


Year 3 Development of the HAUCS Project

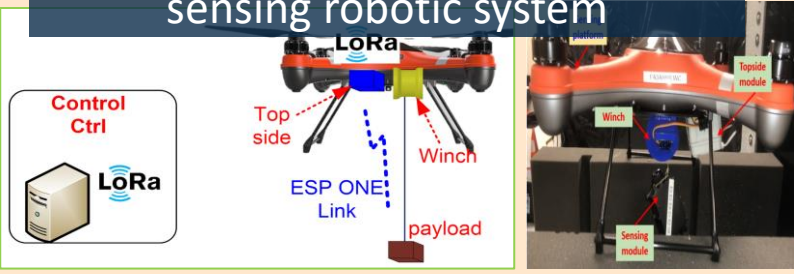
Bing Ouyang, Paul S. Wills, Jason O. Hallstrom, and Tsung-Chow Su, Florida Atlantic University

Challenge

- Fish farming suffers from laborious, time-consuming operations and **labor shortage**.



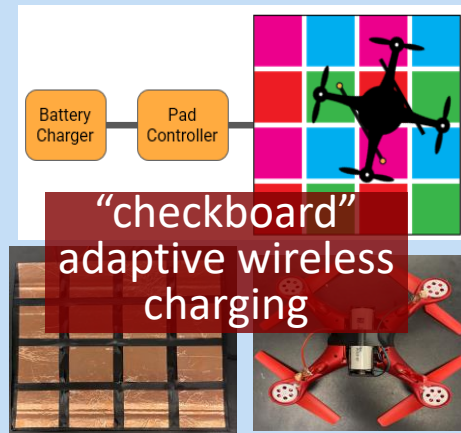
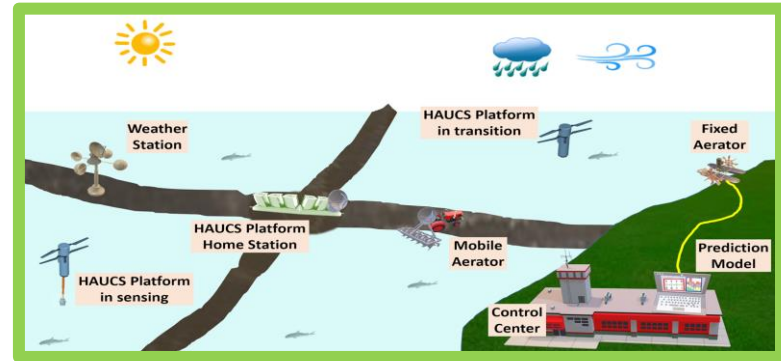
Demo first-of-the-kind mobile DO sensing robotic system



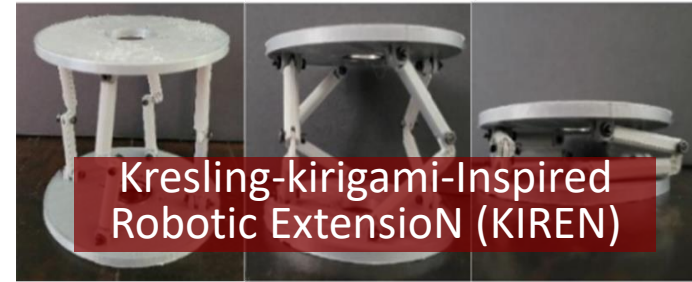
Control Ctrl
LoRa
Top side
Winch
ESP ONE Link
payload
Sensing module

Solution

- Developing an “Internet of Aquaculture”



Battery Charger
Pad Controller
“checkboard” adaptive wireless charging



First-of-the-kind pond farm operation phone app

