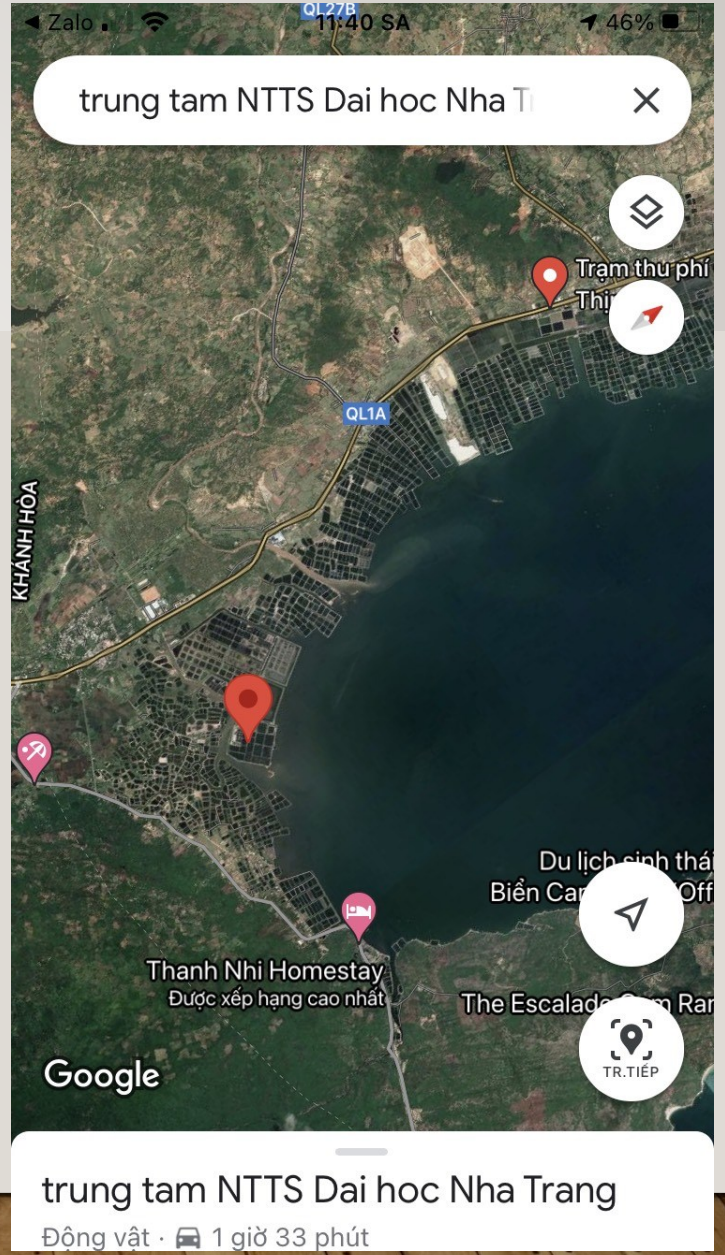
REAS-SEA PHOTO ALBUM

BY VO NGUYEN QUOC BAO

餌やり名人

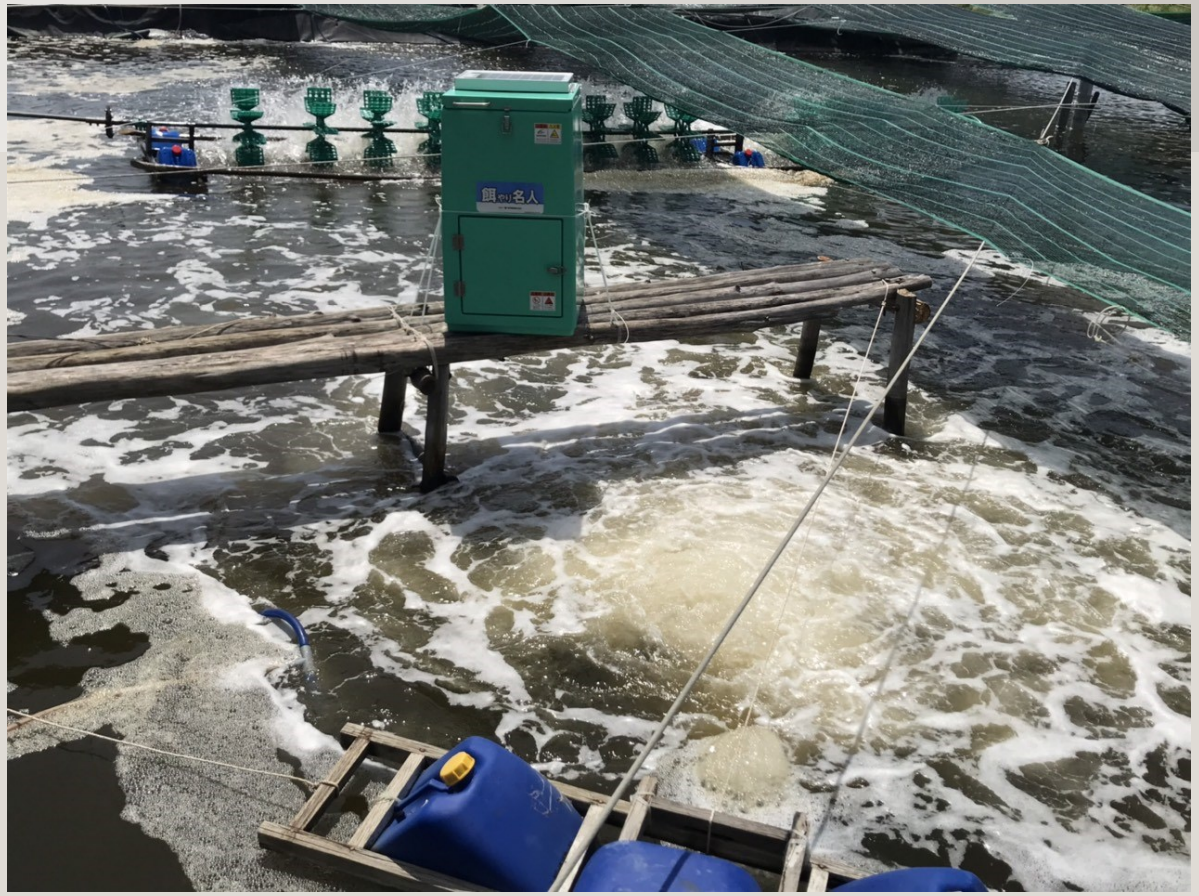

Zalo
11:40 SA
46%
trung tam NTTS Dai hoc Nha T
Trạm thu phí
QL1A
KHÁNH HÒA
Thanh Nhi Homestay
Được xếp hạng cao nhất
TR.TIẾP
Google
trung tam NTTS Dai hoc Nha Trang
Động vật · 1 giờ 33 phút

SONY
L
R
-20dB -12dB OVER
-20dB -12dB OVER
OVER
D-27dB
REC
0h01m06s
220512_1322.wav
LINEAR PCM RECORDER PCM-D10
T-MARK
STOP
REC PAUSE
REC
C1
C2
DPC
BACK
A-B
HOME

- File name format:
  in_ yymmdd_dotx_shrimpsize_a.wav

  Eg.:
  in_220513_dot1_2g_a.wav

  a: shrimp click sound only
  b: shrimp sound + noise

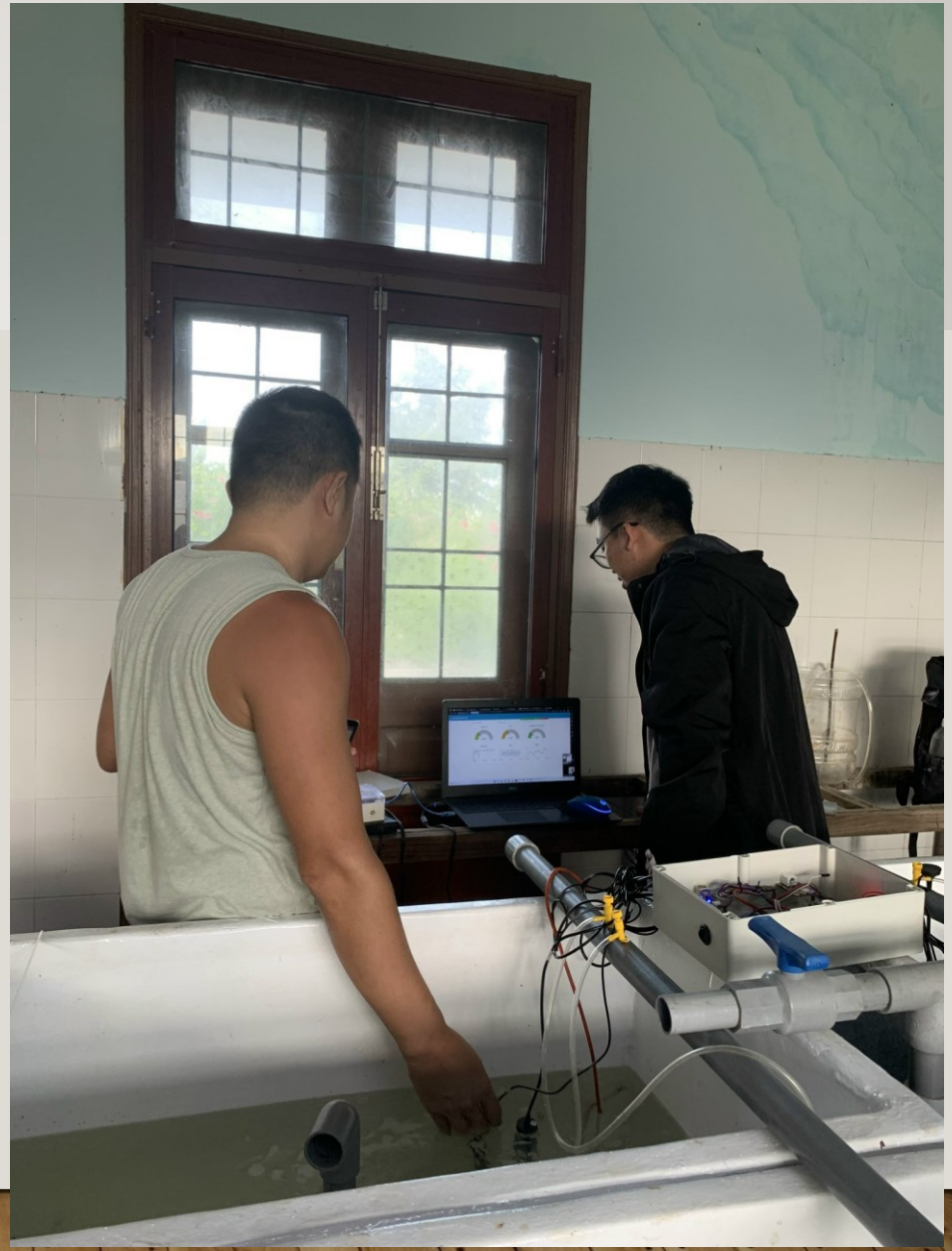


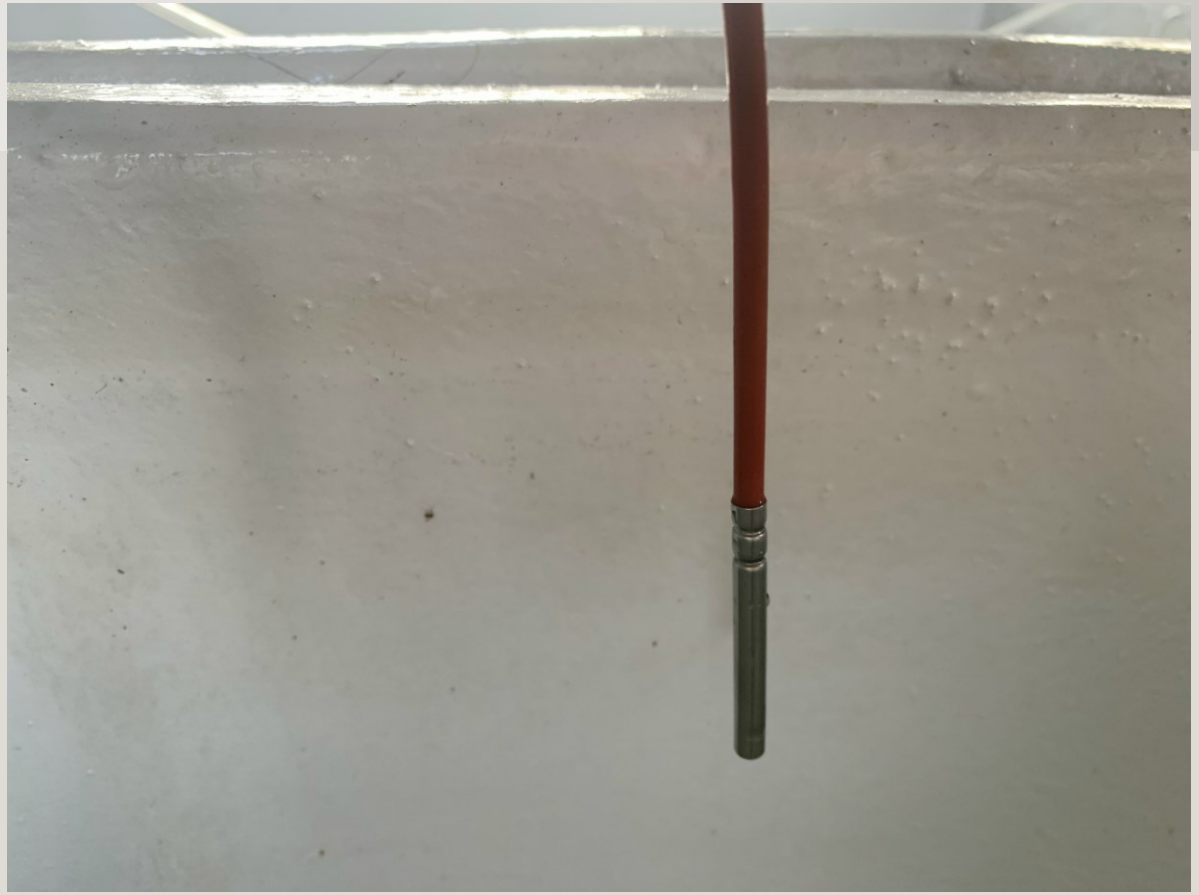
0
50 g
100
150
200
250
300
350
400
450
HÀNG VIỆT NAM
CHẤT LƯỢNG CAO
PDM. 077-2007

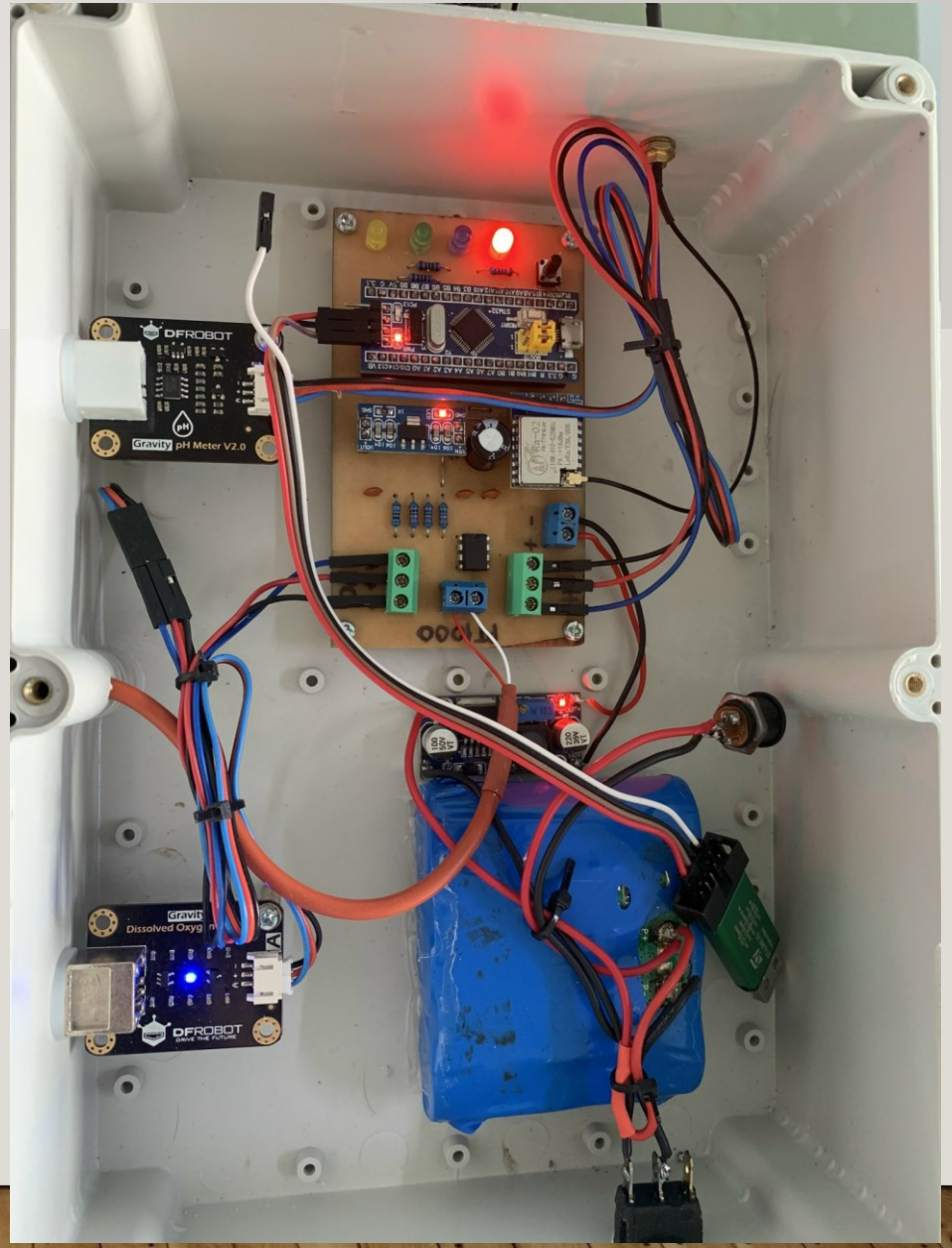
500 g
450
50 g
400
100
350
150
300
200
250

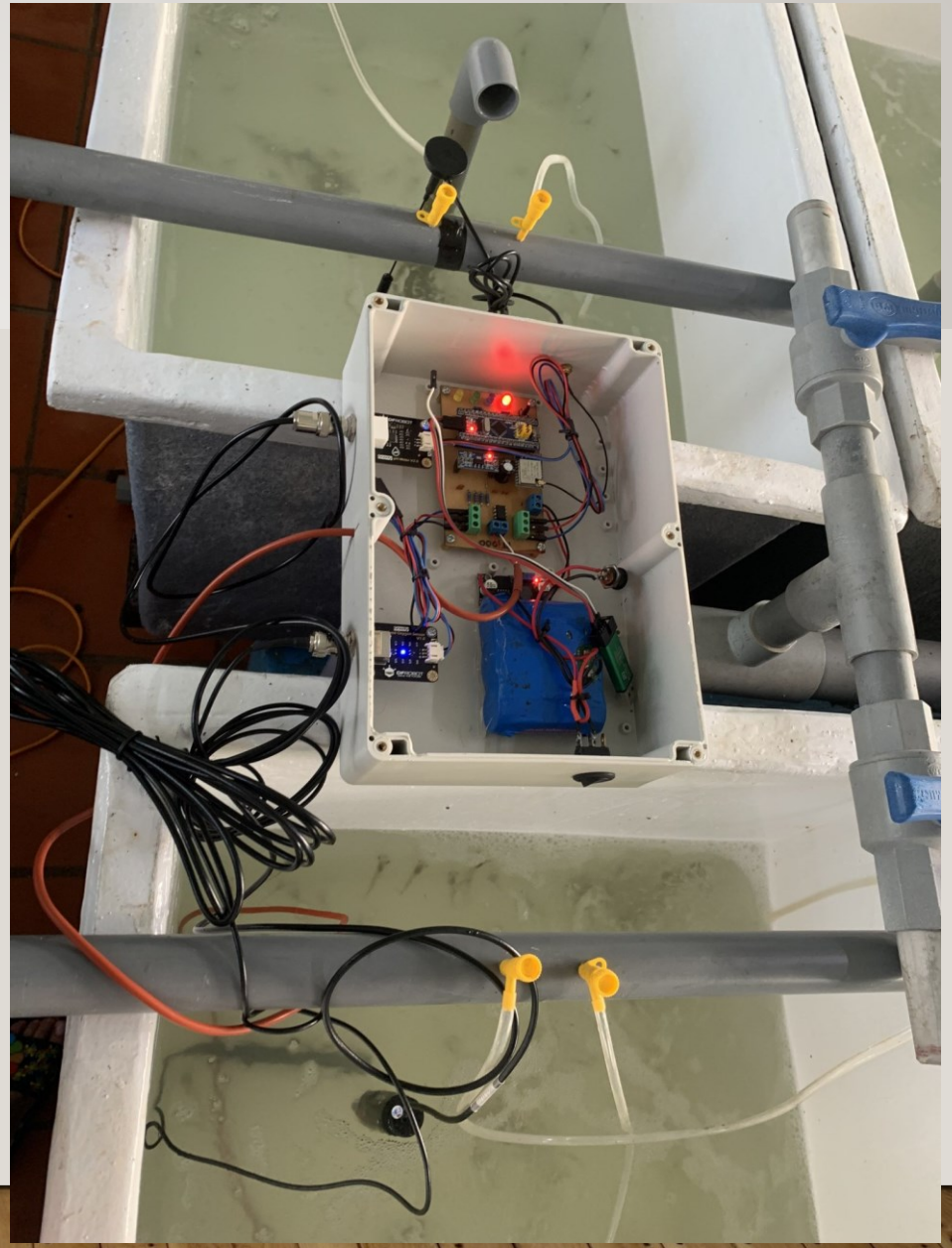
pH electrode

pH electrode

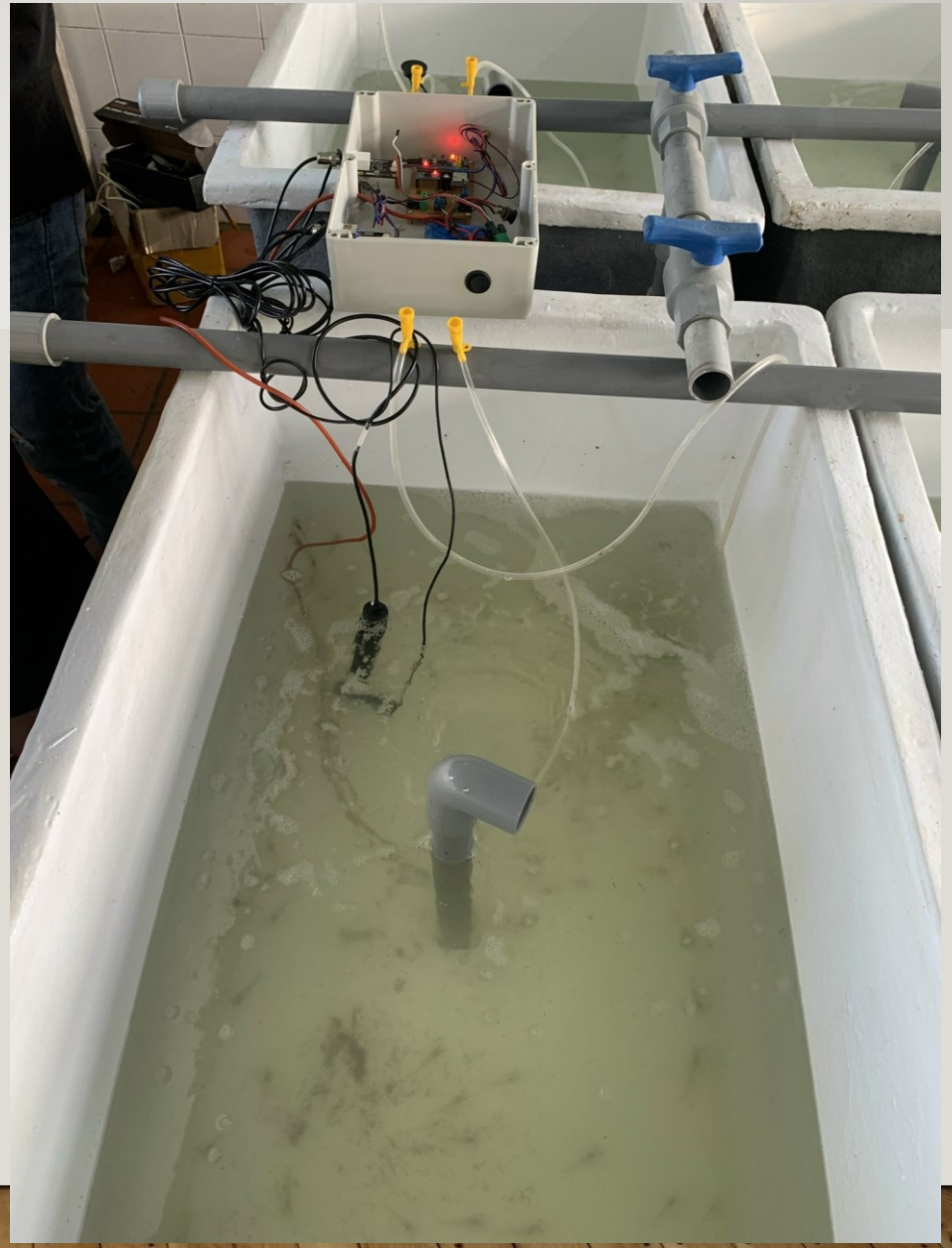


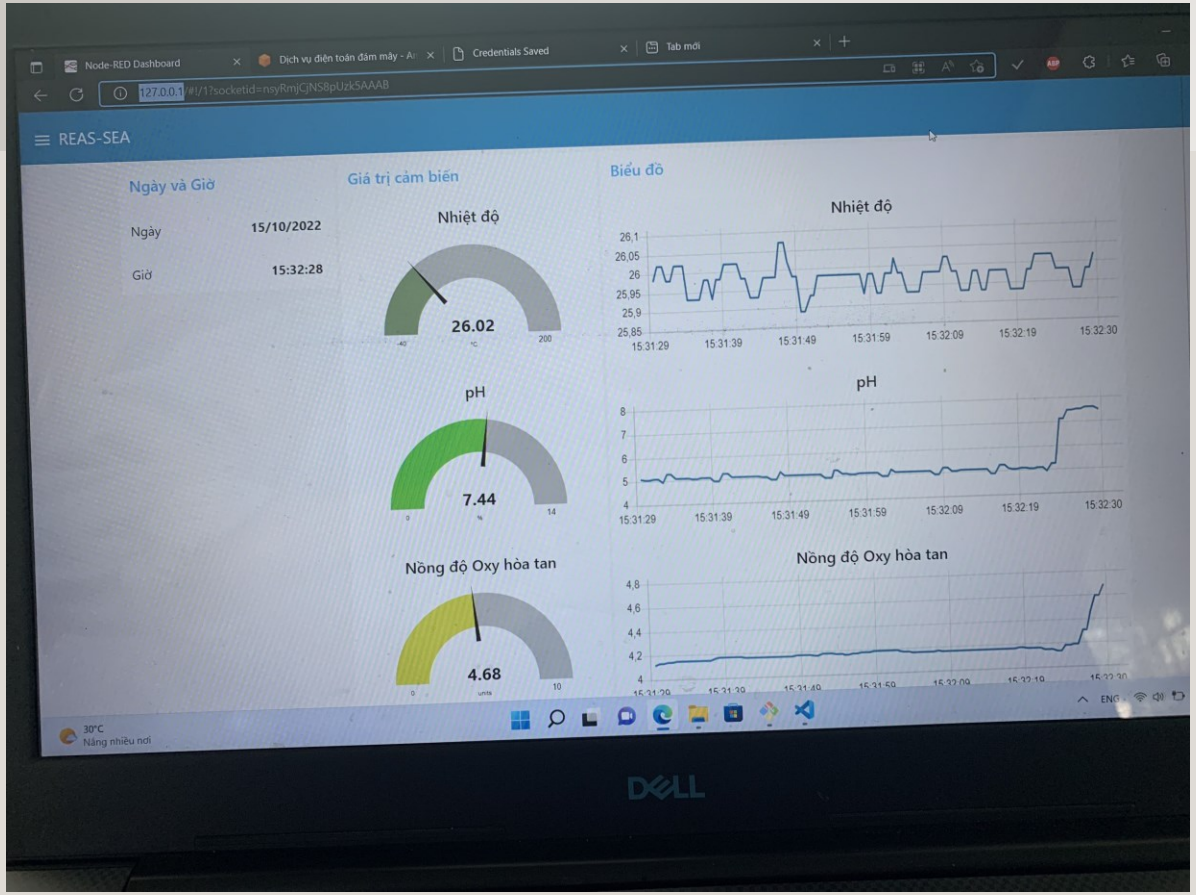


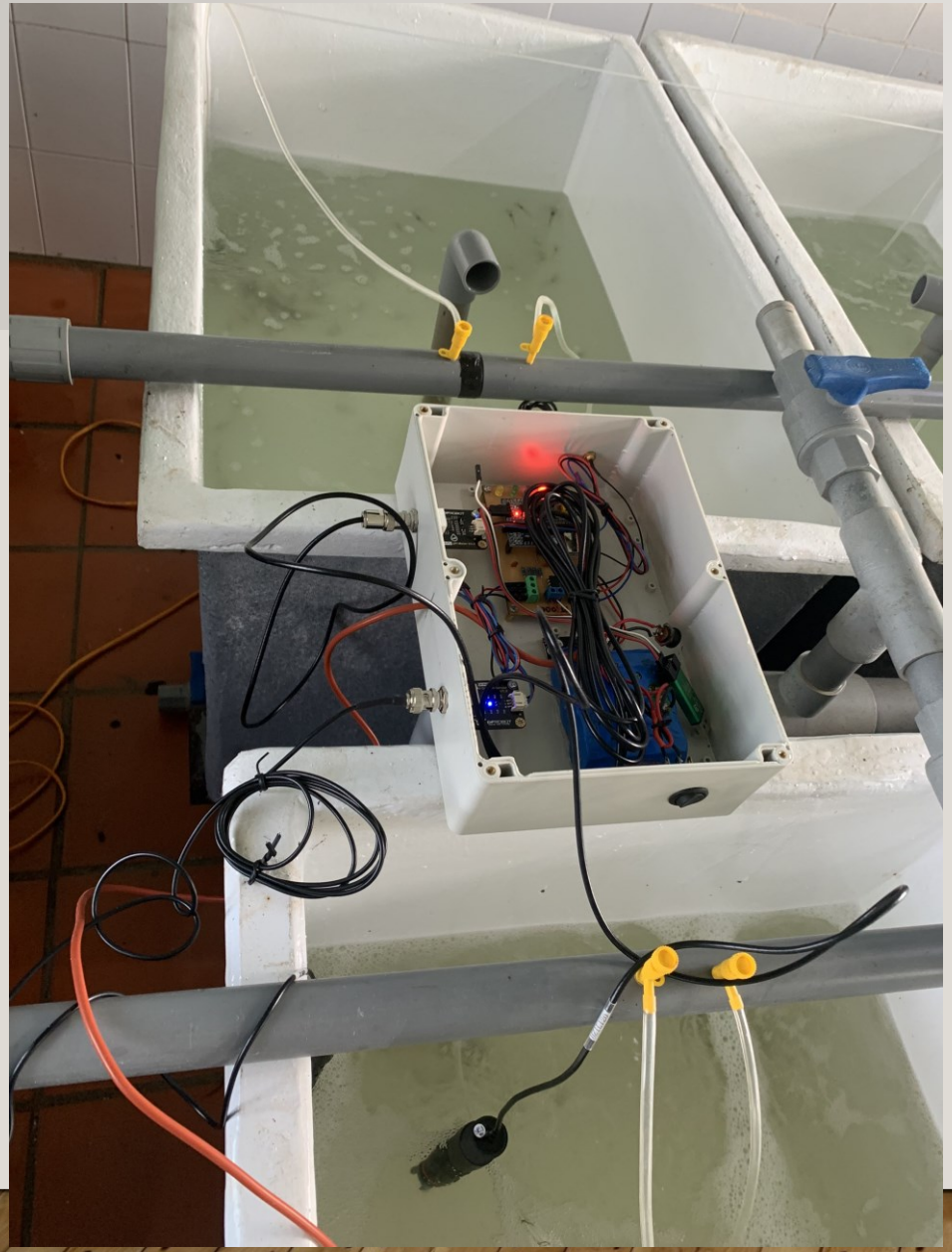

DFROBOT
Gravity pH Meter V2.0
DFROBOT

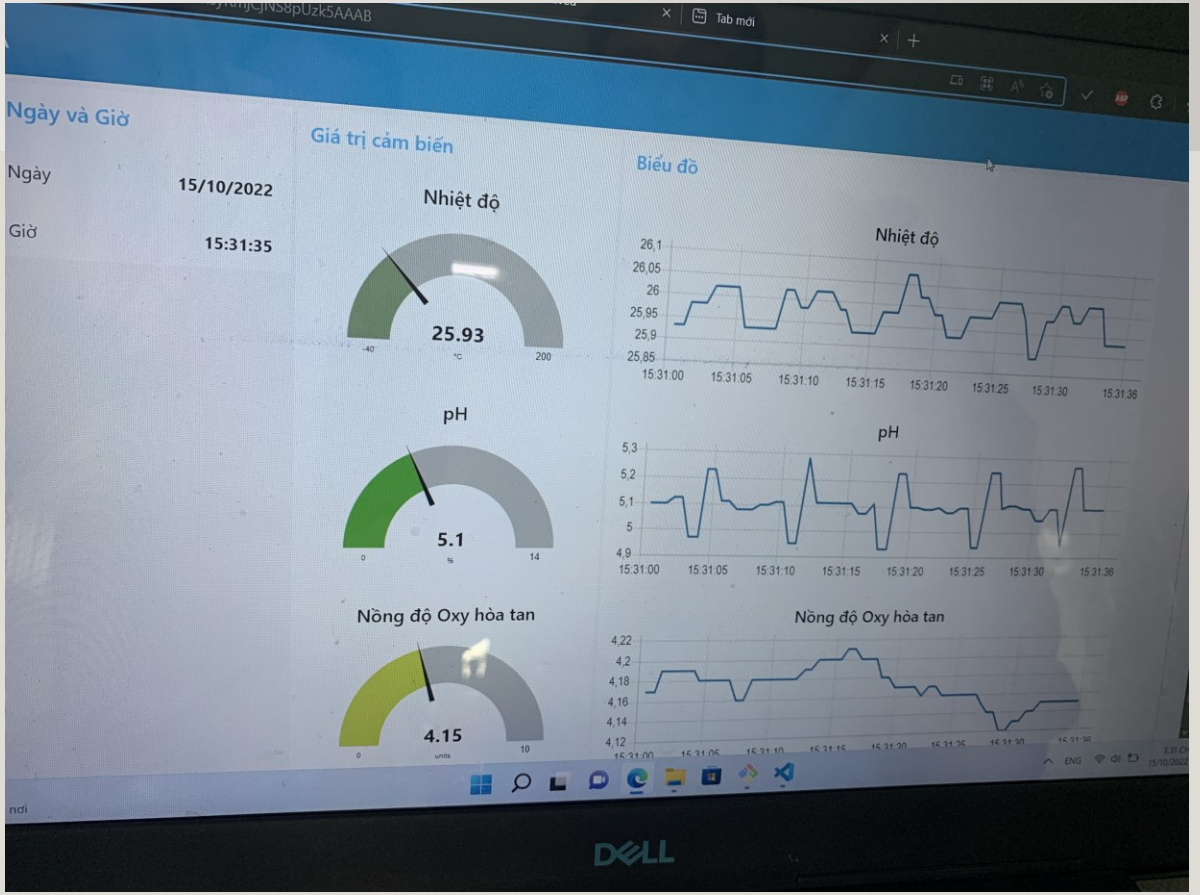


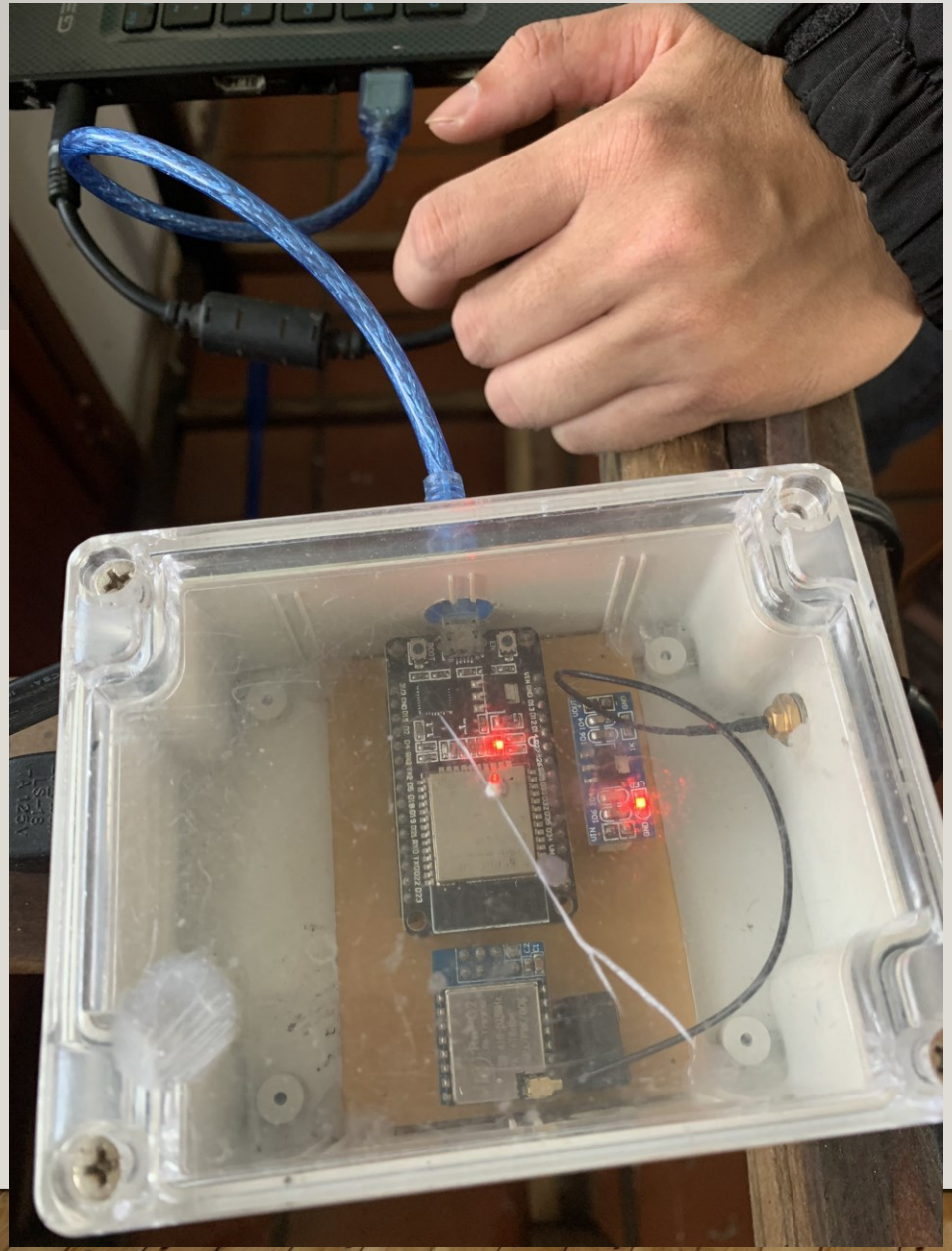
H-101 pH electrode

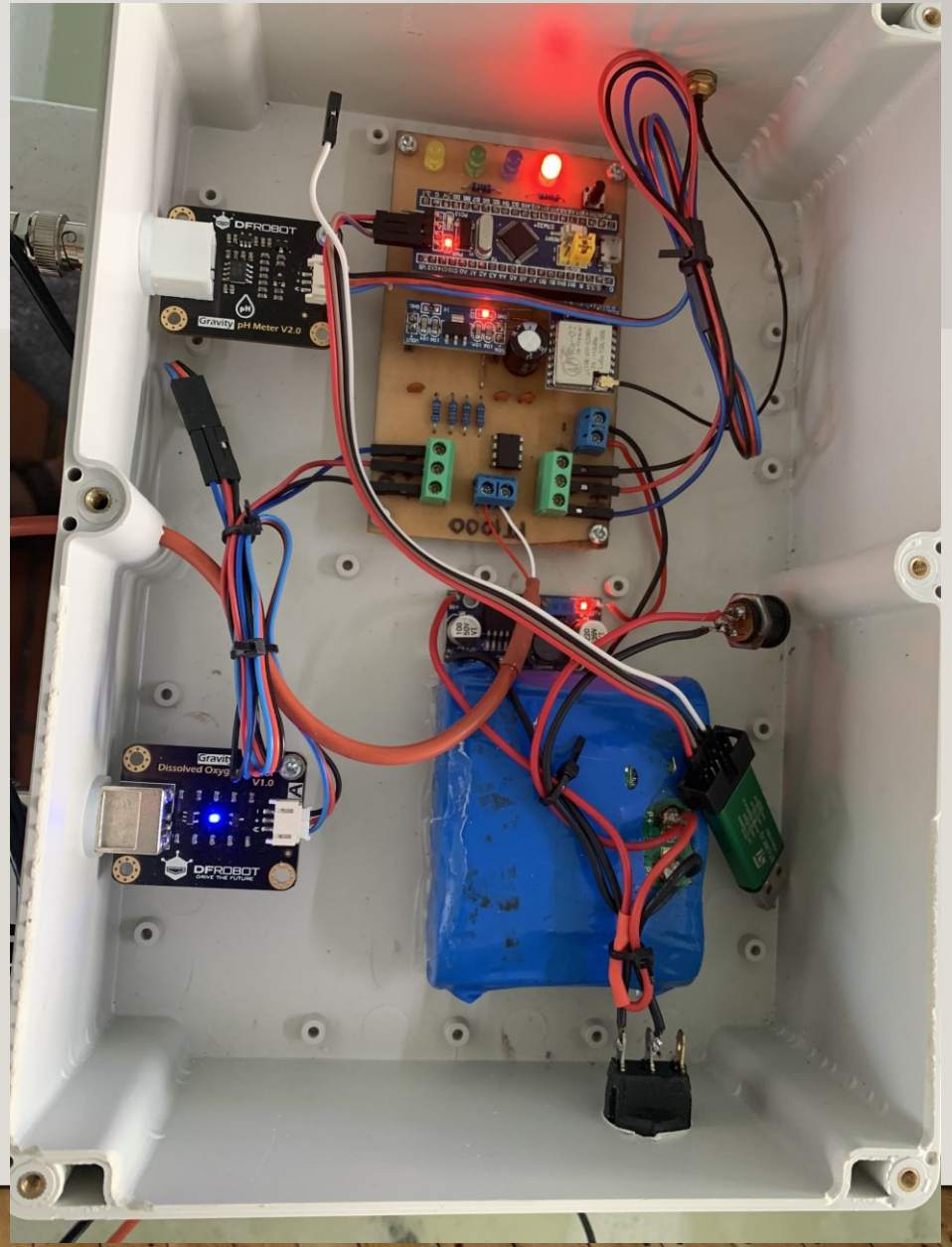



Node-RED Dashboard
Credentials Saved
Tab mới
127.0.0.1
REAS-SEA
Ngày và Giờ
Giá trị cảm biến
Biểu đồ
Ngày
15/10/2022
Giờ
15:32:28
Nhiệt độ
26.02
Nhiệt độ
pH
7.44
pH
Nồng độ Oxy hòa tan
4.68
Nồng độ Oxy hòa tan
30°C
Nắng nhiều nơi
DELL

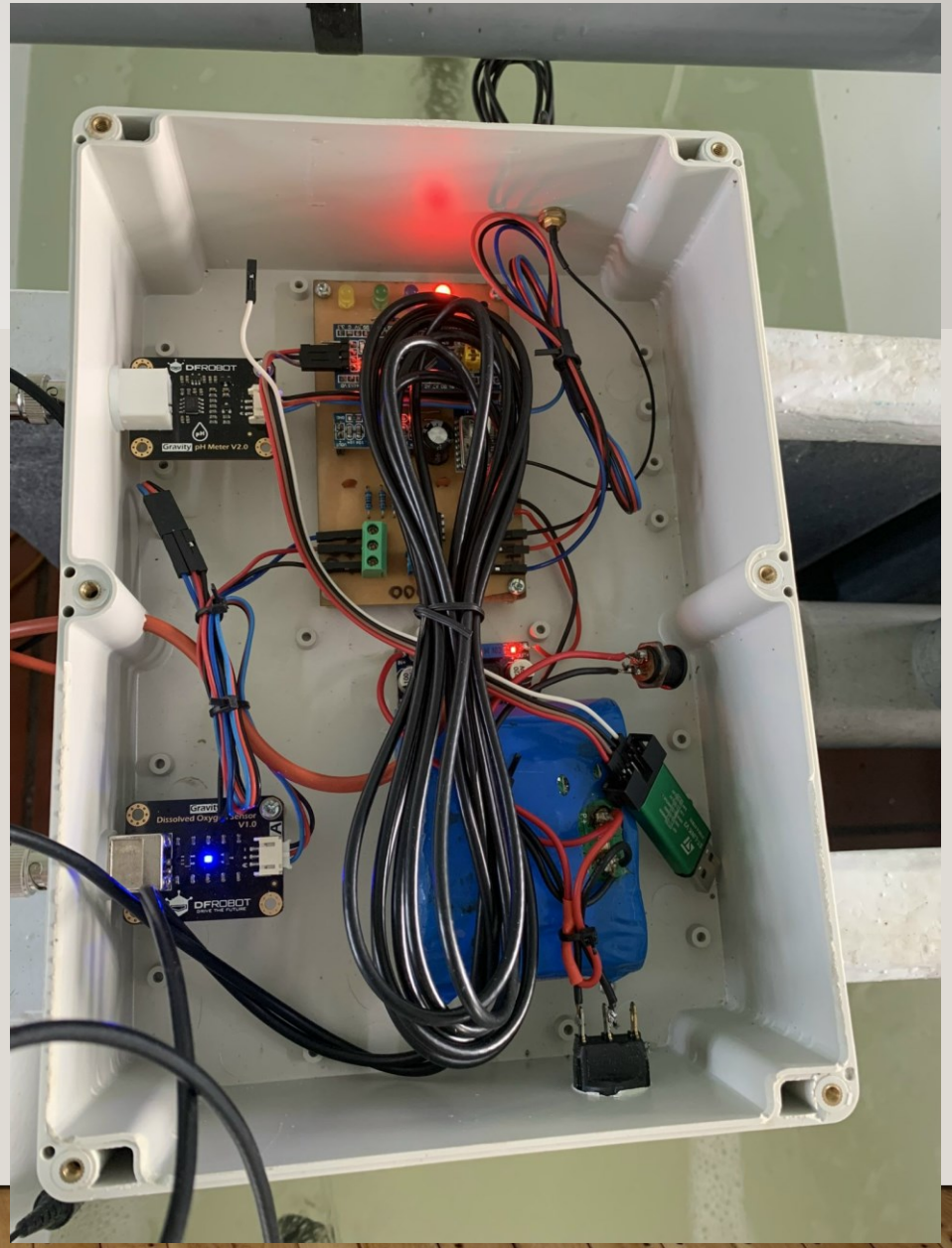


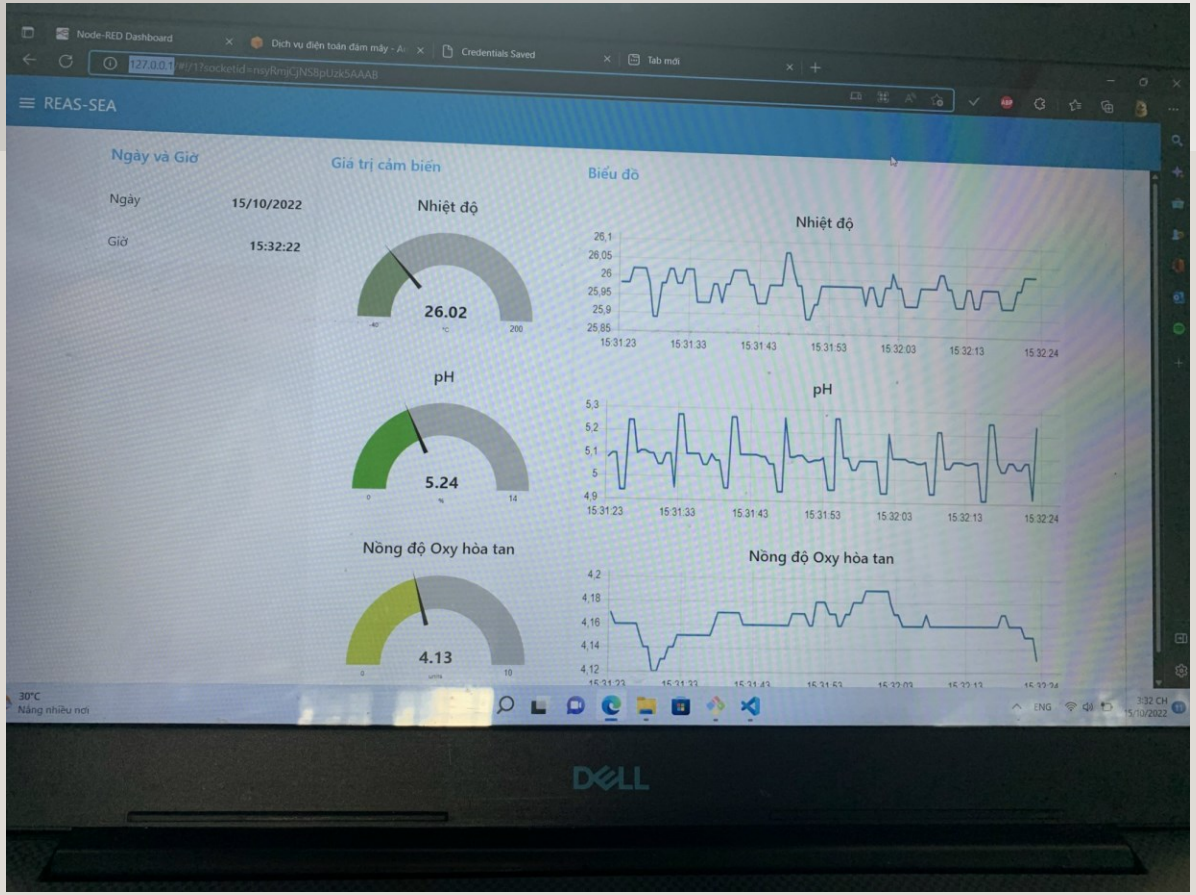

Tab mới
Ngày và Giờ
Ngày
15/10/2022
Giờ
15:31:35
Giá trị cảm biến
Nhiệt độ
25.93
pH
5.1
Nồng độ Oxy hòa tan
4.15
Biểu đồ
Nhiệt độ
pH
Nồng độ Oxy hòa tan
DELL

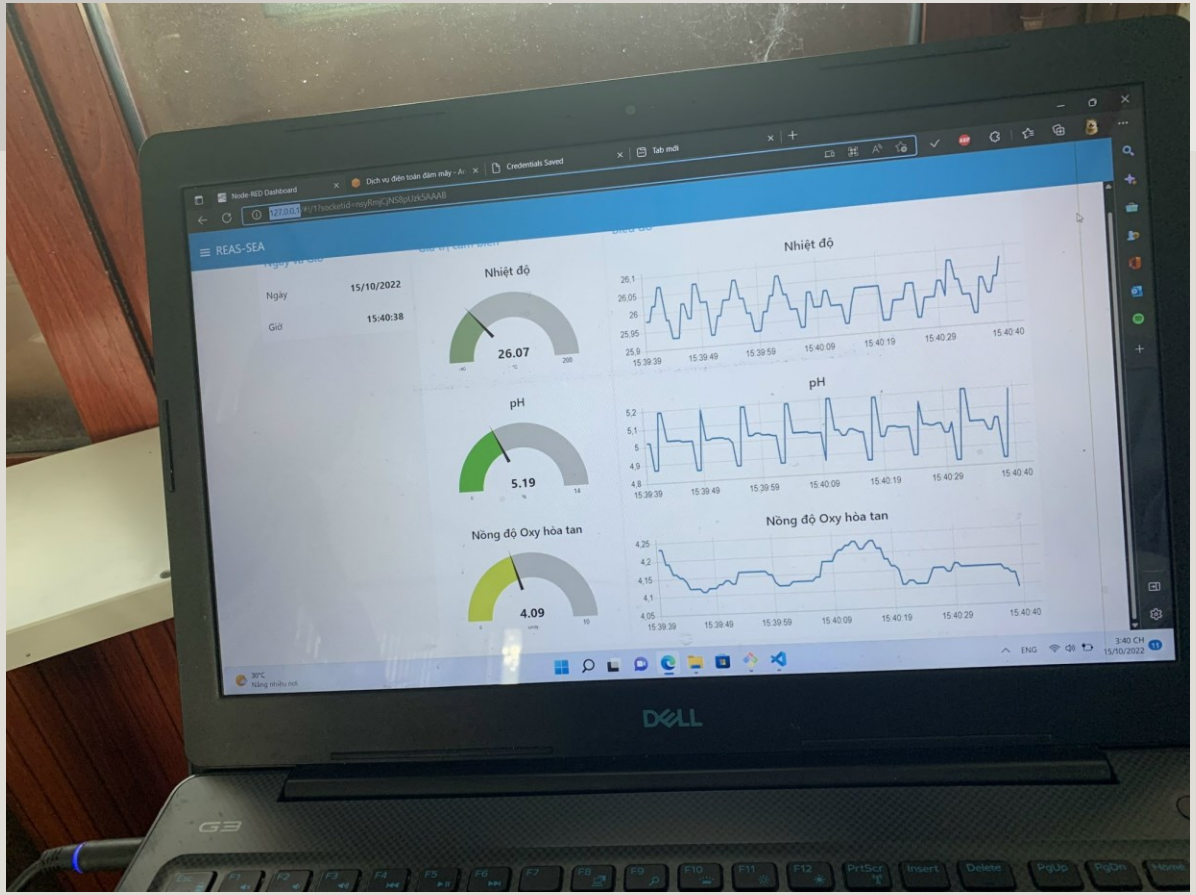



DFROBOT
Gravity pH Meter V2.0
Gravity
Dissolved Oxyg V1.0
DFROBOT

Node-RED Dashboard
Credentials Saved
Tab mới
REAS-SEA
Ngày
15/10/2022
Giờ
15:40:44
Nhiệt độ
26.07
Nhiệt độ
pH
4.86
pH
Nồng độ Oxy hòa tan
4.12
Nồng độ Oxy hòa tan
DELL


DFROBOT
Gravity pH Meter V2.0
DFROBOT


Node-RED Dashboard
Credentials Saved
Tab mới
REAS-SEA
Ngày và Giờ
Giá trị cảm biến
Biểu đồ
Ngày
15/10/2022
Giờ
15:32:22
Nhiệt độ
26.02
Nhiệt độ
pH
5.24
pH
Nồng độ Oxy hòa tan
4.13
Nồng độ Oxy hòa tan
DELL


REAS-SEA
Ngày
15/10/2022
Giờ
15:40:38
Nhiệt độ
26.07
pH
5.19
Nồng độ Oxy hòa tan
4.09
Nhiệt độ
pH
Nồng độ Oxy hòa tan
DELL

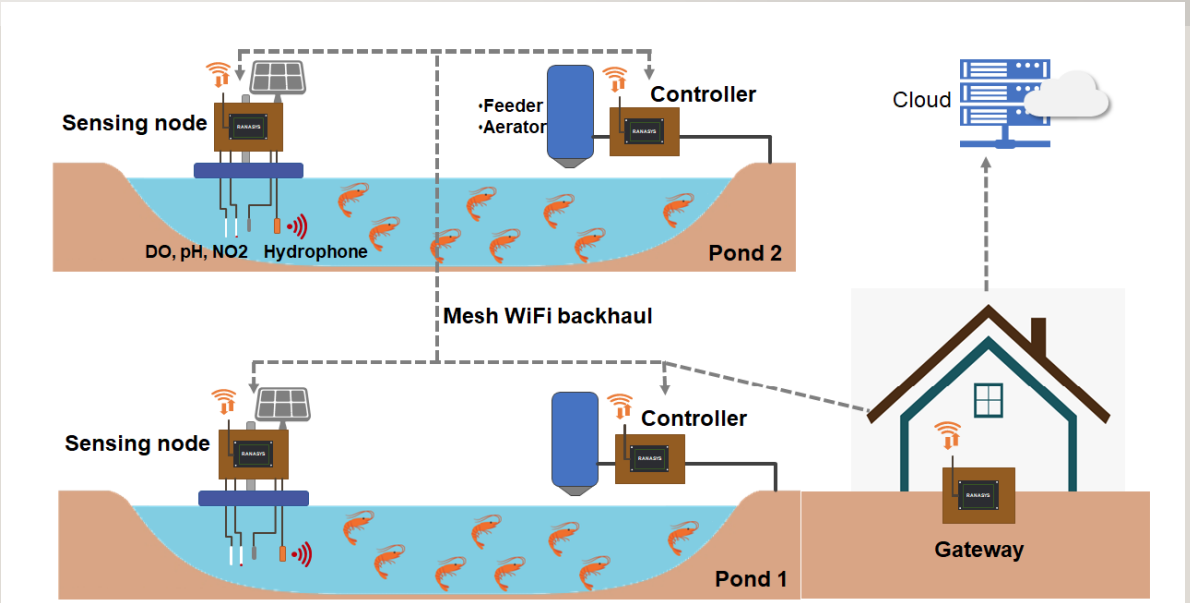
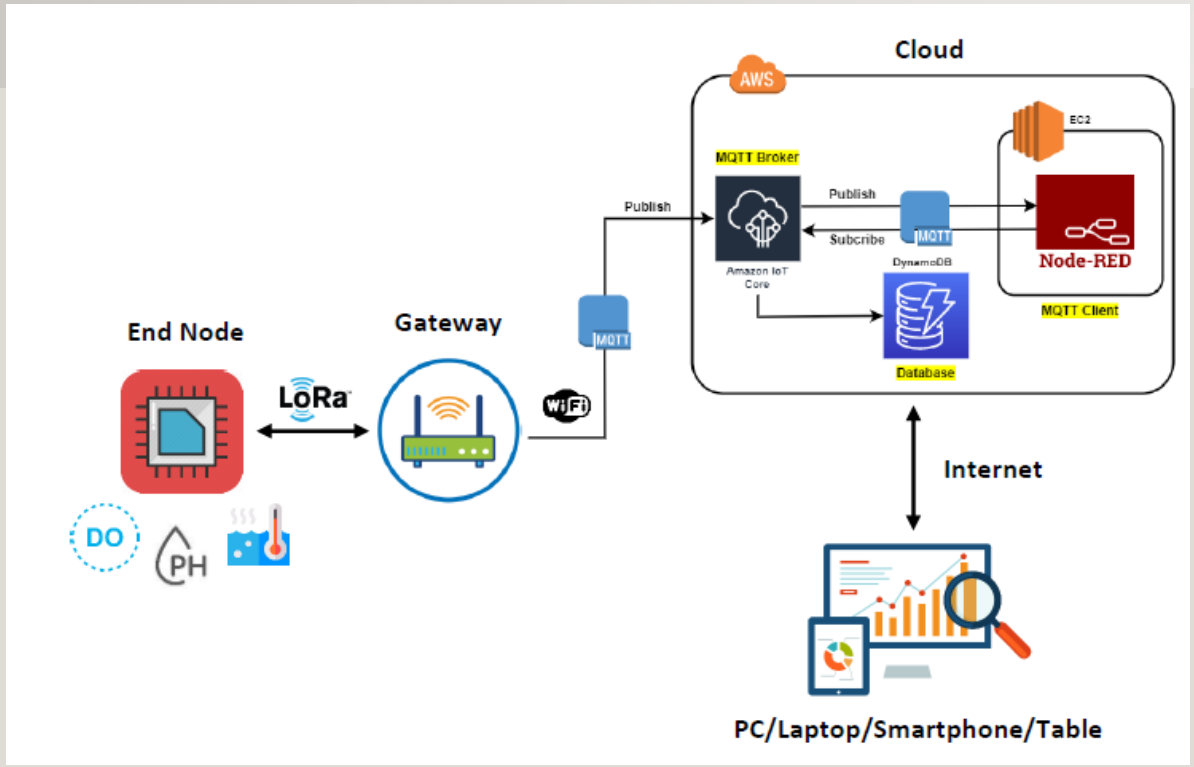
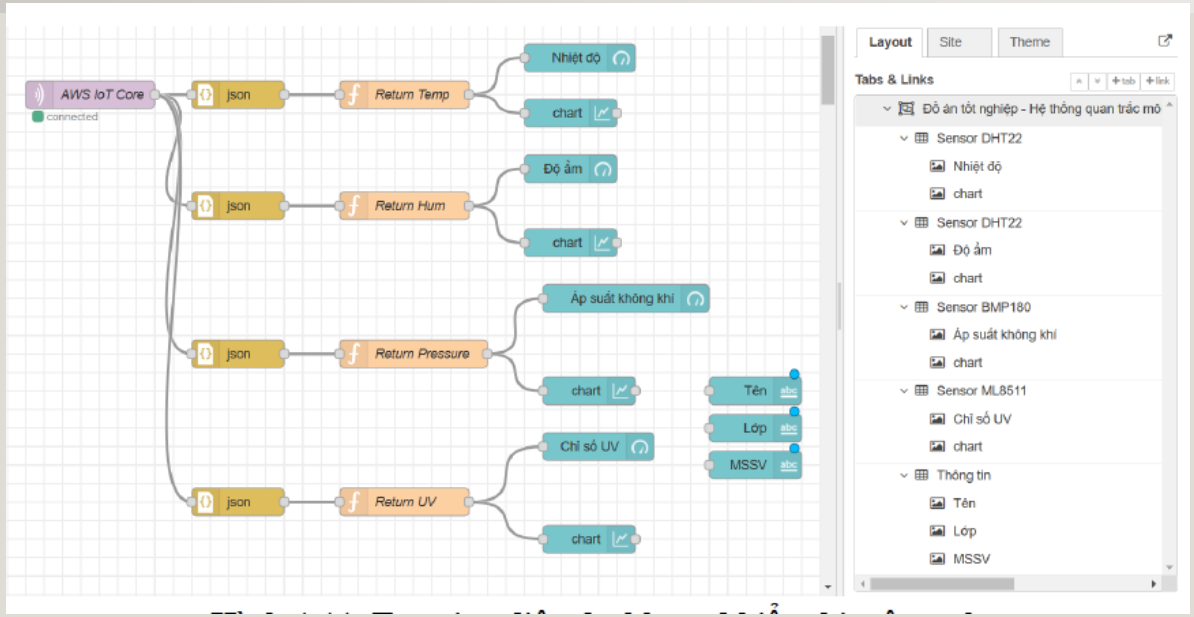
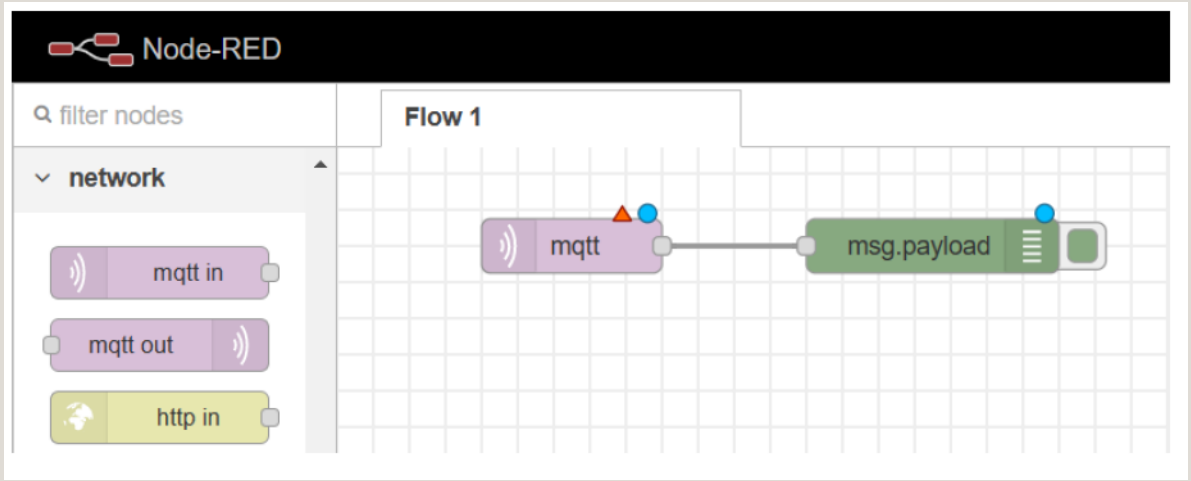


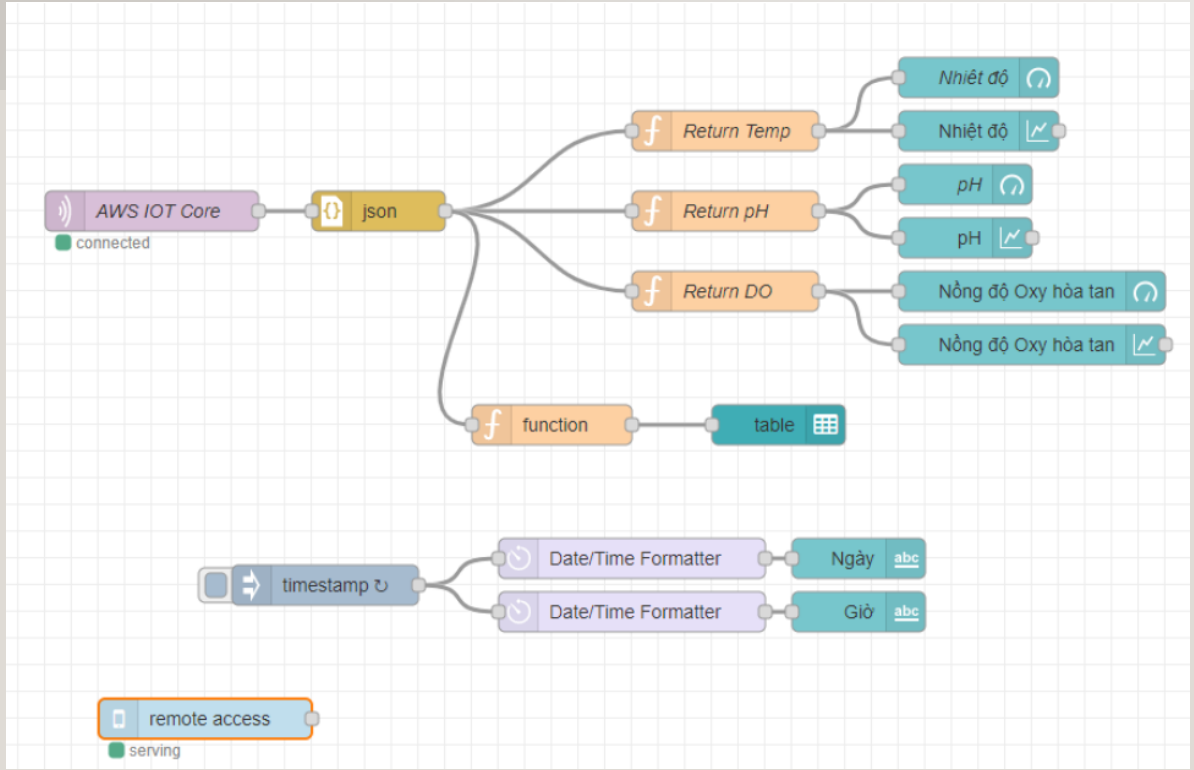
Figure 4: Typical in field deployment for REAS-SEA.

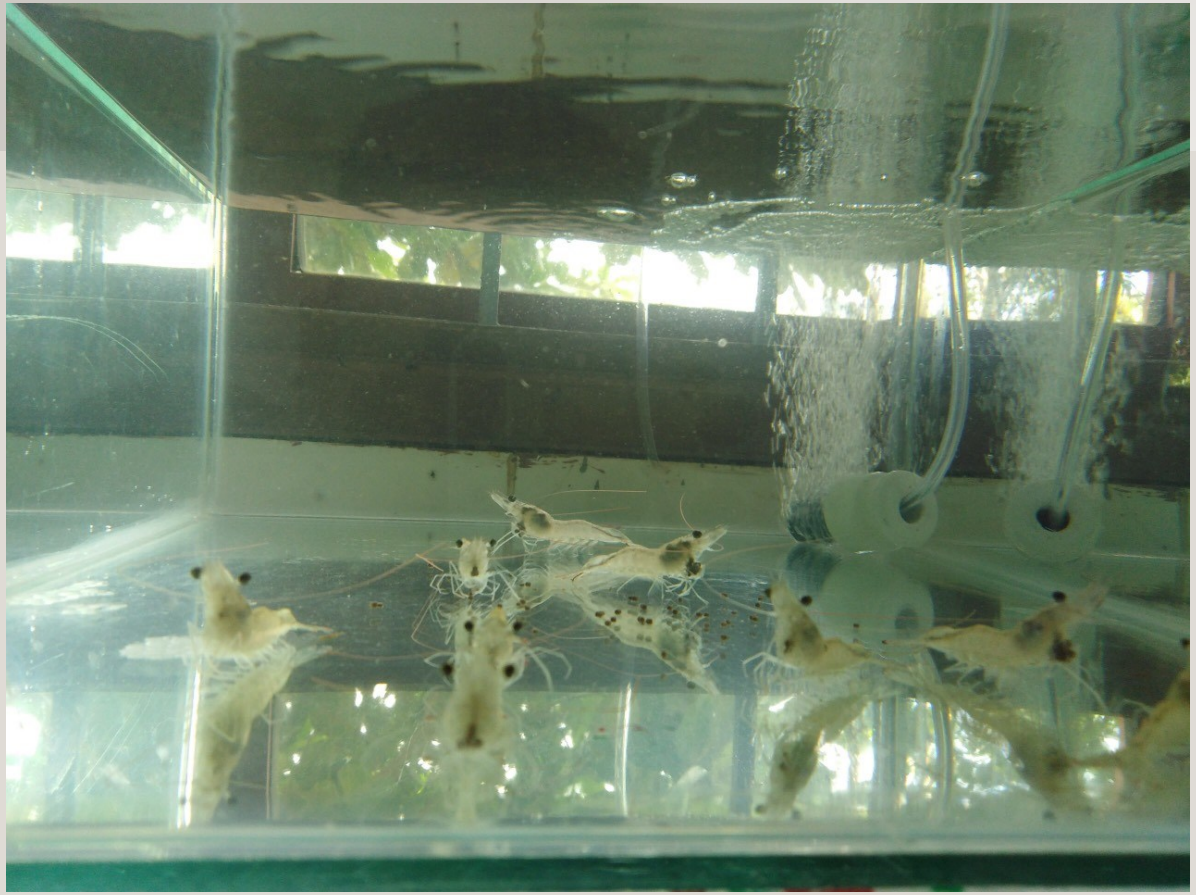

Cloud
AWS
EC2
MQTT Broker
Publish
Subcribe
MQTT
DynamoDB
Node-RED
MQTT Client
Amazon IoT Core
Database
Publish
End Node
Gateway
LoRa
WiFi
MQTT
Internet
DO
PH
PC/Laptop/Smartphone/Table

Aquafeeler IV
HPF(Hz)
LPF(kHz)
GAIN(dB)
VOL
O.L
CAL.
PHONE
ON
OFF

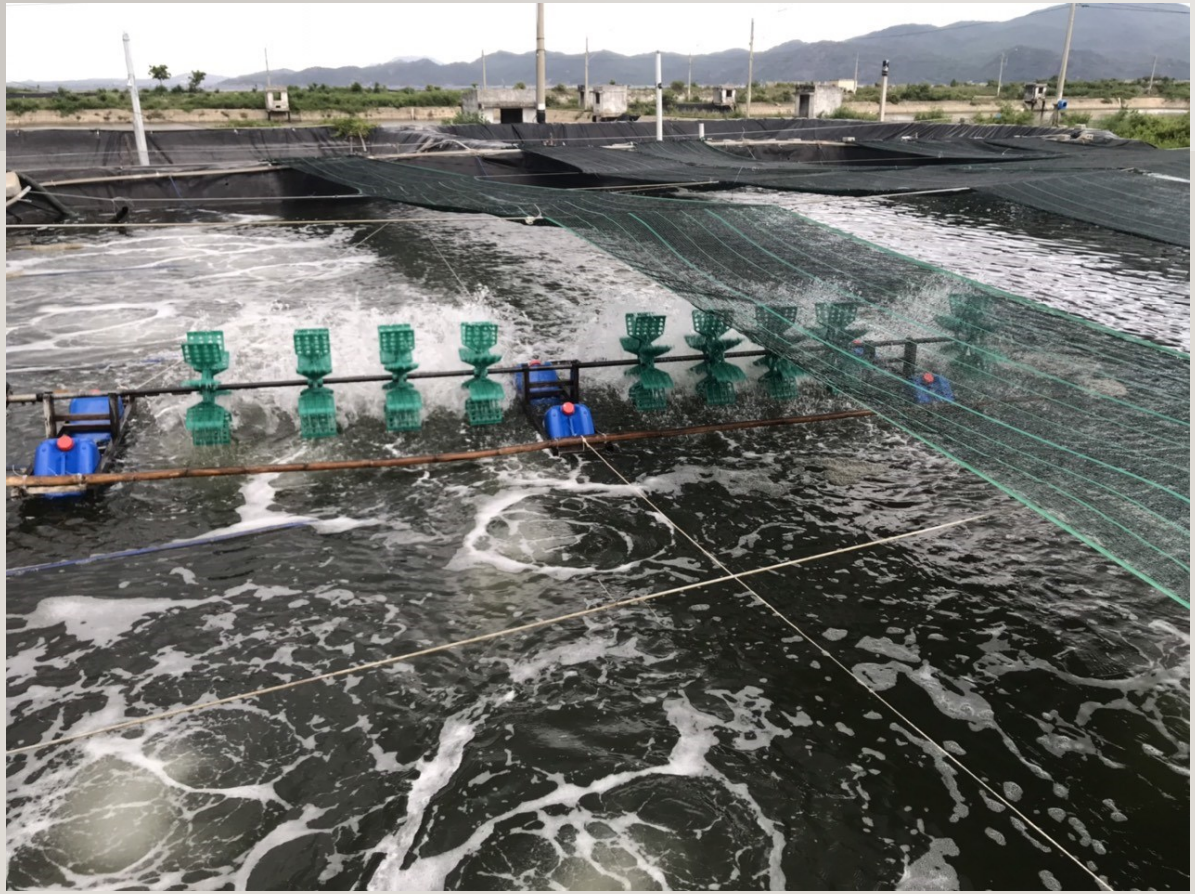

AWS IoT Core
connected
json
Return Temp
Nhiệt độ
chart
json
Return Hum
Độ ẩm
chart
json
Return Pressure
Áp suất không khí
chart
json
Return UV
Chỉ số UV
chart
Tên
Lớp
MSSV
Layout
Site
Theme
Tabs & Links
Đồ án tốt nghiệp - Hệ thống quan trắc mô
Sensor DHT22
Nhiệt độ
chart
Sensor DHT22
Độ ẩm
chart
Sensor BMP180
Áp suất không khí
chart
Sensor ML8511
Chỉ số UV
chart
Thông tin
Tên
Lớp
MSSV

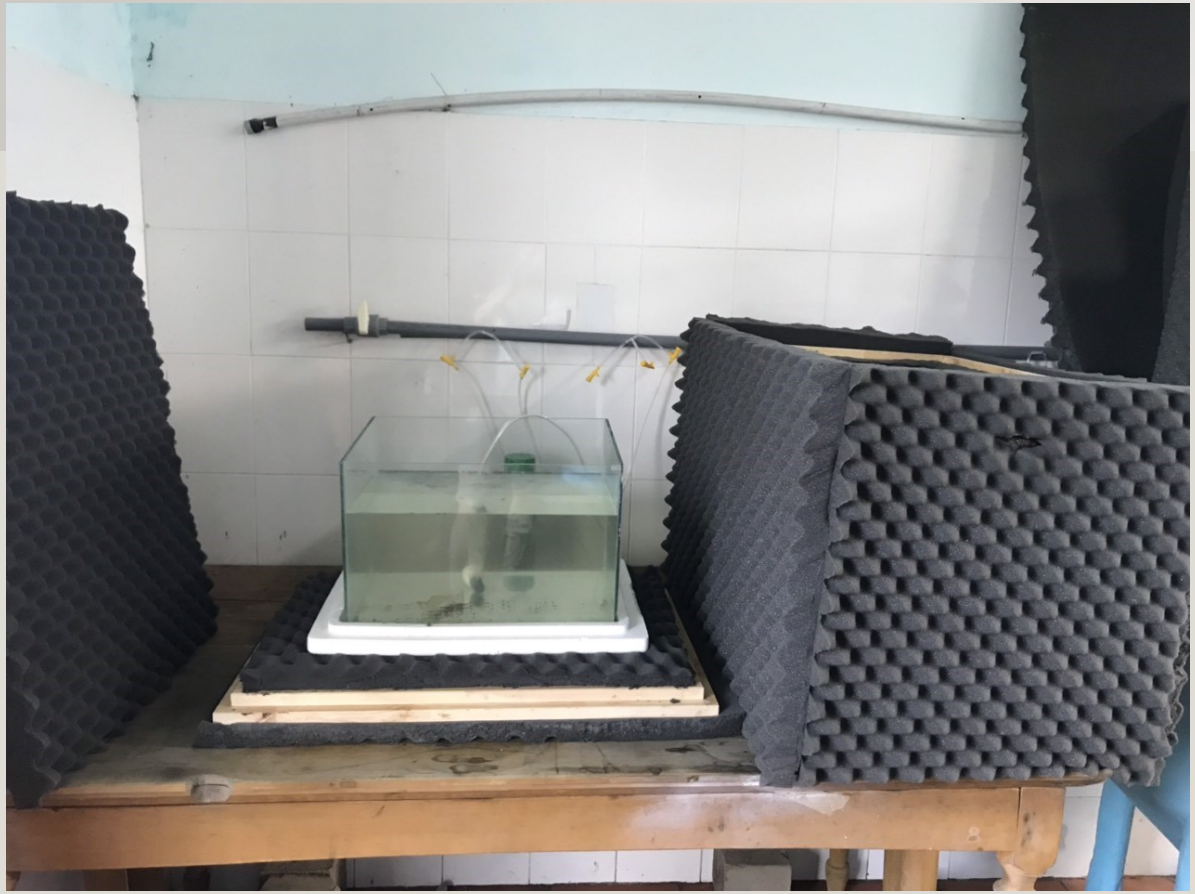

Node-RED
filter nodes
network
mqtt in
mqtt out
http in
Flow 1
mqtt
msg.payload

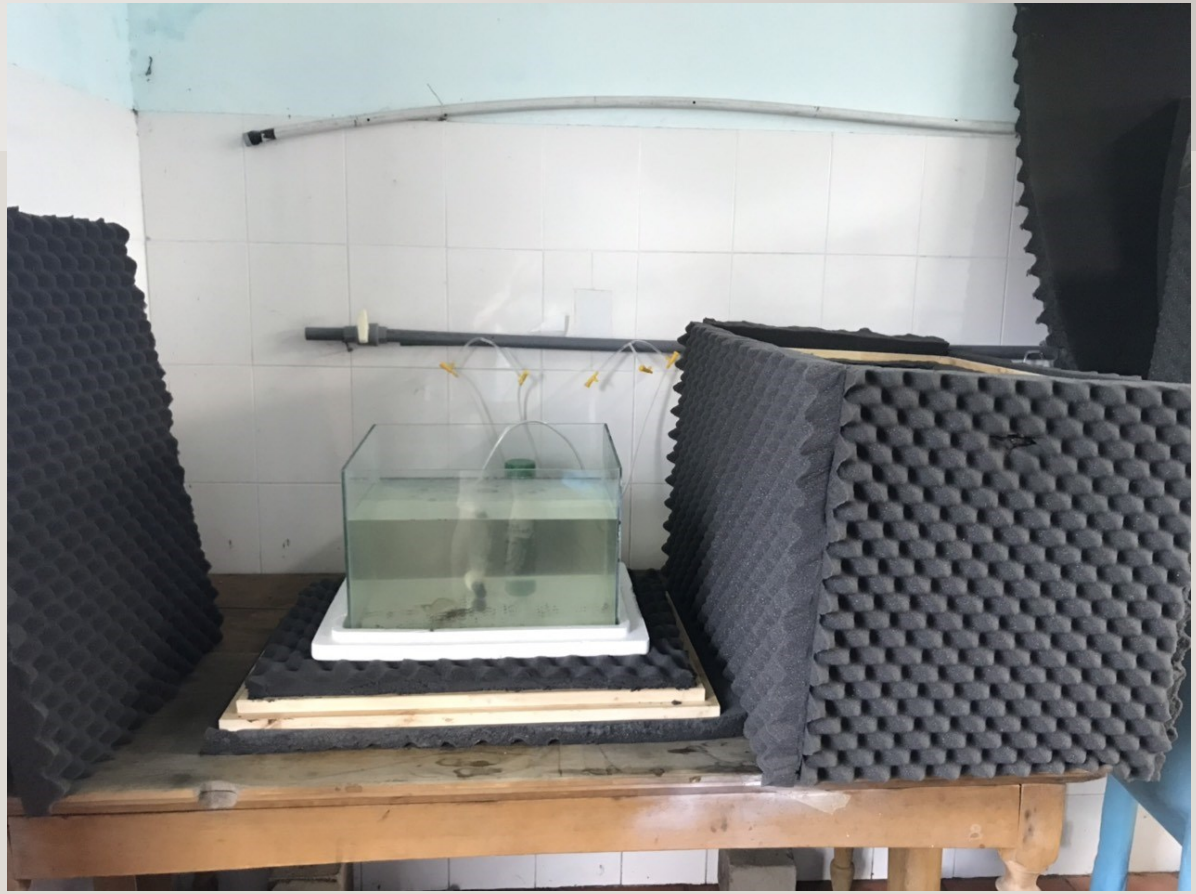

AWS IOT Core
connected
json
Return Temp
Nhiệt độ
Nhiệt độ
Return pH
pH
pH
Return DO
Nồng độ Oxy hòa tan
Nồng độ Oxy hòa tan
function
table
timestamp
Date/Time Formatter
Ngày
Date/Time Formatter
Giờ
remote access
serving

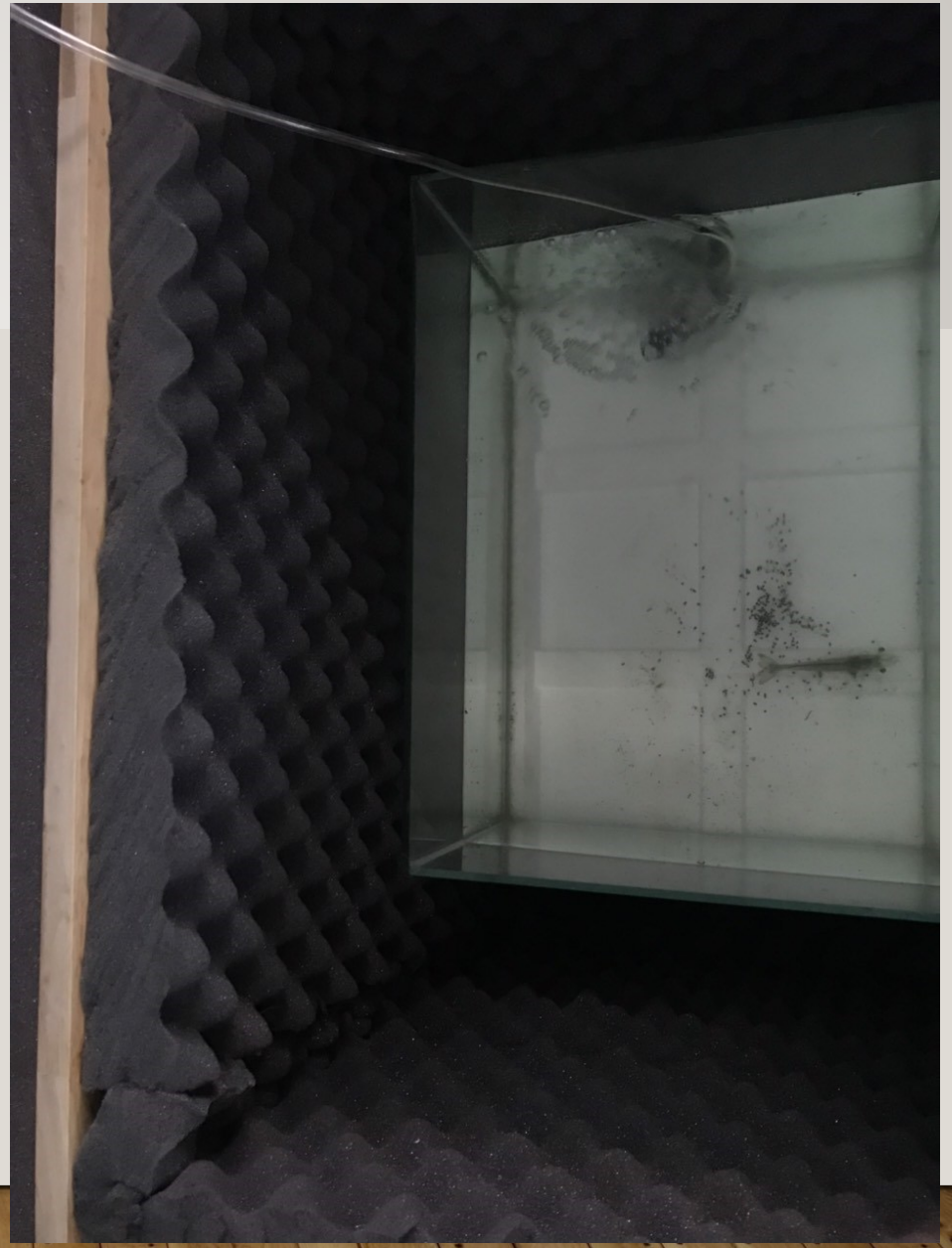


餌の種類
餌のサイズ
給餌量設定
浮上性
沈下性
SS
S
M
LM
L
SSS
1.7～2.0mm
2.7～3.0mm
5.0～5.5mm
6.5～7.5mm
8.0～9.0mm
1.3～1.5mm
1.7～2.0mm
2.7～3.0mm
5.0～5.5mm
6.5～7.5mm



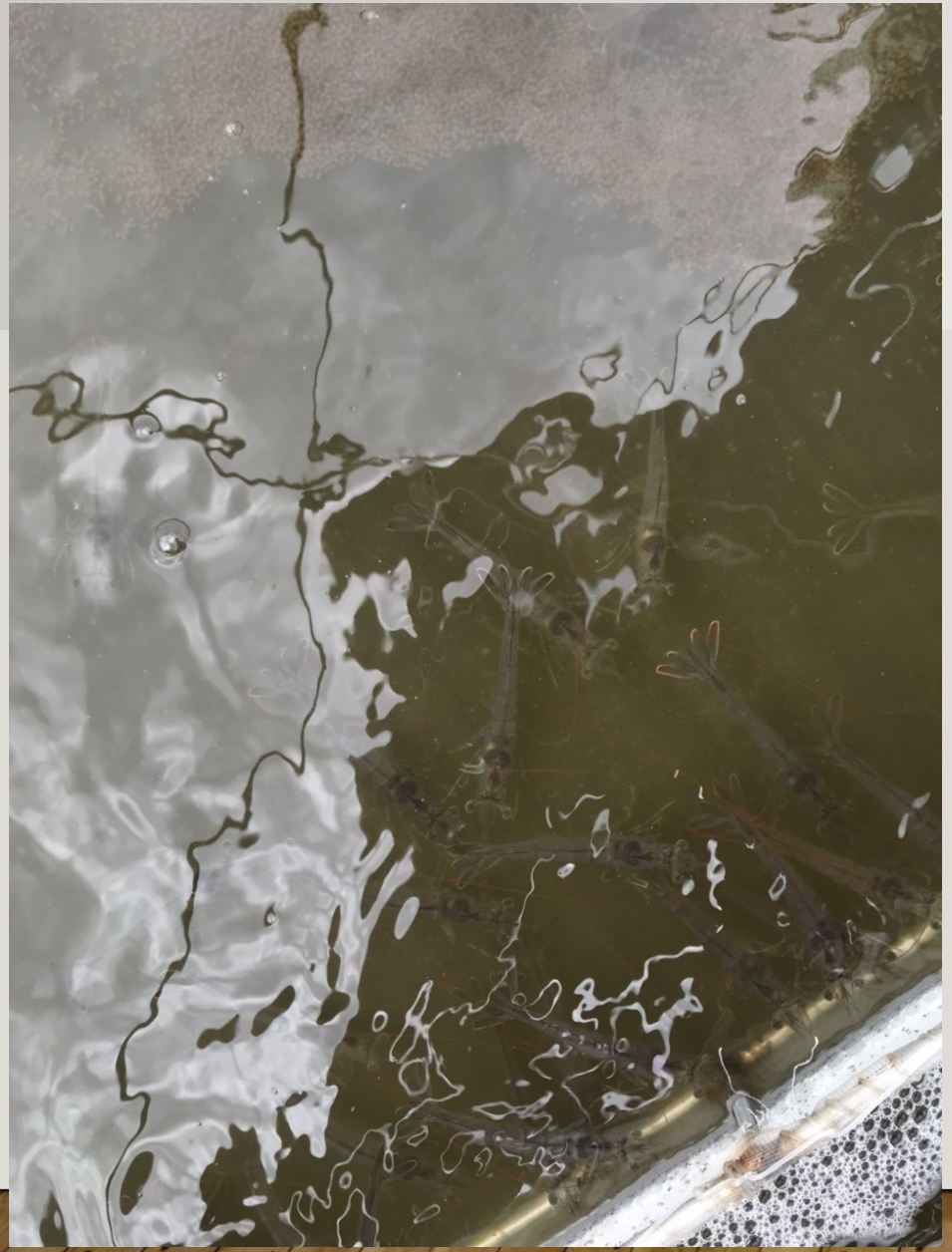


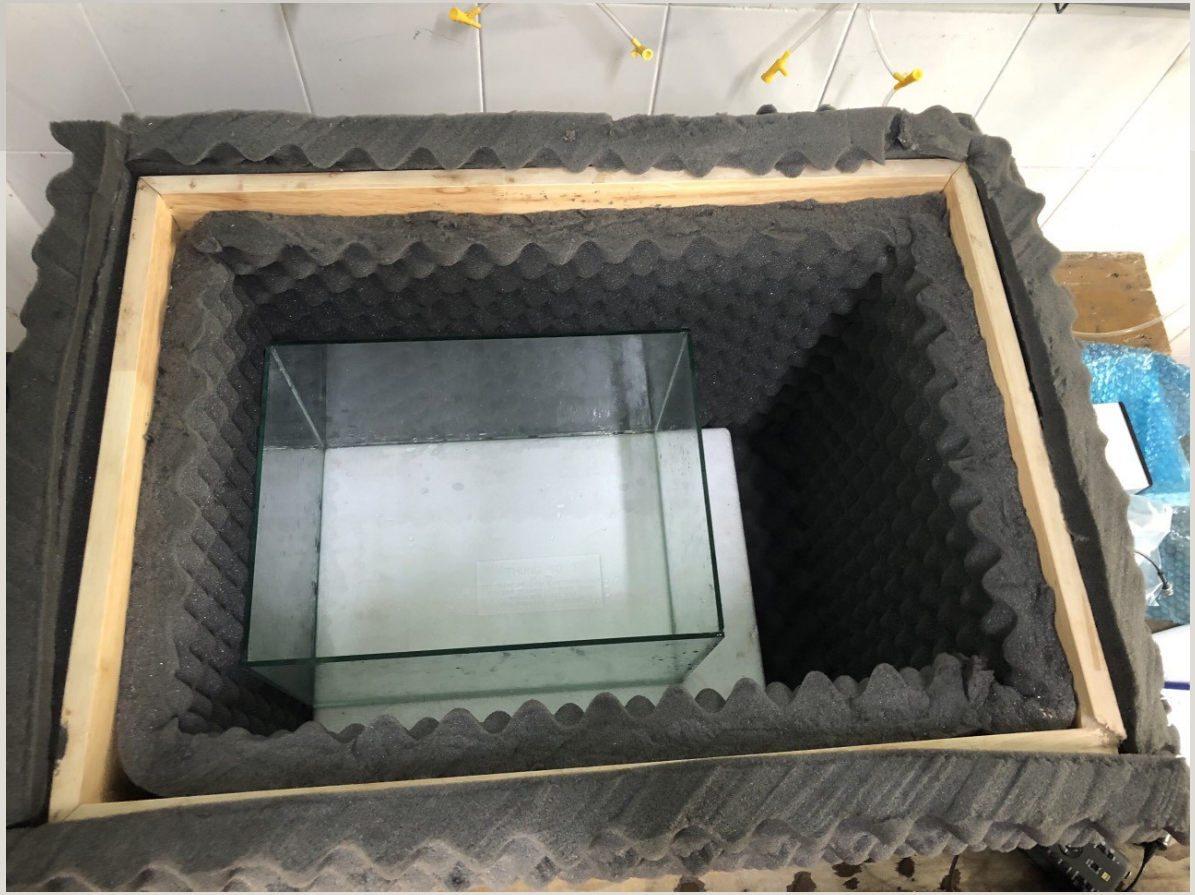




L
SONY
R
REC
T-MARK
STOP
REC PAUSE
REC

L
-20dB -12dB OVER
SONY
R
-20dB -12dB OVER
OVER
OVER
REC
0h02m27s
220514_1737.wav
LINEAR PCM RECORDER PCM-D10
T-MARK
STOP
REC PAUSE
REC





0
450
500
50 g
400
100
350
150
300
200
250
PDM 077-2007