Open Horizon project SmartAg SIG

September 28, 2021

Meeting details

Topic: Open Horizon SmartAg SIG Meeting
Time: September 28, 2021 1:00 PM Eastern Time (US and Canada)

Every week on Tue

Please download and import the following iCalendar (.ics) files to your calendar system.

Weekly: https://zoom.us/meeting/tJIld-mrrzItGtZJmClSkSDBOy6Ob4UddbIG/ics?icsToken=98tyKuCupjsqGdWctxmFRowAGoigc-nzmFhajbdnthLGDxNYUSfUGfsUHbArJdzU

Join Zoom Meeting
https://zoom.us/j/96800319702?pwd=TmdxMXBuVFFWM0RCeklnenhkekY2UT09

Meeting ID: 968 0031 9702
Passcode: 411386
Find your local number: https://zoom.us/u/ab3U5VODJl

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Topics

1. Meeting Minutes and Recordings:
   https://wiki.lfedge.org/display/OH/Open+Horizon+Smart+Agriculture+SIG
2. Seedlings
3. Security Discussion
4. Technical Update – Oleksandr/SoftServe
5. Open discussion

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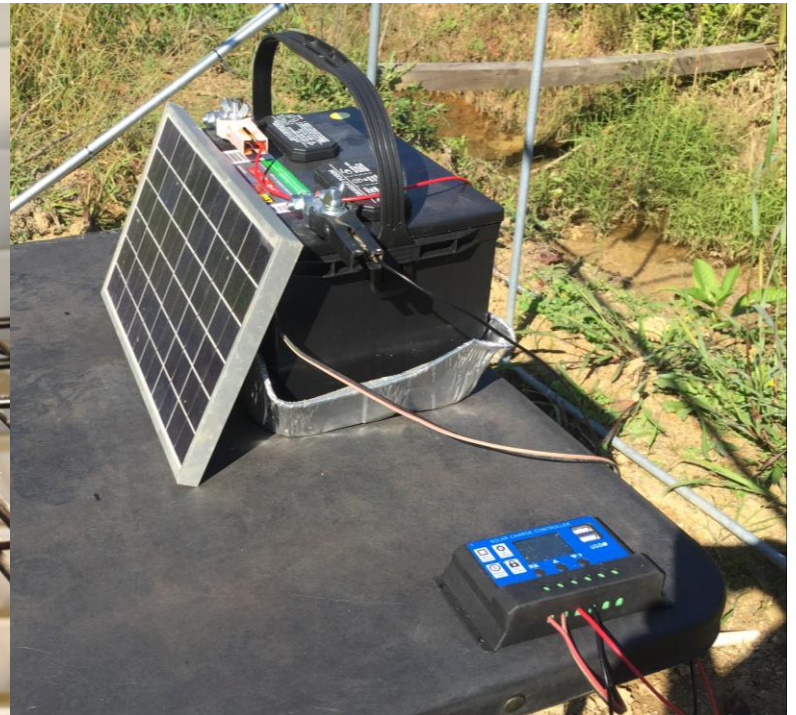
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Seeds started August 17, 2021

- › Roma Tomato (85 days)
- › Early Treat Tomato (49 days)
- › Jalapeno Pepper (72 days)

- › Oregano (45 days)
- › Coriander (45 days)
- › Onion (110 days)

In the Field – Hoop House

RaspberryPi4 Power Usage and Supply

› RaspberryPi4 is using less than 200mA (With WiFi)
  › Sensors not connected**
› 10W Solar Panel @12v

› 24 hours of power = < 4.8A
› 6 hour of solar charging = 5A
› Over 12 hours of daylight per day (in Birmingham, AL)
› Shortest day of the year is 10 hours of daylight (in Birmingham, AL)

Security Discussion

1. Requirements
2. Implications
3. Solutions
4. Etc.

Technical/Hardware Discussion

https://chat.lfx.linuxfoundation.org/#/room/#open-horizon-smartag-sig:chat.lfx.linuxfoundation.org

Milestone	Key Activities	Milestone Deliverable
Milestone One: Discovery [4 Weeks]	• Setting up local environment • Support SDLC (github) • Hardware requirements • Simulation first. ("hello world") • Standing up OpenHorizon environment	• Hardware purchase (BOM) – raspberry pi w/enclosure, laptop running ubuntu 20.04, sensor (liquid prep?), wifi, etc…

Open Discussion

Next Meeting

Next Meeting

› Next Meeting: Tuesday, October 5 @ 10am PT/1pm ET

Thank You

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