Do you care about water contamination?

Center for Environment Restoration and Sustainable Energy

CERSE

Credit: HBO, uproxx.com
What is the pain point?

Boat manually to target location with sensor and take notes

- Safety concern
- Efficiency
- Timeliness
Function 1: Data Collection & GPS

• Record sensing data after every certain distance and/or at the target location automatically
• Navigate boat along the designed pathway with GPS
Function 2: Data Transfer

We need to transfer collected data when the boat docks
• Full dataset (GPS location, sensing data, photos)
• A Phone App to setup the WIFI w. Bluetooth, access the data
• WIFI data transfer to a server
Function 3: Alarm

When pollution accident happens, sensing data can should catch it. We would be ALERTED through the phone timely.

• Transmit through mobile carrier
• GPS location
• Sensing data
• Picture (optional, with good connection)

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EnterpriseWorks in the Research park
Suite 104, 60 Hazelwood Dr, Champaign, IL
Corns can produce anything! As long as we have a good bug!
Co-founded by ChemE & ECE PhDs.

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Job/Co-op/Intern Application:
life-foundry.com/careers.html

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ECE 445 members in LifeFoundry:
- 3 ECE Bronze Tablets, 2 took 445, 1 is teaching.
- Last year 445: 1 TI awardees.
- This year 445: 1 currently, 1~2 more in the future