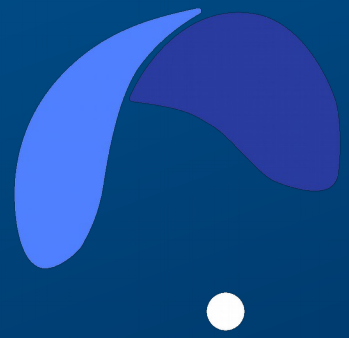
TECHNISCHE UNIVERSITÄT DRESDEN

DRESDEN concept

Application Development for Mobile and Ubiquitous Computing

# GliderMate
## A paragliding tracking app

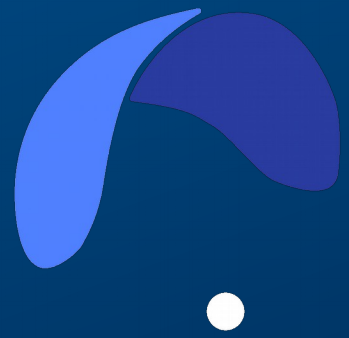


Group 14: Jonathan Seitz

# Context

Who needs it?

What is the use case?



# Use case – What is the app about?

A native Android-Application to support paraglider pilots during and after their flights.

**Core features**:

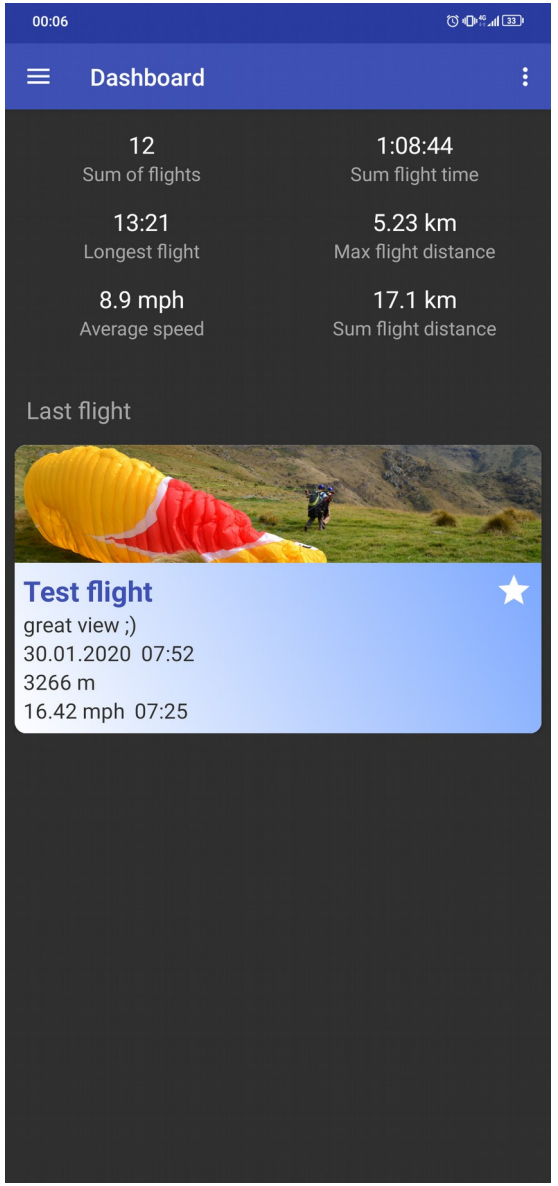
- During the flight:
  - Map view with current position marked
  - Compass
  - Track and store flights
  - Show essential flight information (speed, distance, height...)

- After the flight:
  - Show flight route
  - Display flight summary (average speed, time, ...)

- Settings:
  - Allow customization (speed unit, map zoom, gps precision...)

**→ Target group: Paraglider pilots**

**→ Benefits: safer flights, pilot support, fun...**



# Why do they need an app for it?

There are special devices for this use case.

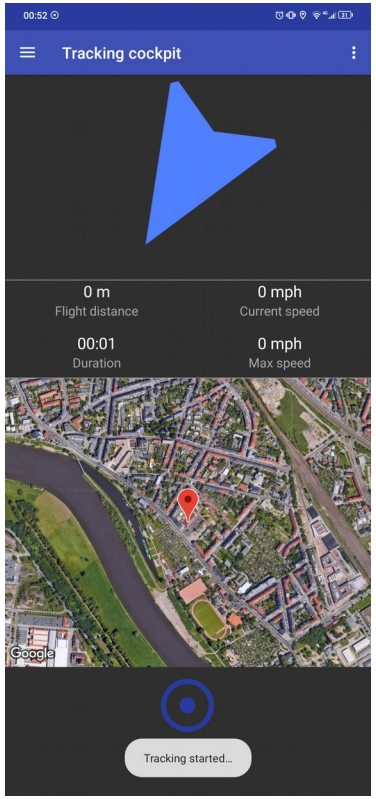

[1]

# Why do they need an app for it?

There are special devices for this use case.


[1]

vs



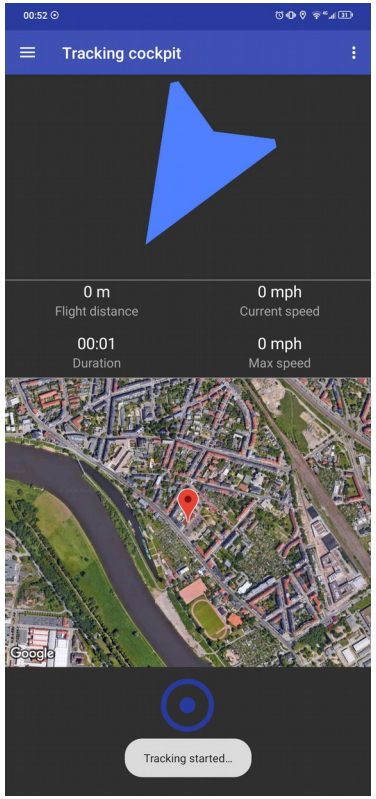
# Why do they need an app for it?

There are special devices for this use case.


[1]

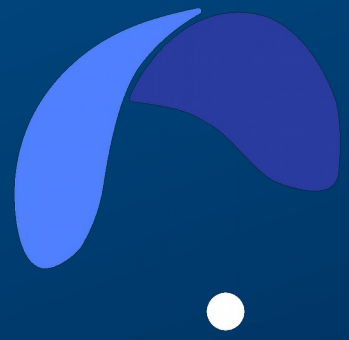
**599€**

**vs**

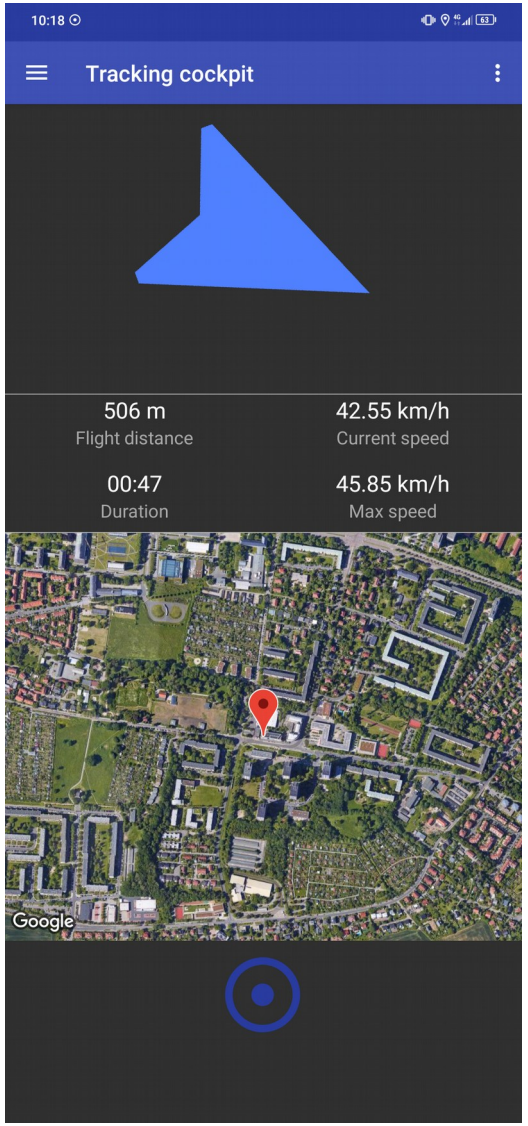


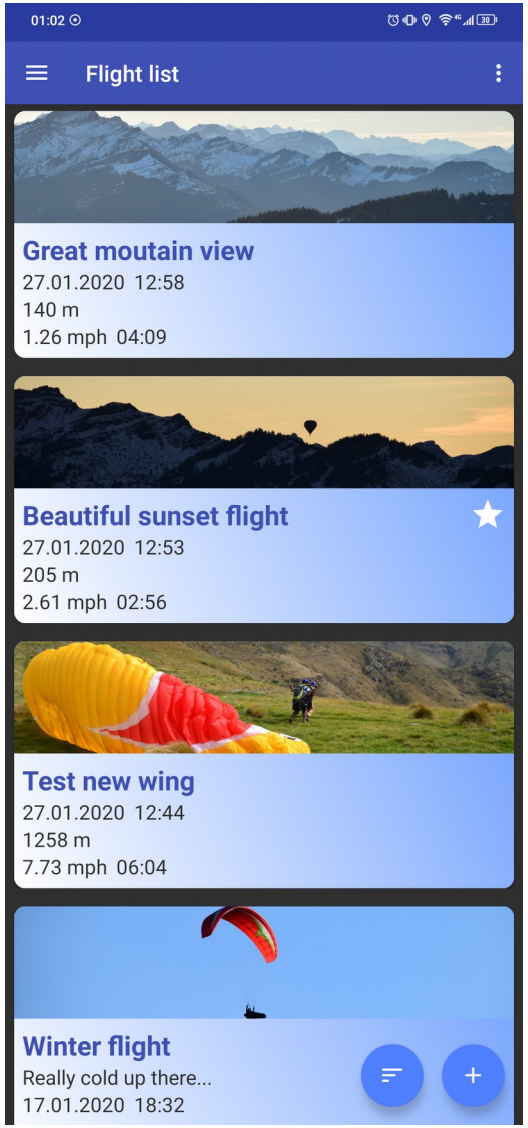

**0€**

# App presentation
Screenshots and demo

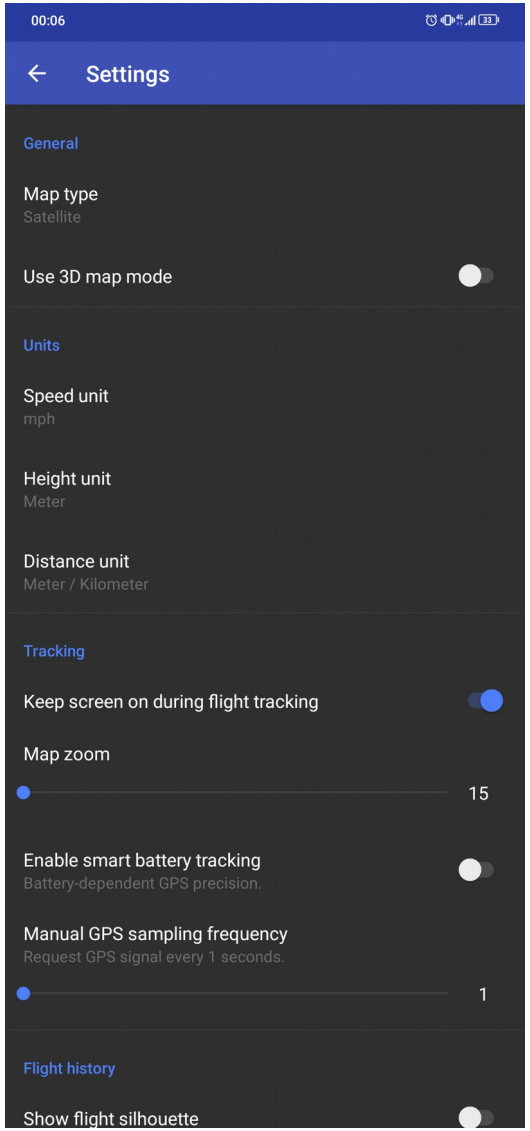


# Screenshots

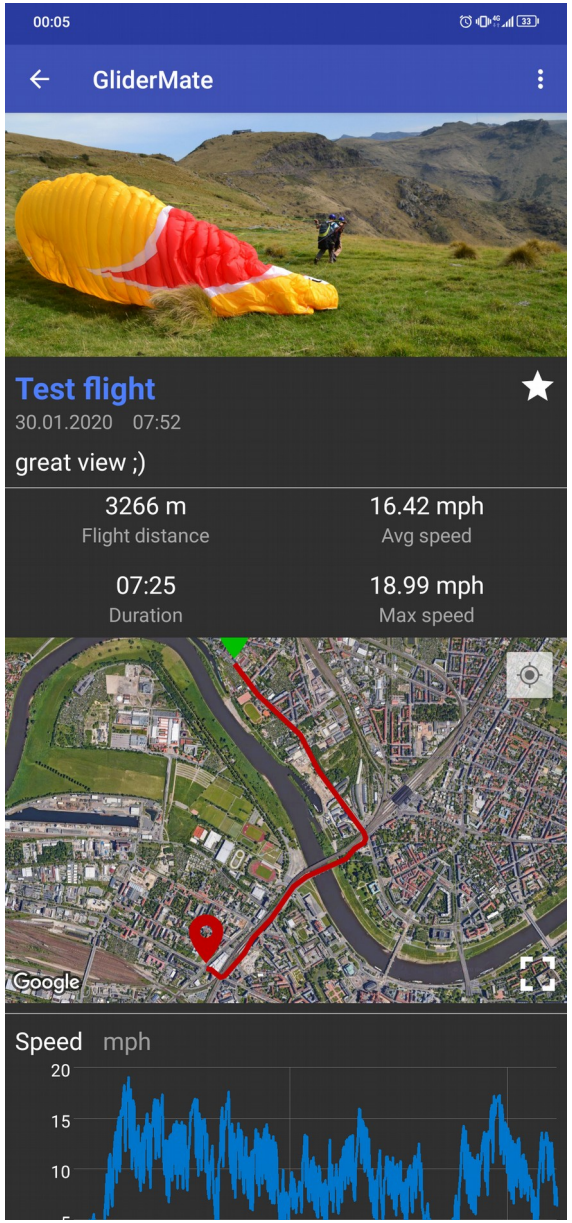


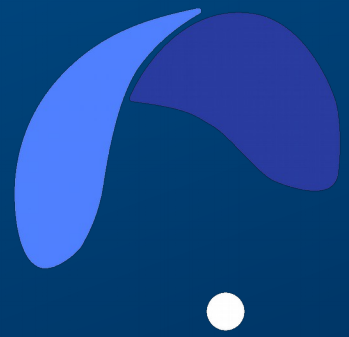




# Demo


00:05
GliderMate
Test flight
30.01.2020 07:52
great view ;)
3266 m
Flight distance
16.42 mph
Avg speed
07:25
Duration
18.99 mph
Max speed
Google
Speed mph
20
15
10

# Marketing concept



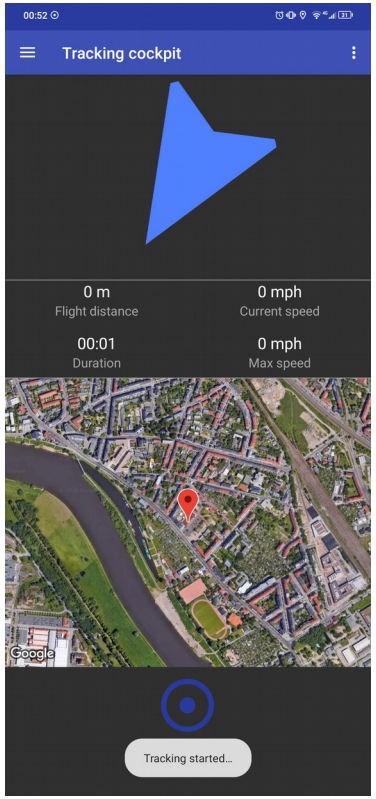
# Why do they need an app for it?

There are special devices for this use case.


[1]

**599€**

**vs**




**0€**

# Marketing concept & vision

The application is for free, but you can buy a toolbox with better sensors that the app can handle. The toolbox includes:

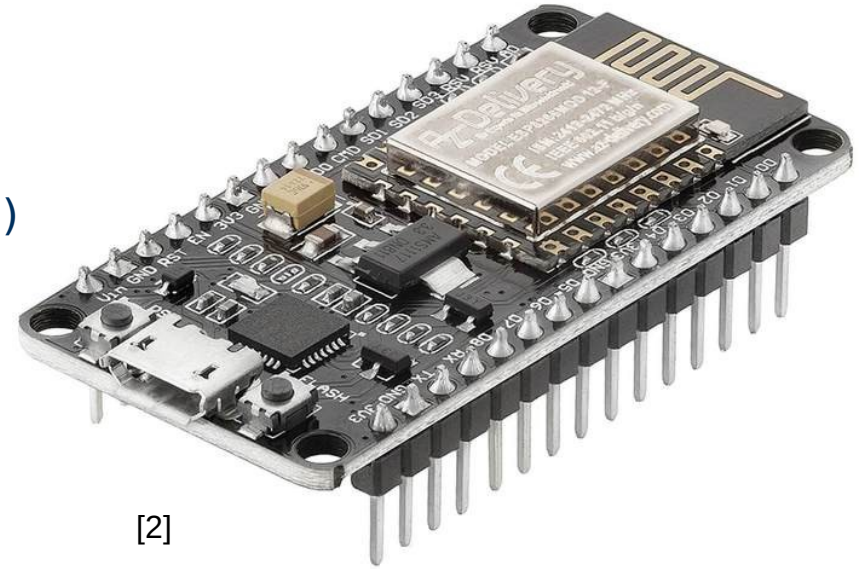
- Variometer

- better GPS-Sensor

- Connectionchip to connect sensors and phone

- Power bank (handles the power consumption of sensors & phone)

→ **Test everything and if you like it, you can buy precision**



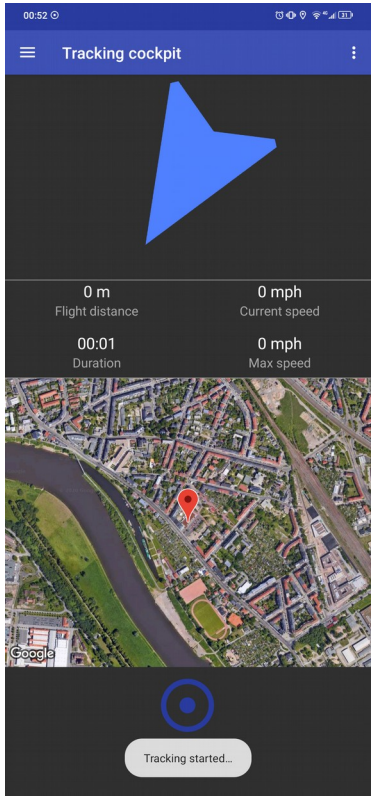
[2]

# Why do they need an app for it?

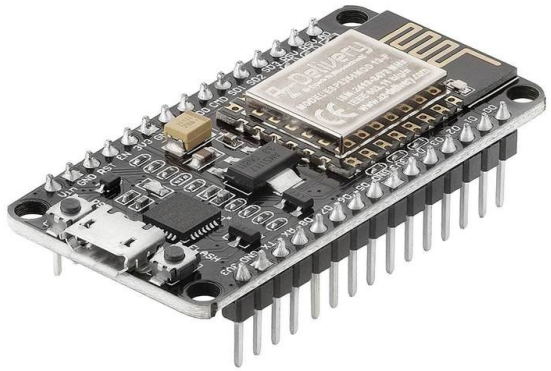
There are special devices for this use case.


599€

vs



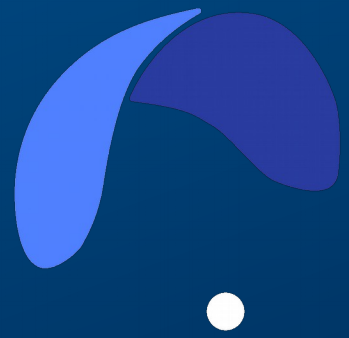

+



60€

# **Discussion**

Questions?
Feedback?
Ideas?



# References

Images:

[1] https://www.para-zone.de/media/image/eb/2f/48/naviter-oudie-4-basic-44111-a10965_600x600.jpg

[2] https://cdn.shopify.com/s/files/1/1509/1638/products/1.Main_1x_NodeMCU_LUA_Amica_V2_Modul_mit_ESP8266_12E_1_Changed_1_x700.jpg?v=1576764570