# PBL Flagship Project 2023-2024
# Nano-Drone Open Research-Platform
## With Bachelor/Semester/Master Thesis / PhDs and Staff at PBL

Flying a drone with a remote controller is cool, making a nano-drone autonomously flying everywhere is mind-blowing!
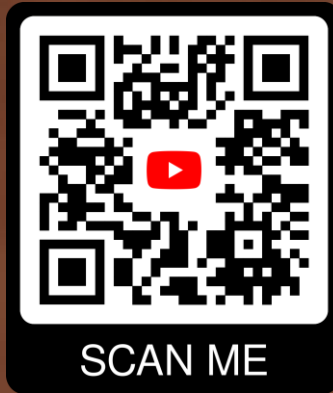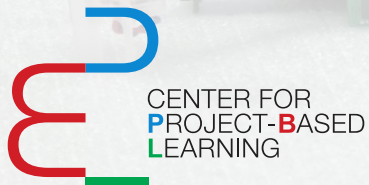
Based on the commercial open-source nano-drone Crazyflie 2.1 you can design, build, and test your own idea, including weight-optimized hardware, novel sensors, real-time perception and ML models. Imagine a 27 grams drone, completely autonomous, navigating among people and random objects.
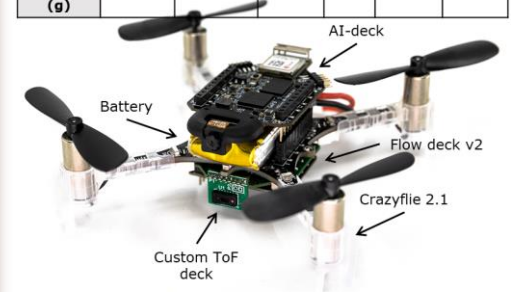
Fiction?
**No, it will be real if you join us!**

We are looking for motivated students in the following areas:
PCB Design, Robotic Systems, tinyML, machine learning and system integration



SCAN ME

| Part | Crazyflie 2.1 | Custom ToF deck | Battery | AI-deck | Flow deck v2 | Total |
|---|---|---|---|---|---|---|
| Weight (g) | 21 | 2.3 | 9.5 | 4.4 | 1.6 | 39 |



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