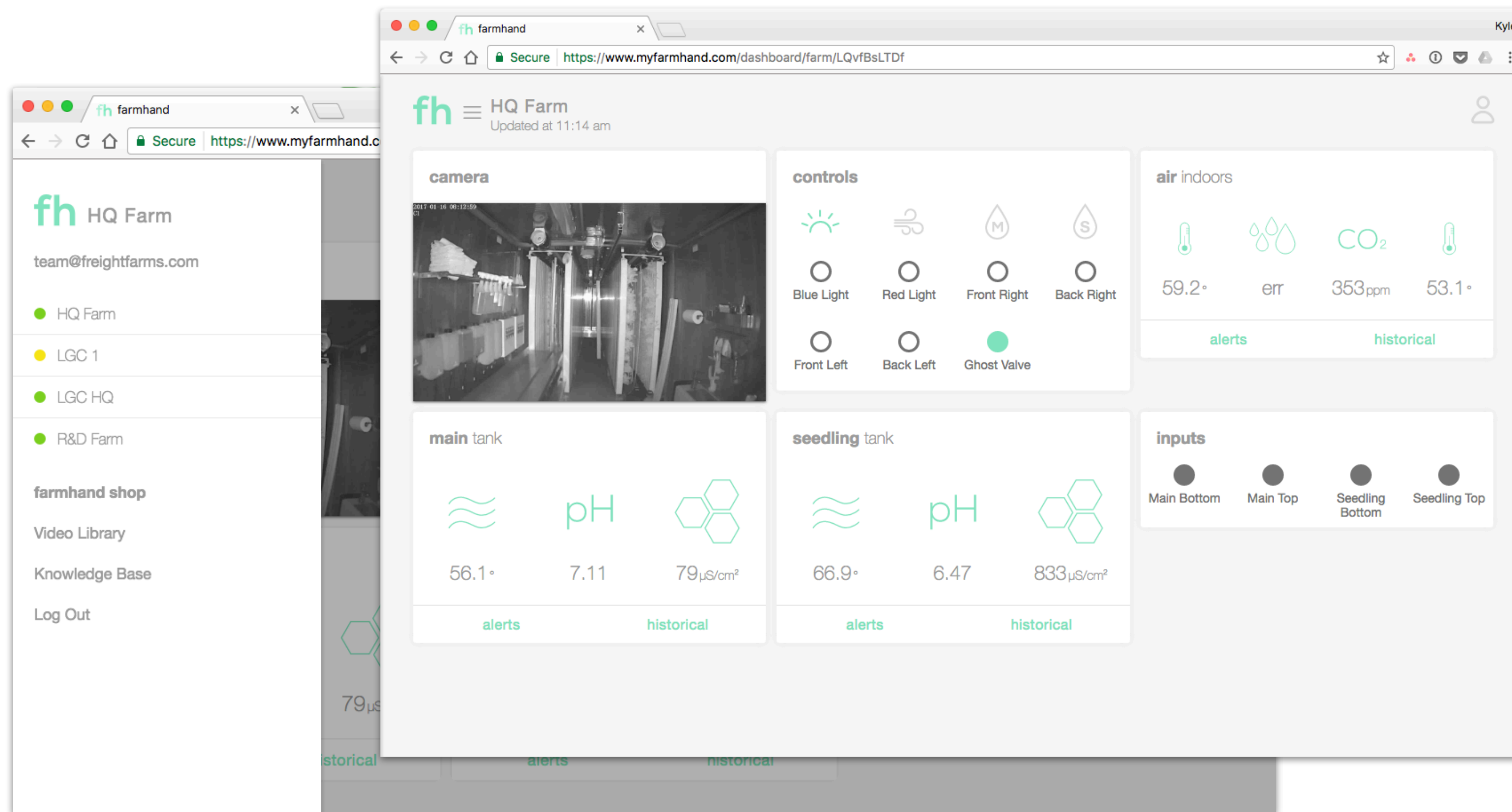


pH



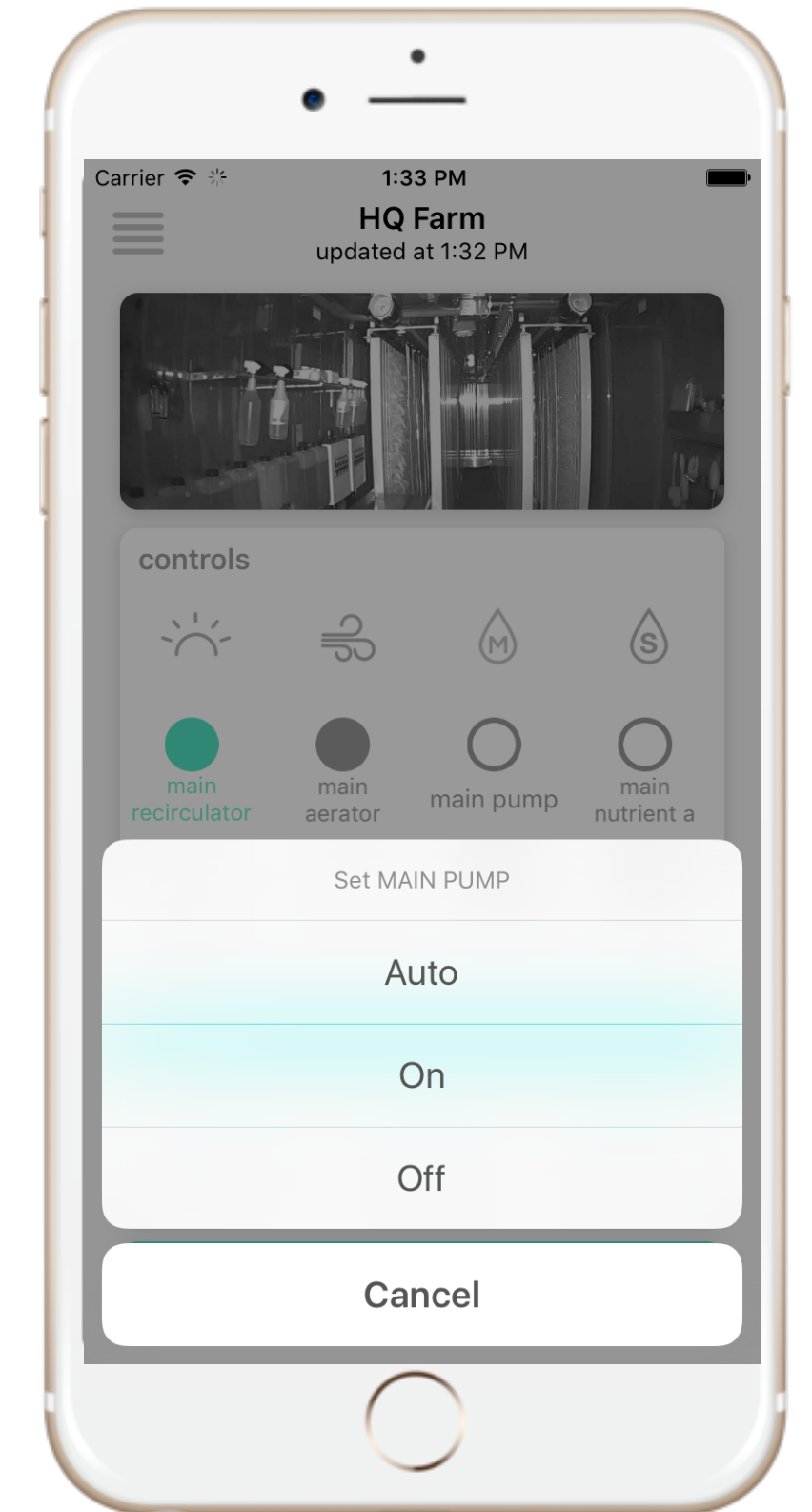
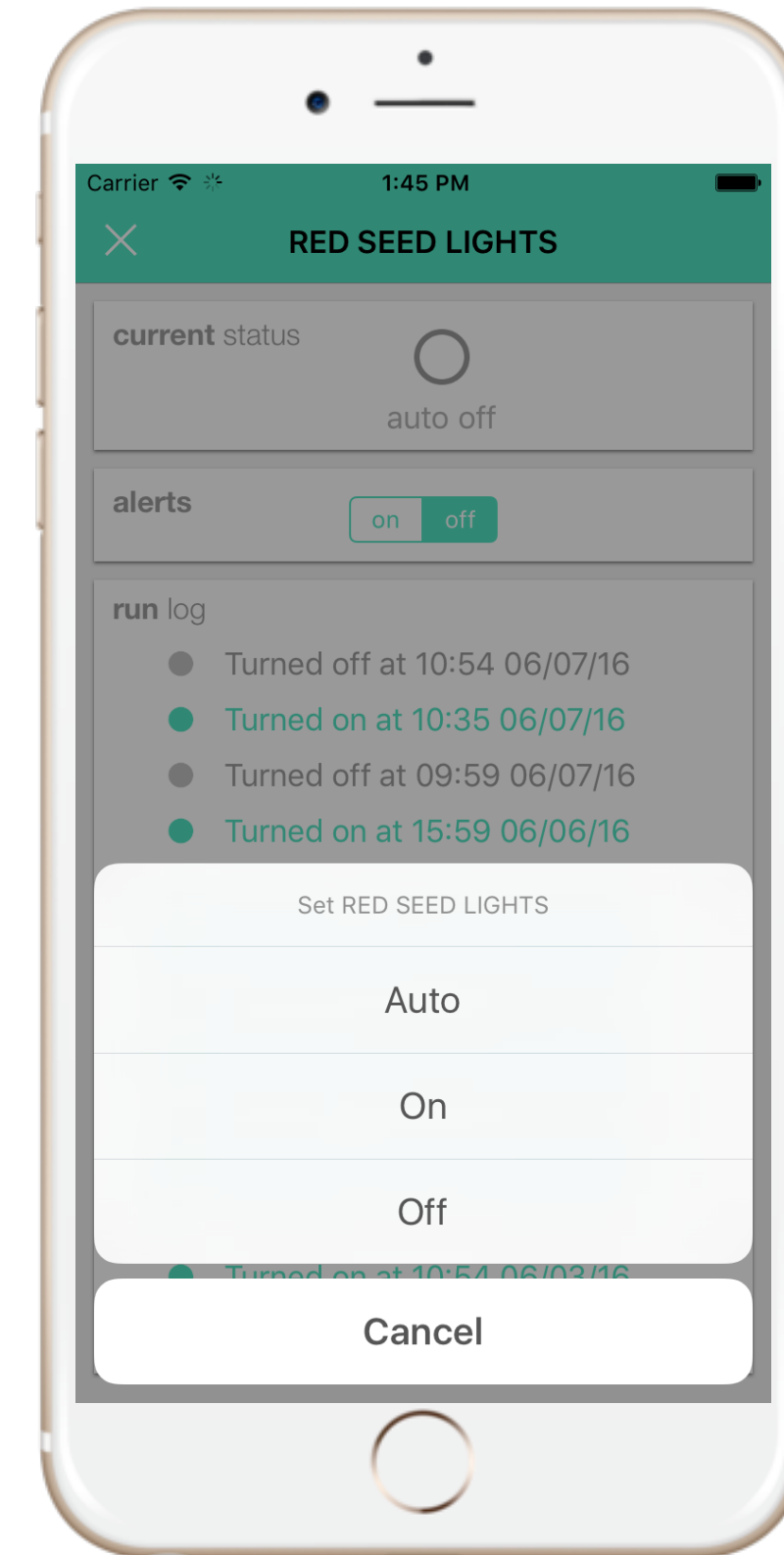
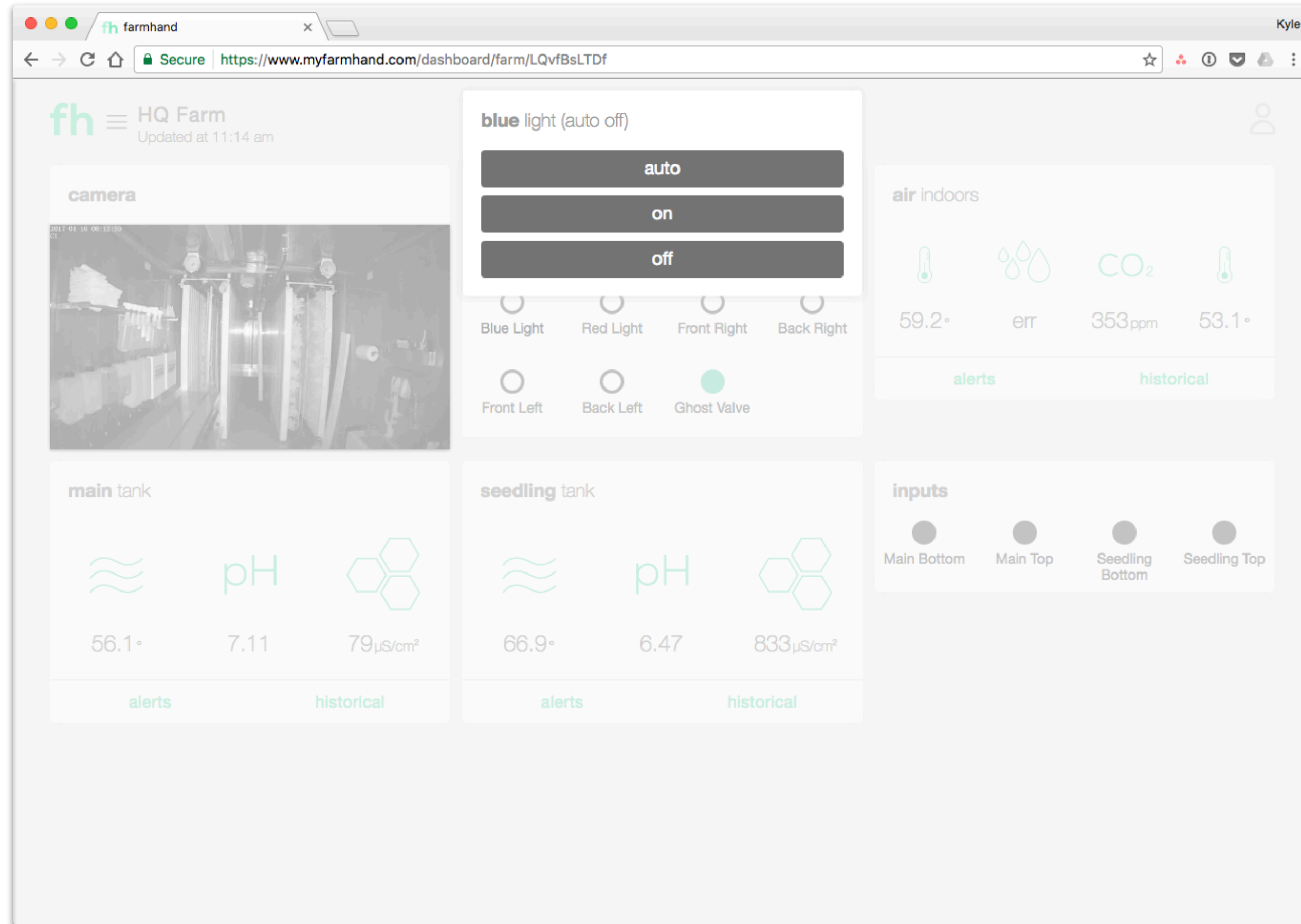
Automatic tracking and logging of all of your controllers equipment, inputs and sensors

# MONITOR



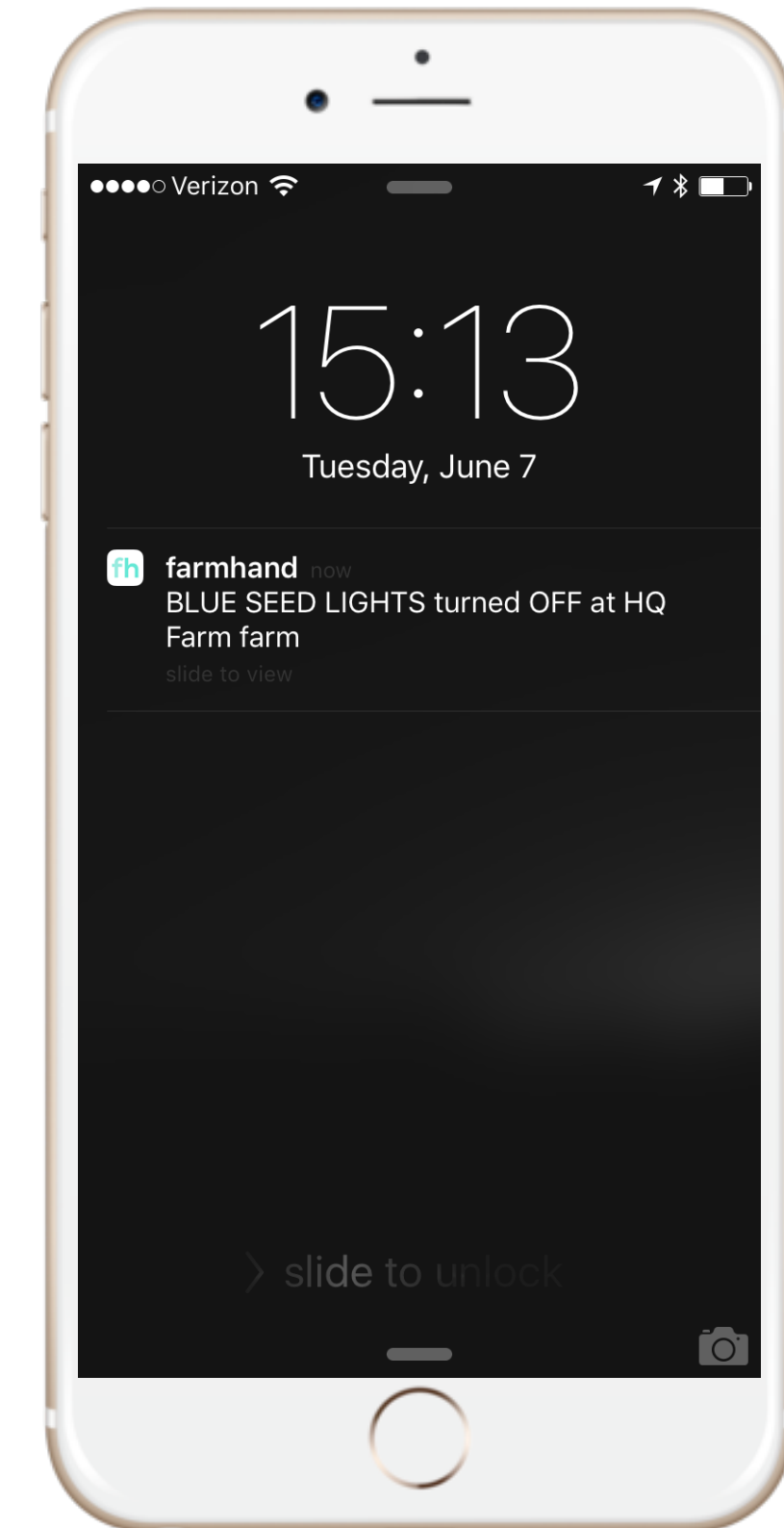
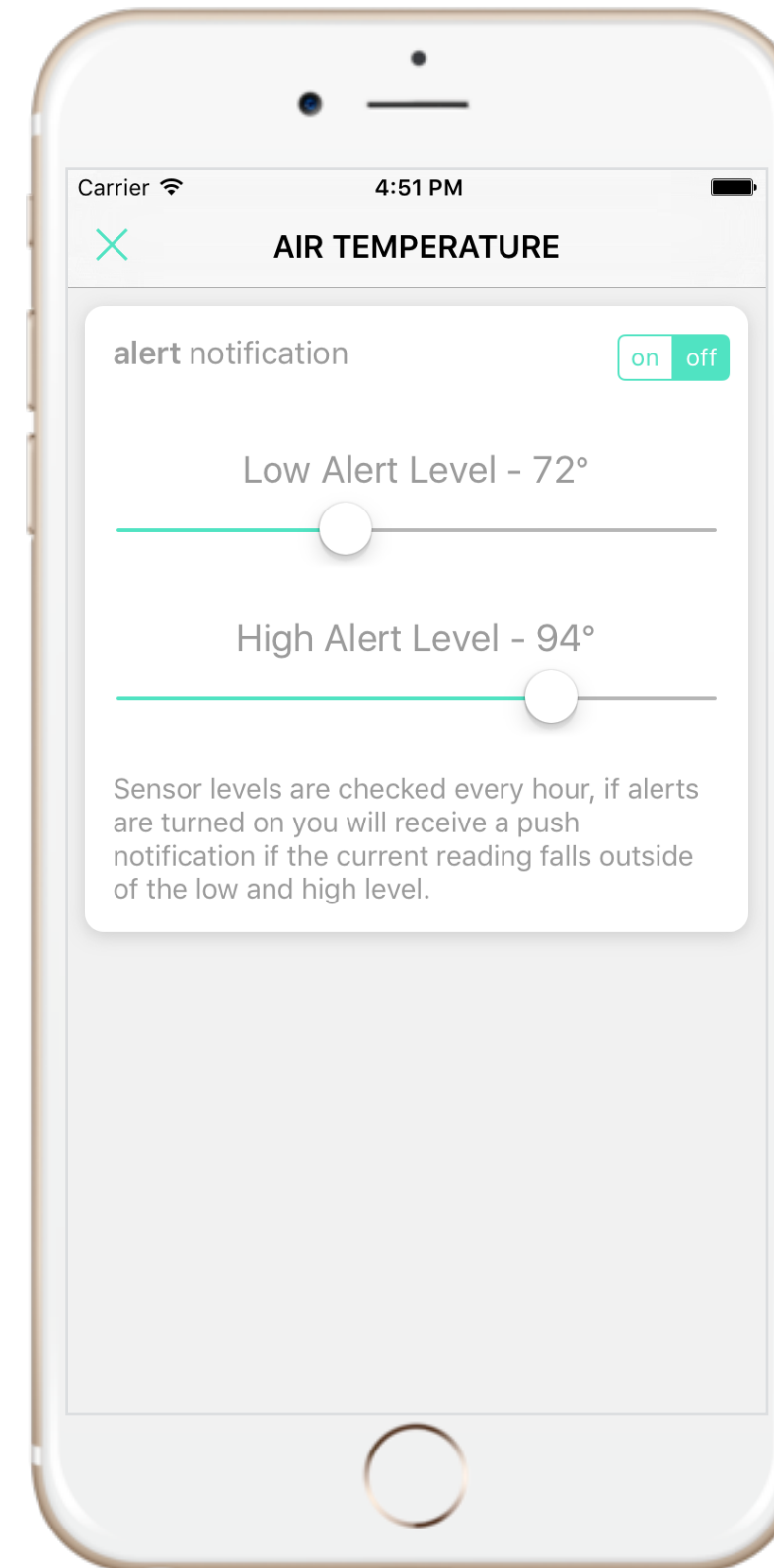
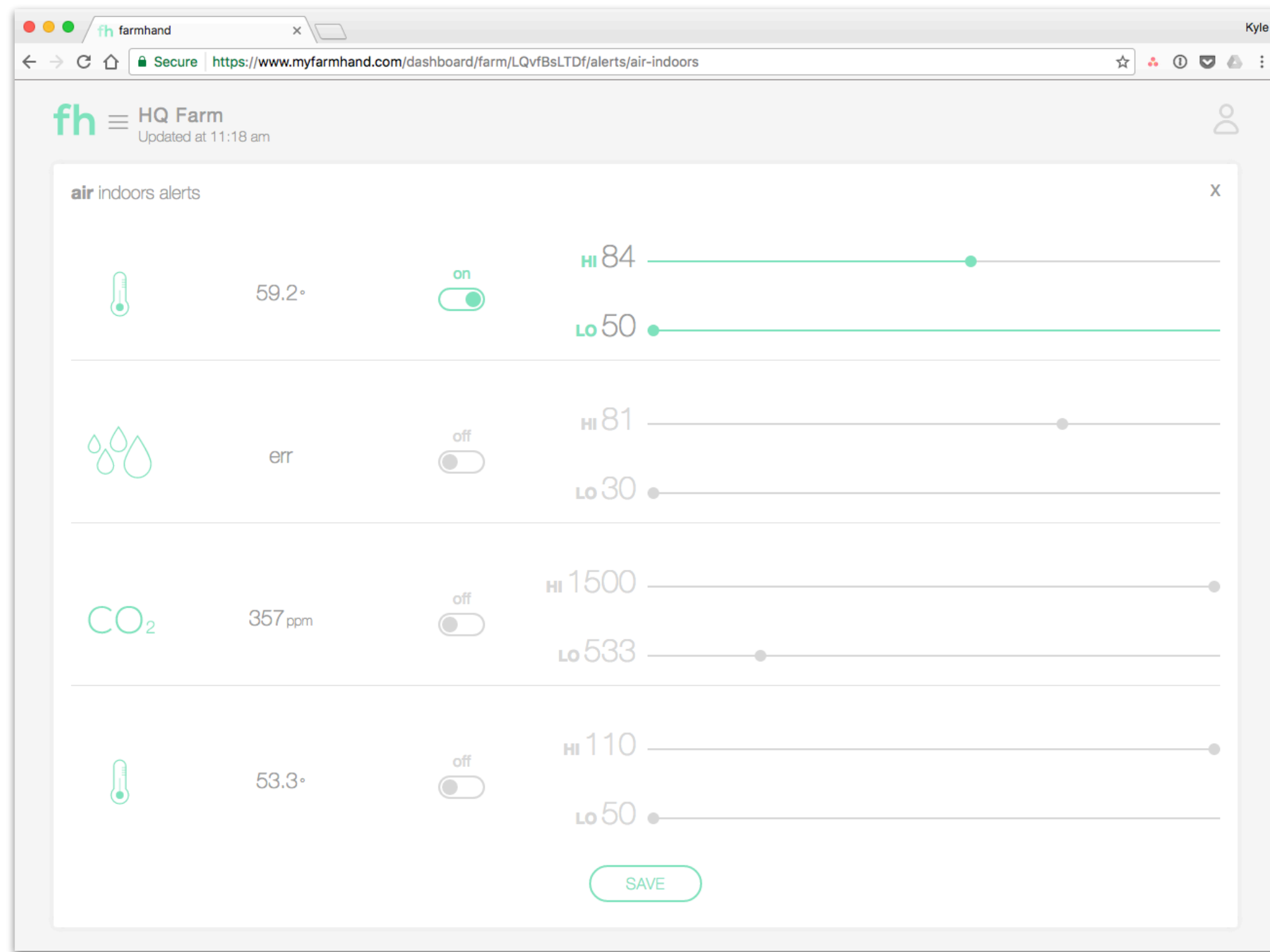
Real-time monitoring of sensors, outputs, inputs for each of your rooms from within **farmhand's** web or mobile app. Easily switch between rooms and controllers.

# CONTROL



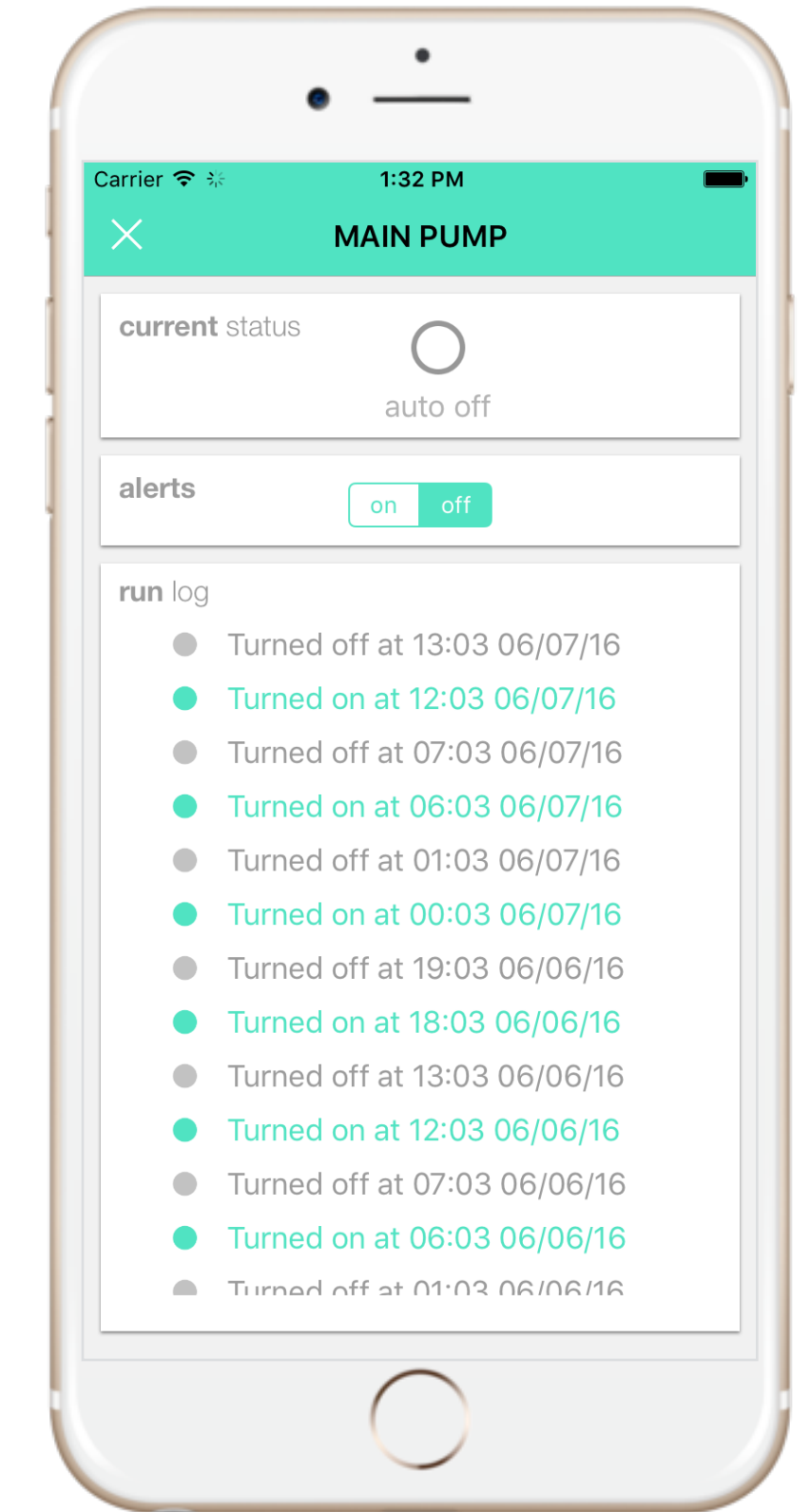
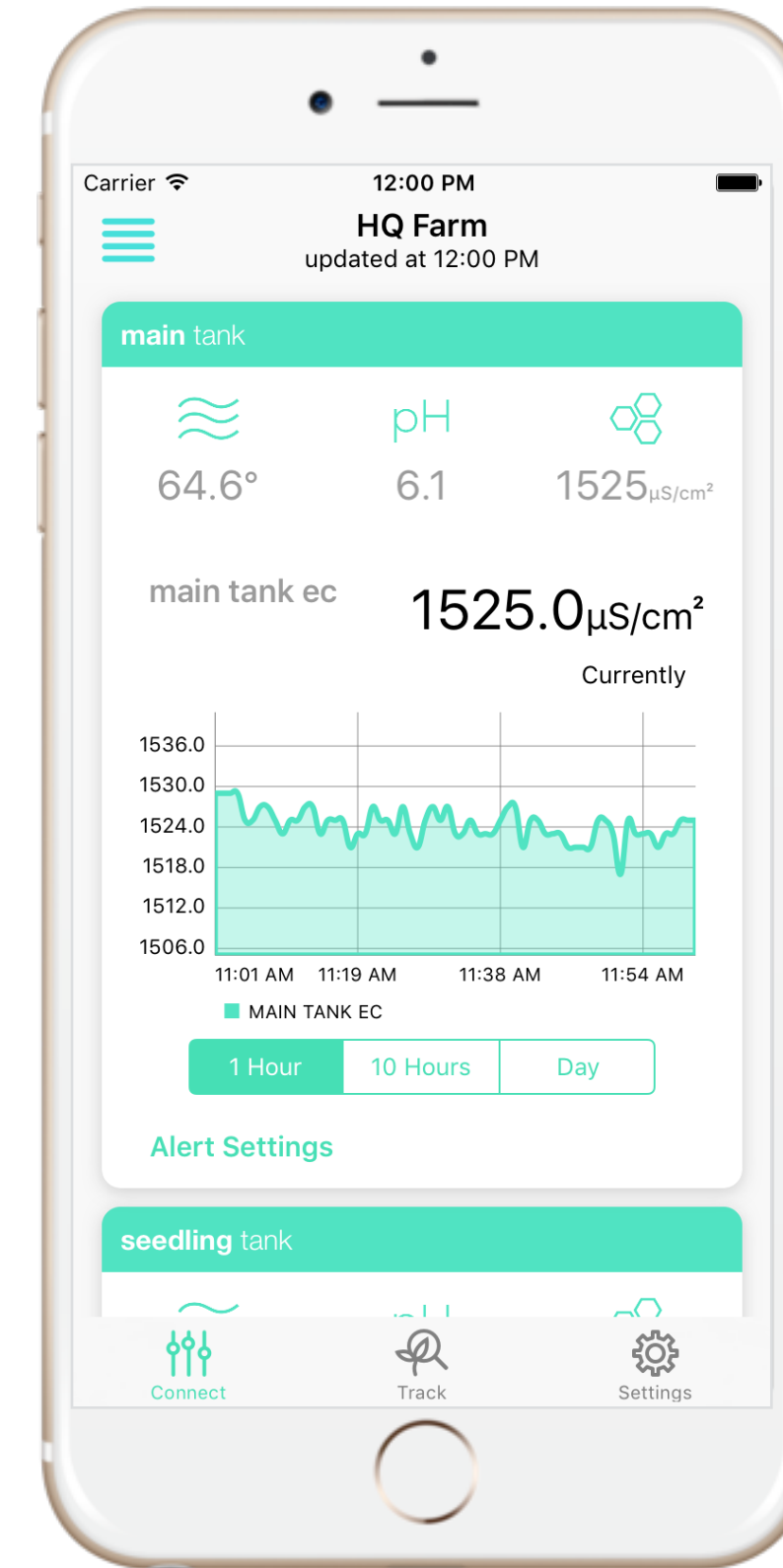
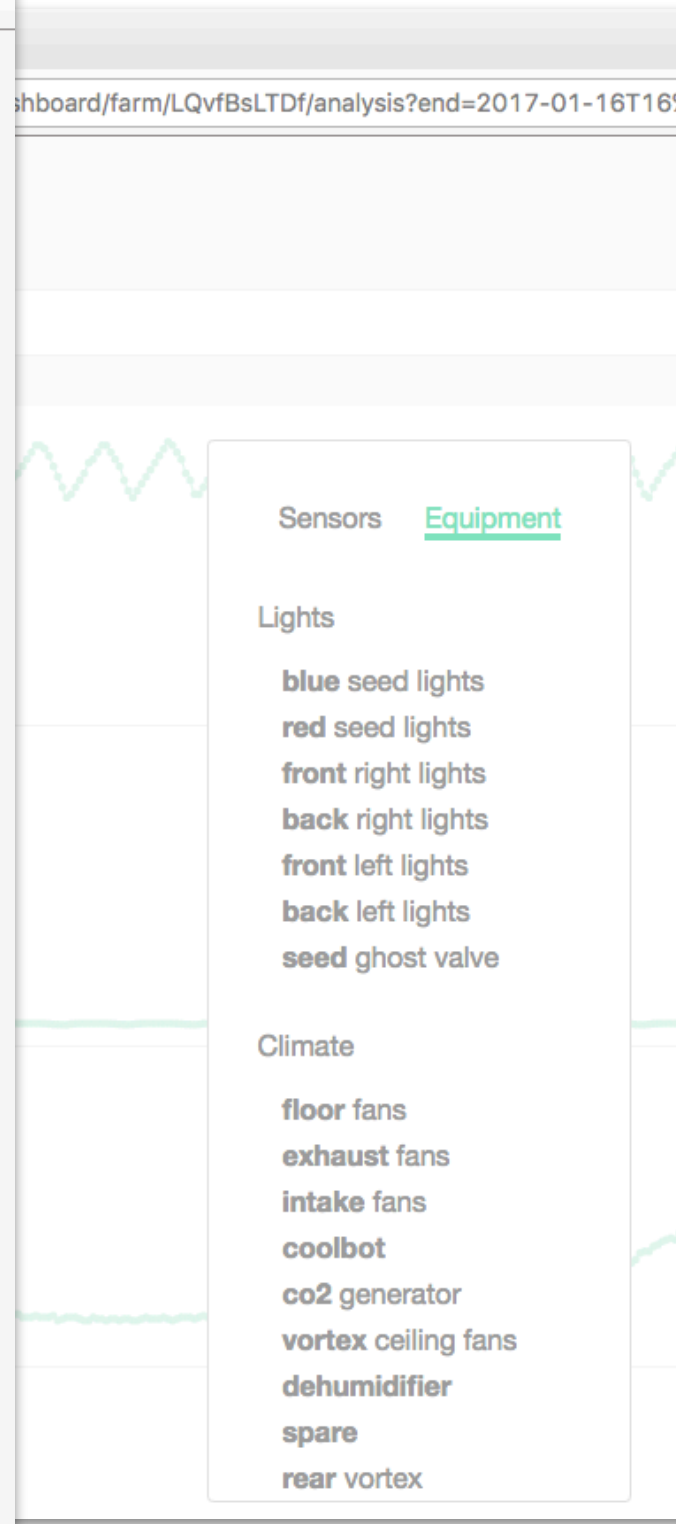
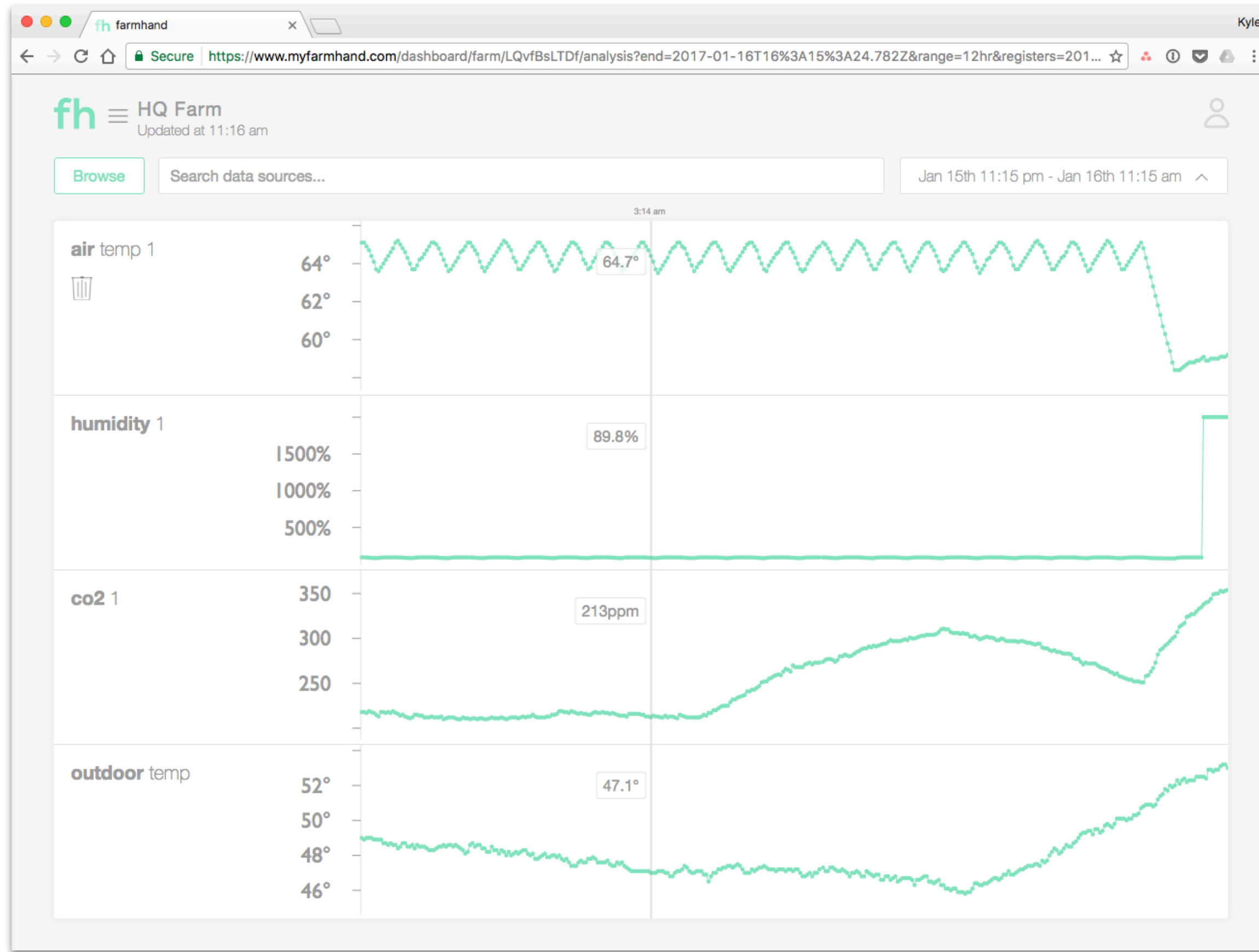
Remote control any of your grows equipment, setting it to on, off or auto

# ALERTS



Receive alerts for controller events such as outputs turning on or off, sensors outside of a set range

# LOG AND ANALYZE



View historic sensor readings and run log for all your grow sensors and equipment, for any time period



# PROGRAM

The screenshot shows the 'Day & Night Mode' configuration page. The left sidebar contains a menu with options: General, Controls, Switches, Zones, On/Off Delay, Cycle Timers, 24 Hour Cycle, 24 Hour Timer, Light Timers, Day/Night Mode (highlighted), Auto Dosing, Batch Dosing, Dosing Parts, pH, Thermostat, Humidistat, and CO2. The main content area has a title 'Day & Night Mode' and a toggle switch that is turned on. Below the title are two dropdown menus for 'Day Output' and 'Night Output'. There are three radio button options for 'Lights or Light Sensor': 'Light Sensor' (selected), 'Sync with Lights', and 'Both Sensors & Lights'. Under 'Light Sensor', there are two radio button options: 'Indoor' and 'Outdoor' (selected). At the bottom, there are two input fields for 'Day Light Intensity (W/m2)' and 'Night Light Intensity (W/m2)', and two buttons: 'Save' and 'Revert to Default'.

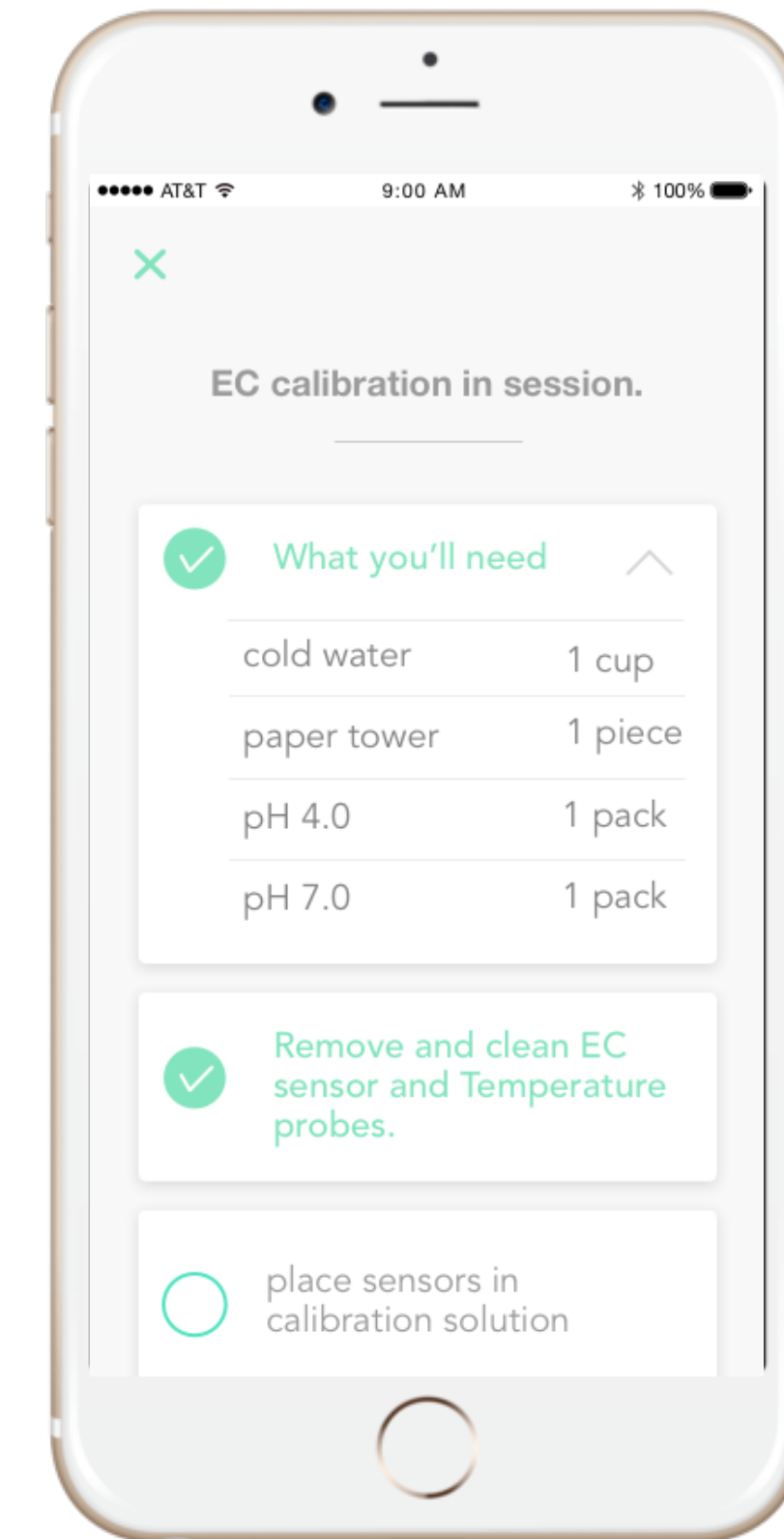
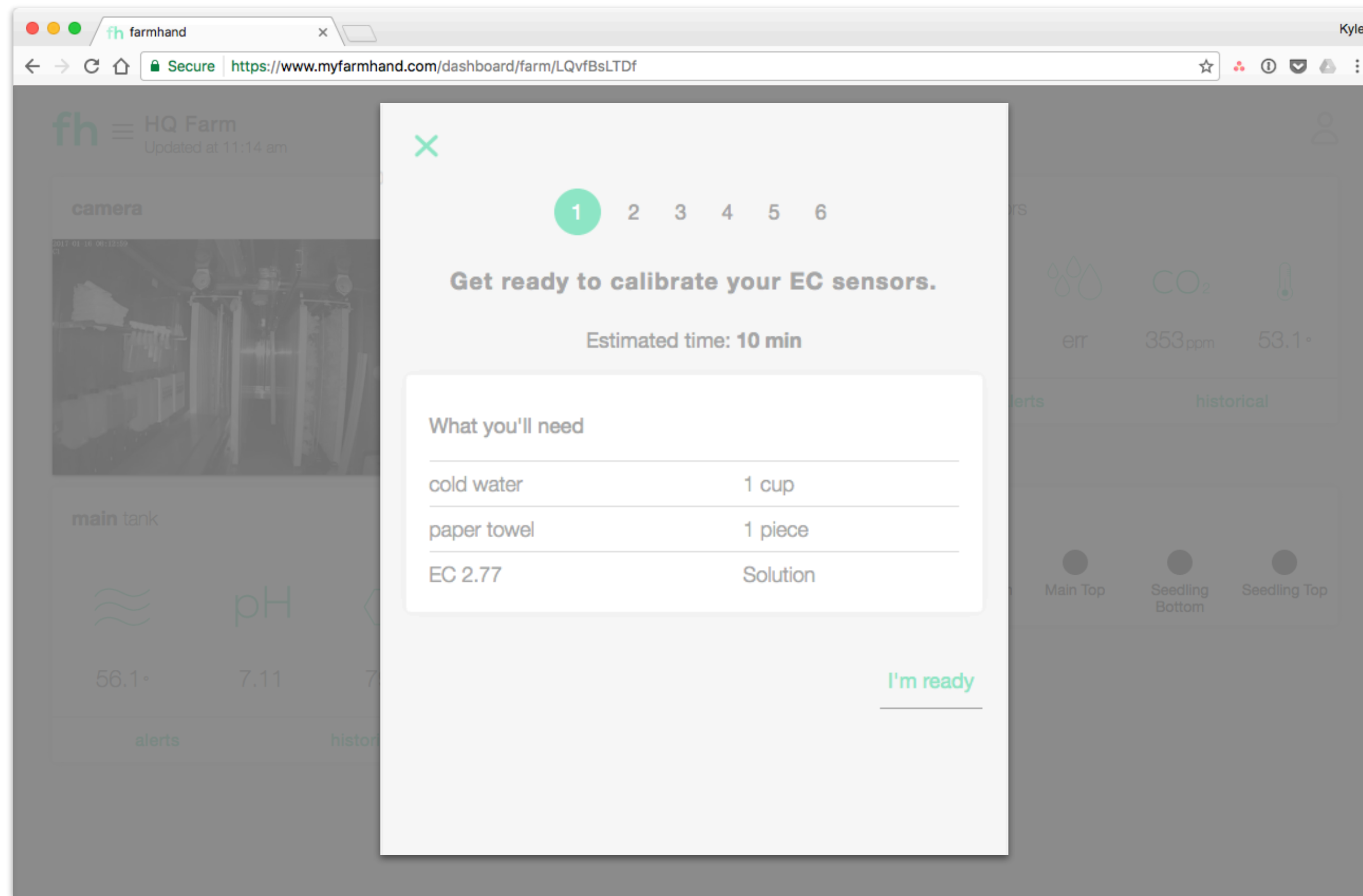
The screenshot shows the 'Cycle Timers' configuration page. The left sidebar is identical to the previous screenshot, with 'Cycle Timers' highlighted. The main content area has a title 'Cycle Timers' and a toggle switch that is turned on. Below the title, it says 'Currently Active' and 'Zone 1 Output 1 on for 20 min, off for 2 hours (day only)'. There is a dropdown menu for 'Control'. Below that are two input fields for 'Time On' and 'Time Off', both set to '0:00:00'. There are three radio button options for 'Day or Night Only': 'Day' (selected), 'Night', and 'Both'. At the bottom, there is a dropdown menu for 'Zone' and a button labeled 'Add Cycle Timer'.

The screenshot shows the 'Batch Dosing' configuration page. The left sidebar is identical to the previous screenshots, with 'Batch Dosing' highlighted. The main content area has a title 'Batch Dosing' and a toggle switch that is turned on. Below the title, there are three radio button options for 'Run Trigger': 'Schedule Change', 'Control On' (selected), and 'Switch On'. There is a dropdown menu for 'Control (trigger)' set to 'Output 1' and an input field for 'On Delay (seconds)' set to '0'. Below that is an input field for 'Gallons (per batch)'. There is a dropdown menu for 'Mixer Control' and an input field for 'Mixer Timer (seconds)' set to '0'. At the bottom, there are two input fields for 'Drain Time' and 'Fill Time', and two dropdown menus for 'Drain Control' and 'Fill Control'. There is also a section titled 'Batch Dosing on Refill' with a toggle switch that is turned on.

Program all Agrowtek settings from **farmhand**

- Save programming files and remotely apply
- Modify individual timers and settings
- Create presets let you quickly put the controller into modes (cleaning, pause)
- Create and save growing recipes

# CALIBRATION & WORKFLOWS



Track and perform sensor calibration,  
routine maintenance and cleaning

# API & DATA

```
{  
  airTemp: 63.5,  
  humidity: 75.0,  
  co2: 1012,  
  waterTemp: 61.3,  
  pH: 7.8,  
  ec: 1255  
}
```

Full data API for all sensors, equipment, and logs

Data belongs to you the growers, and is exportable at any point

# HARDWARE & PLANS



## Farmhand Hub

- Supports up to 10 Agrowtek controllers on the same network
- Creates secure connection, no longer requiring public static IP
- Required to use Farmhand apps

\$1000 each

Farmhand Software	Monitoring	Enterprise
Unlimited Users	✓	✓
Real-time Viewing of data	✓	✓
Unlimited Historic Storage		✓
Equipment and Sensor Alerts		✓
Data Analysis Tool		✓
Controller Programming	✓	✓
Calibration and Workflows		✓
Controller Presets		✓
Data API		✓
<b>Pricing Per Controller</b>	\$25/month or \$250/year	\$185/month or \$1850/year*

\*1 month free with each enterprise contract