UAV-mounted Weather Station

Software Inspiration

- https://www.uavforecast.com/

Instructables Projects Inspiration

- https://www.instructables.com/Solar-Powered-WiFi-Weather-Station-V30/
- https://www.instructables.com/Outdoor-3D-Printed-Wireless-IoT-Weather-Station/

Sensors List

- Air Quality Sensor

https://www.hellasdigital.gr/?match=all&subcats=Y&pcode_from_q=Y&pshort=Y&pfull=Y&pname=Y&pkeywords=Y&search_performed=Y&q=air+quality+sensor+&dispatch=products.search&security_hash=29d350505e32165e7ae54cd6d6c23c49

- UV Sensor

https://dronebotworkshop.com/arduino-uv-index-meter/

https://www.hellasdigital.gr/?match=all&subcats=Y&pcode_from_q=Y&pshort=Y&pfull=Y&pname=Y&pkeywords=Y&search_performed=Y&q=uv+sensor+arduino&dispatch=products.search&security_hash=29d350505e32165e7ae54cd6d6c23c49

- Temperature and Humidity

https://www.hellasdigital.gr/?match=all&subcats=Y&pcode_from_q=Y&pshort=Y&pfull=Y&pname=Y&pkeywords=Y&search_performed=Y&q=temperature+and+humidity+sensor&dispatch=products.search&security_hash=29d350505e32165e7ae54cd6d6c23c49

- Light Sensor

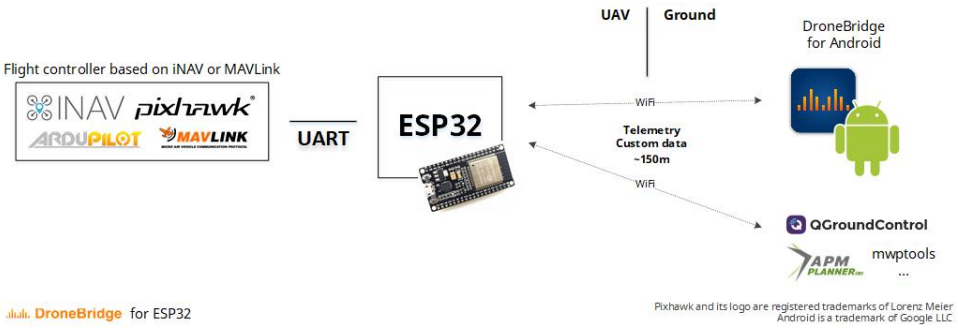
https://www.hellasdigital.gr/?match=all&subcats=Y&pcode_from_q=Y&pshort=Y&pfull=Y&pname=Y&pkeywords=Y&search_performed=Y&q=light+sensor+arduino&dispatch=products.search&security_hash=29d350505e32165e7ae54cd6d6c23c49

- Barometric Sensor

https://www.hellasdigital.gr/?match=all&subcats=Y&pcode_from_q=Y&pshort=Y&pfull=Y&pname=Y&pkeywords=Y&search_performed=Y&q=Barometric+Pressure+Sensor&dispatch=products.search&security_hash=29d350505e32165e7ae54cd6d6c23c49

Ardupilot and ESP32

- ESP32 WiFi telemetry. (n.d.). Retrieved from https://ardupilot.org/plane/docs/common-esp32-telemetry.html



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