FYP - Automated Data Collecting System for Environment Using UAVs and Smartphones

User Guide

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## How to run the system

1. Boot the Raspberry Pi

2. Connect the Wi-Fi named “Navio” from your raspberry Pi AP

A picture containing monitor, black, screen, remote

Description automatically generated

3. run monitor.py on your laptop

python3 monitor.py

4. Press Connection in the navigation bar from the monitor APP

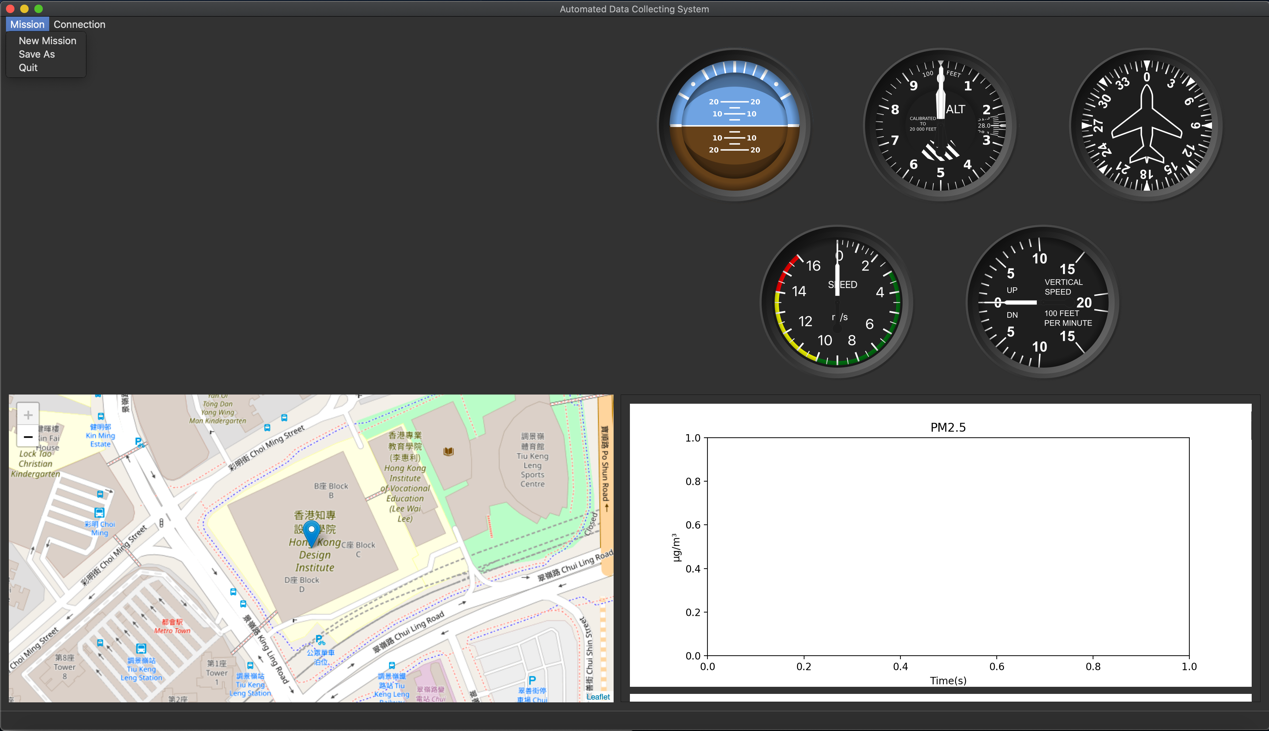
A picture containing monitor

Description automatically generated

5. Press the Connect button to make connection between the UAV and the notebook

## How to save data

1. Press the Mission button on the Navigation bar



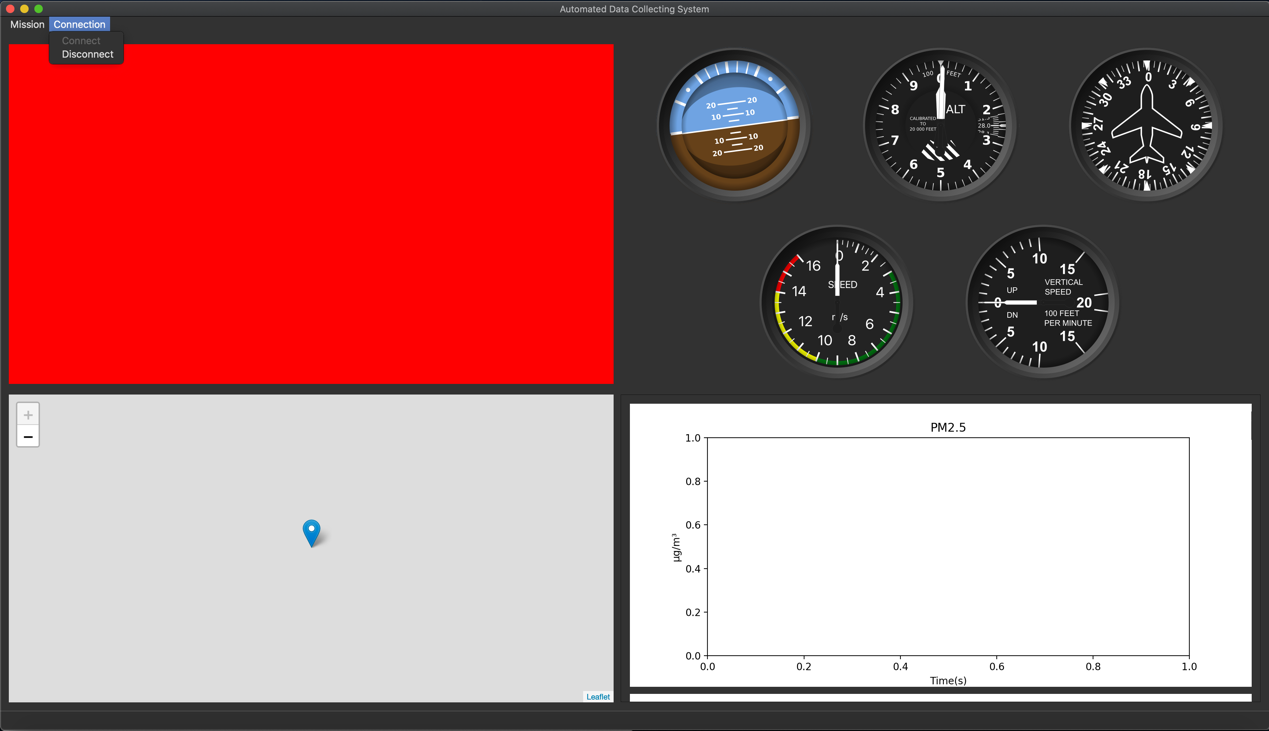
2. Press the Save As button to select the path that you want to save

A screenshot of a computer screen

Description automatically generated

## How to disconnect the UAV

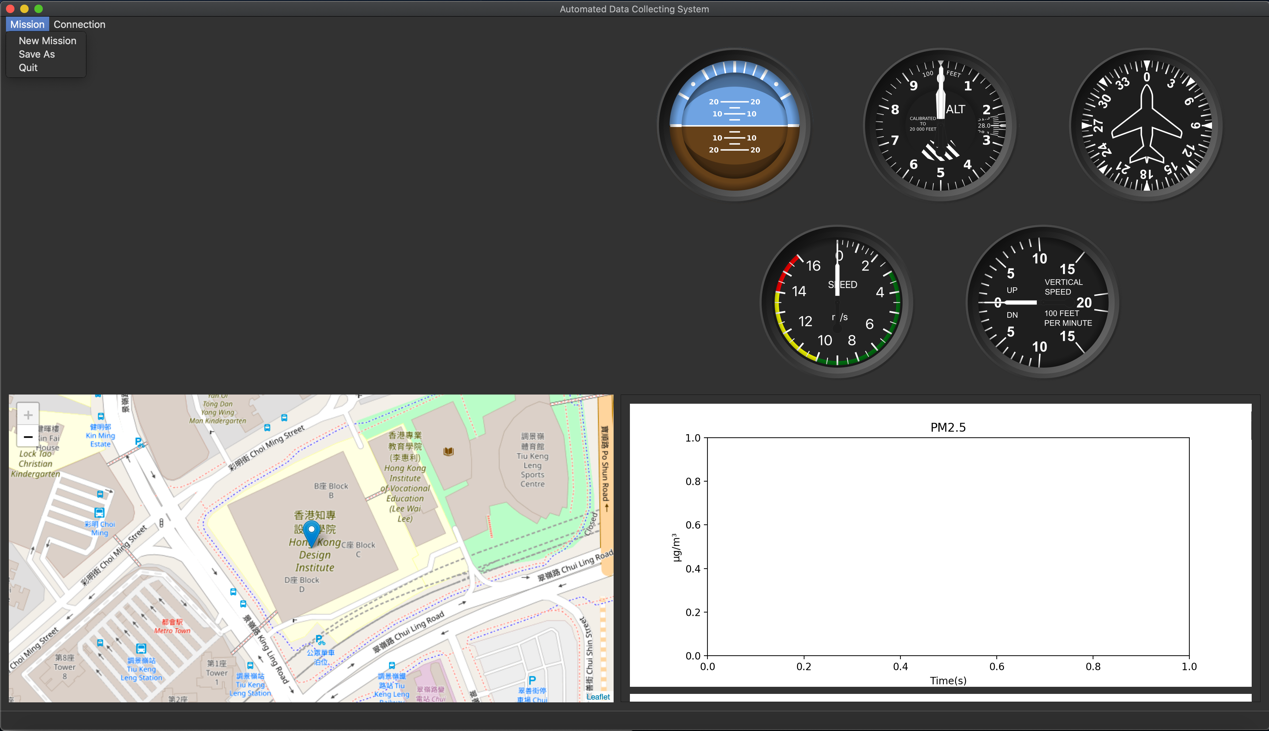
1. Press the Connection button on the Navigation bar



2. Press the Disconnect button to disconnect the UAV

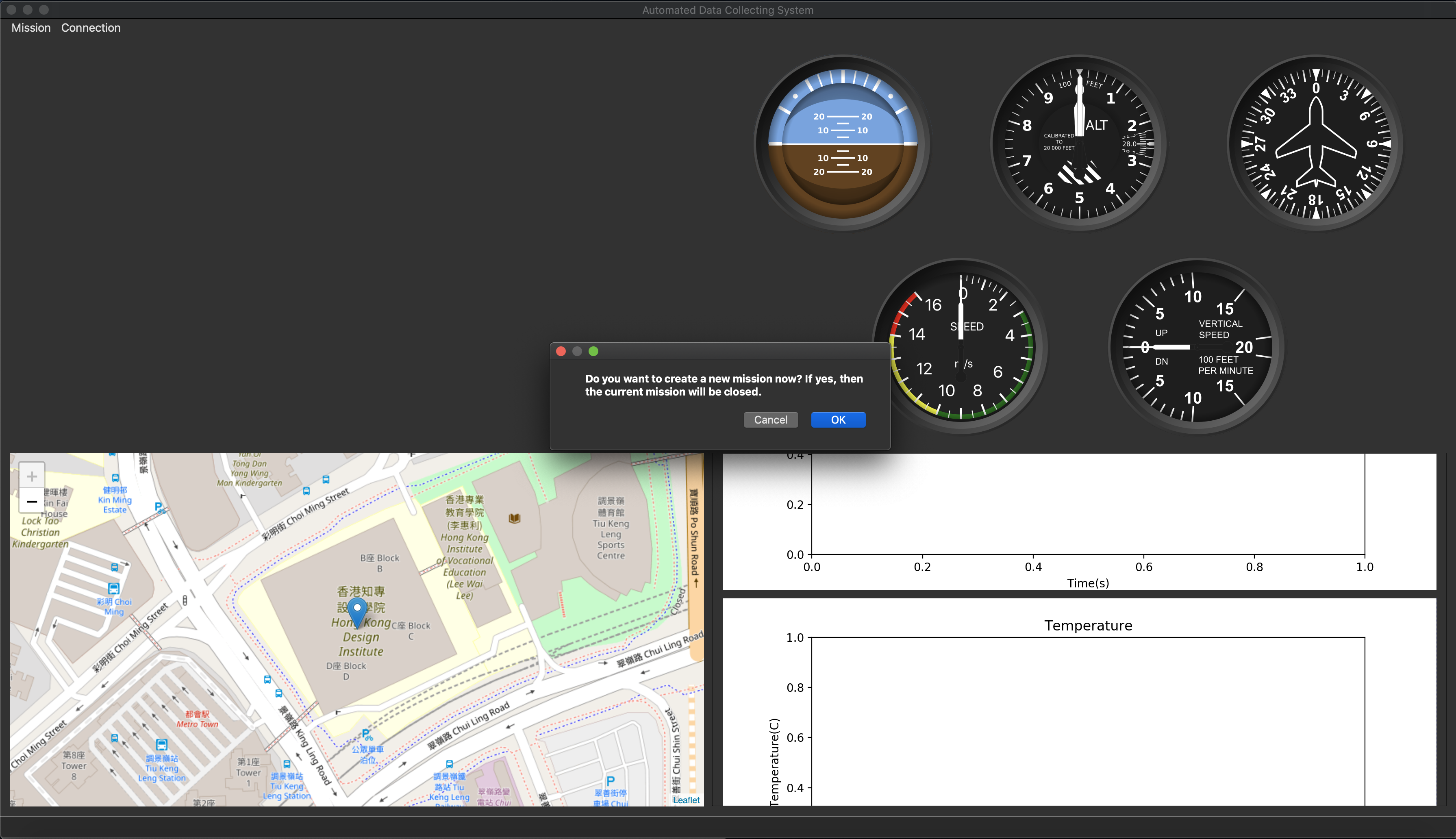
## How to clear the old mission

1. Press the Mission button on the Navigation bar



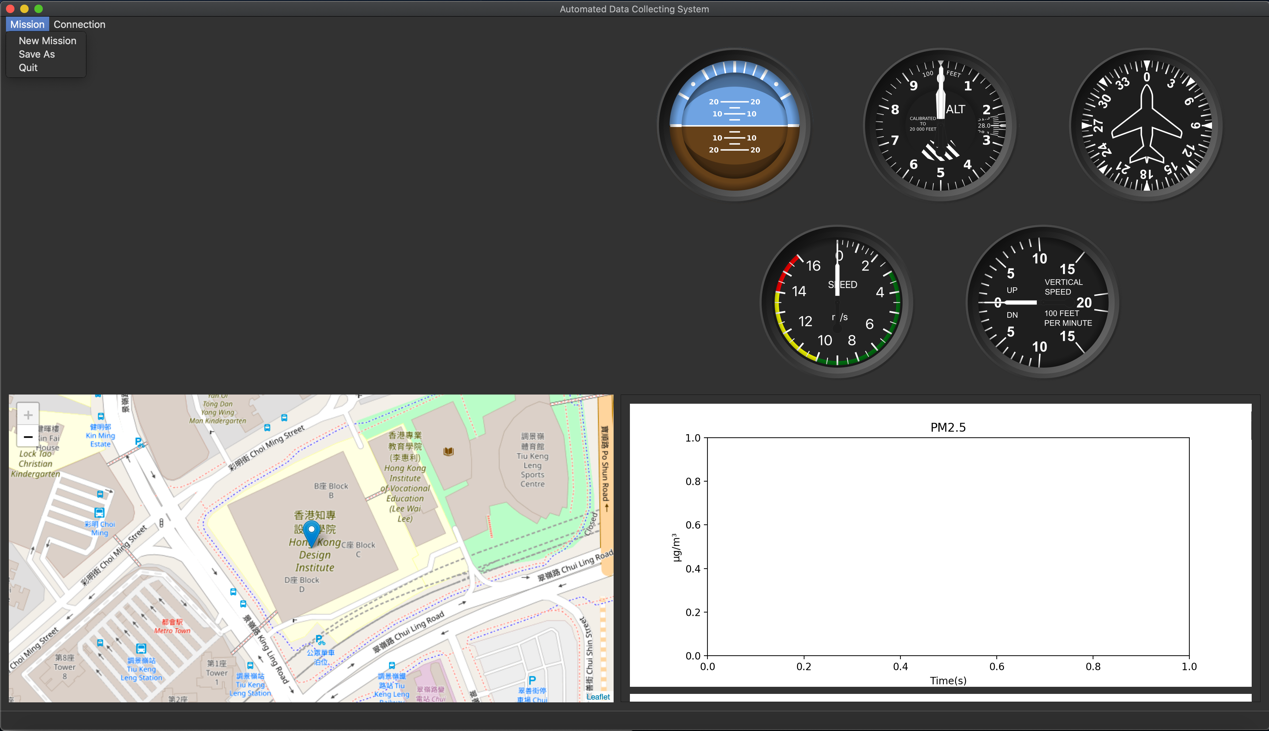
2. Press the New Mission button to start a new missions

It will clear all the data from previous mission, please save before you start a new mission.



## How to quit the application

1. Press the Mission button on the Navigation bar



2. Press the quit button

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