

Field Session: Air quality monitoring with IoT Monitoring Plan

Considerations

1. Device design

Devices should be designed to withstand the unique challenges and realities of locations in which they will be deployed. A device can be mounted on either static locations (e.g., street lights or buildings) or mobile objects (e.g., vehicles and motorcycle taxis).

2. Deployment

Where and how to place a monitor at a given location are often determined by accessibility, safety, power-requirements, and what is an ideal for sampling the target pollutant.

Guide (To do in groups)

1. Identify a suitable location outdoors to deploy the air quality monitor you just assembled.
2. Place the monitor approximately 1.2 metres from the ground and away from walls or any obstacle.
3. Ensure the device is powered on.
4. Wait for about 2 minutes.
5. Check if device is sending data to the ThingSpeak channel
6. Read the values sent to the channel and compare values with those of other groups.