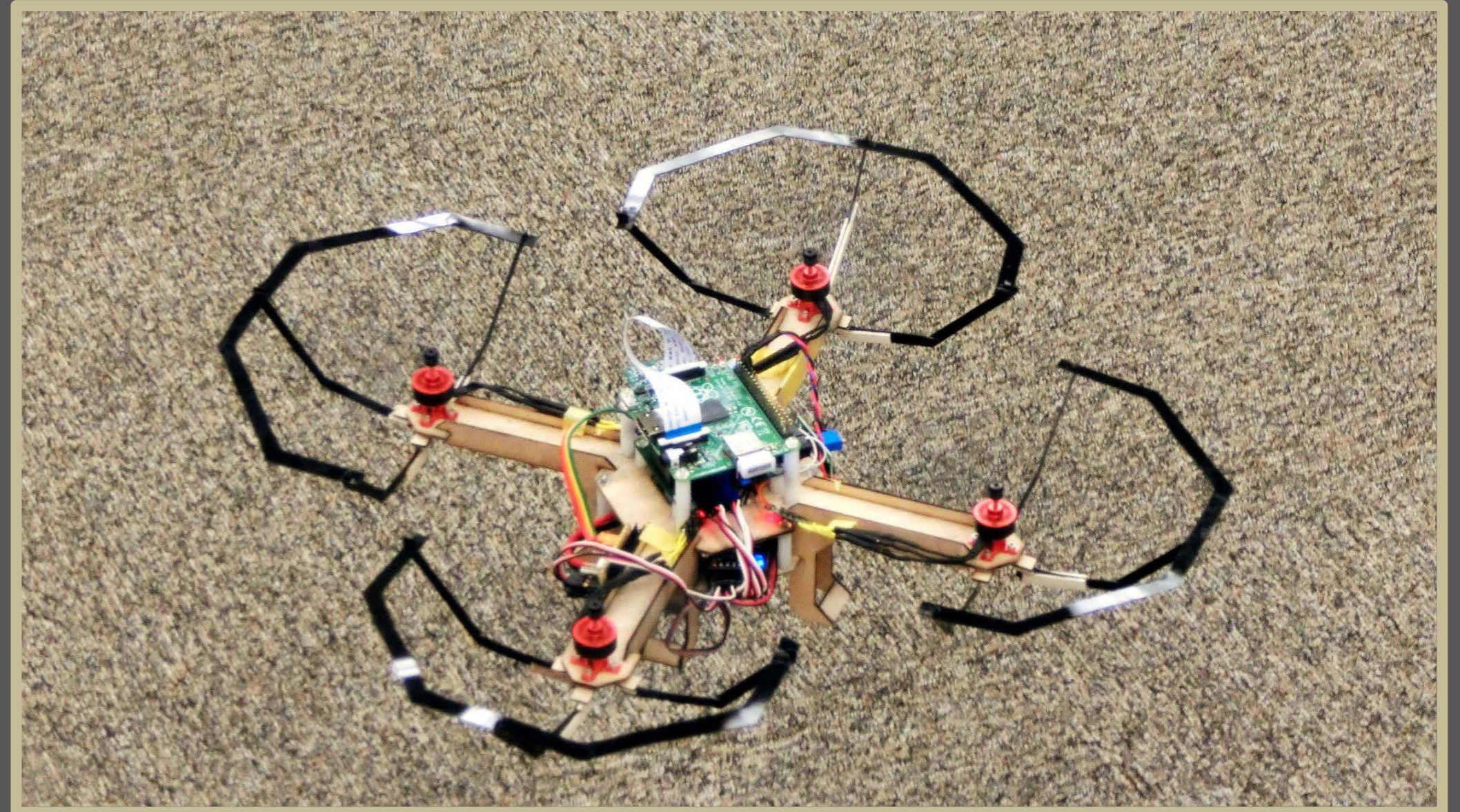


## Concepts & Features

### ● Easy to Adjust

- Simple & Strong Structure
- Self-making Control System

### ● Safe Design



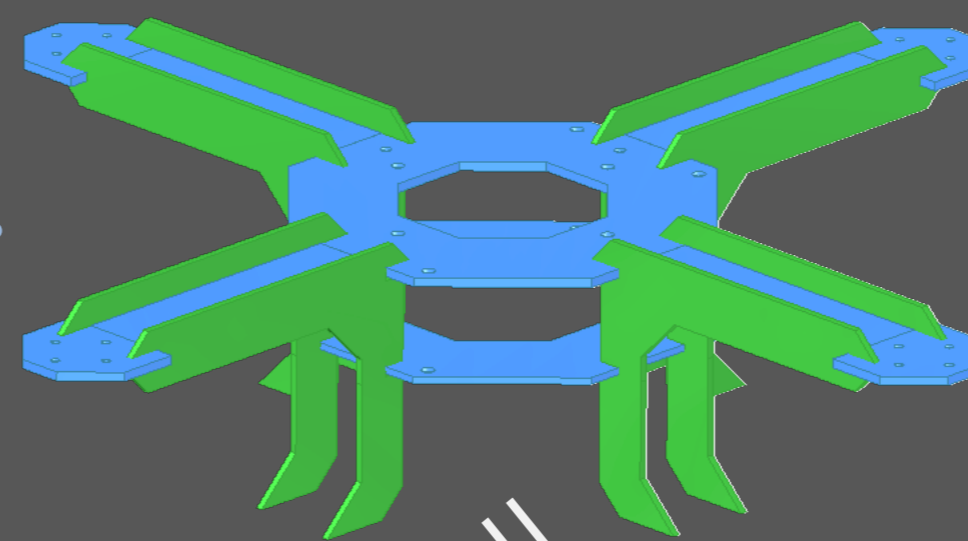
## Structure

### High Strength & Light Weight

- Main Structure is 3-Layer Structure.
- Each Motor arm has 2 Libs.

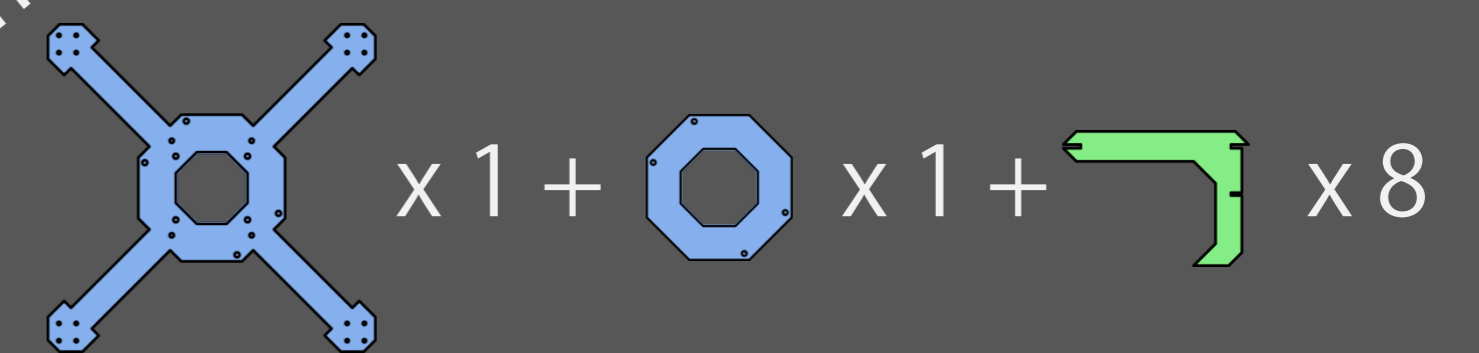
### Simplicity

- Main Structure consists of 3 types of parts.
- It enables us to assemble & remake easily.



### Layer Composition

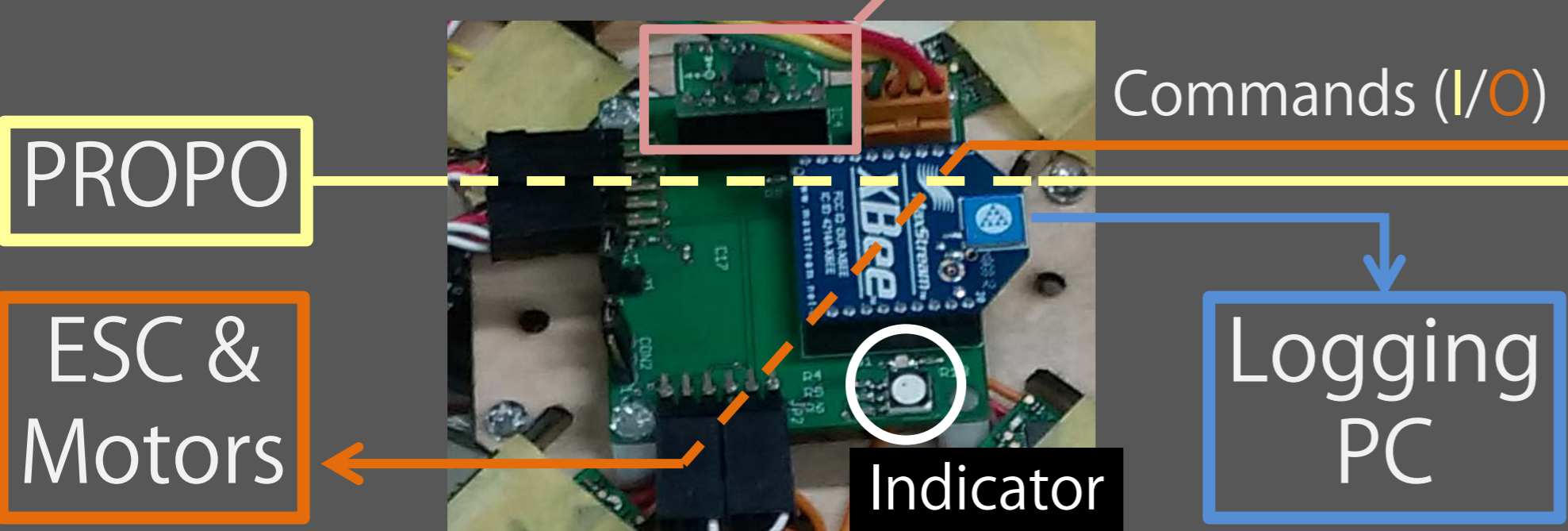
- Top : Control board
- Mid : Battery & Receiver
- Bot : Relief goods



## Control System

### Self-making & Easily Programmable

### Control Board

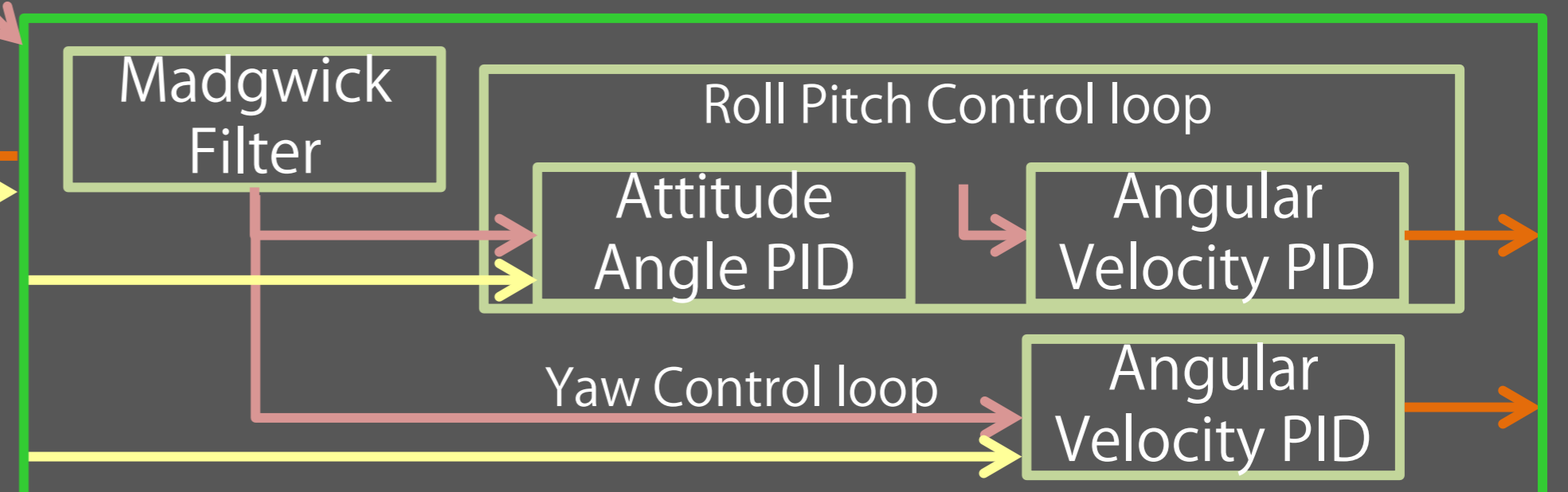


### Control Algorithm

State Estimation: Madgwick Filter

Controller: PID

@Microcontroller : STM32F401



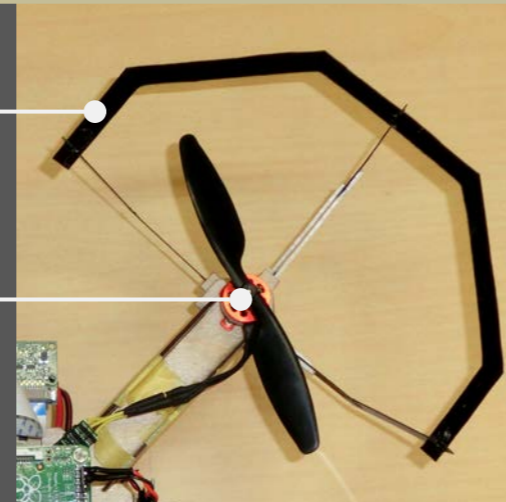
## For Safety

### Propeller Guard

Each Propeller has Flexible Guard.

Guard

Motor & Prop.



### Unmistakable arm system

To arm Quads, prescribed input is required.

### Fail Safe Mode

When commands are lost, Quads disarms.

## Other Specification

### Measurements

- ✓ Width x Height 340 mm x 110mm
- ✓ Empty Weight 295 g

### Equipment

- ✓ Propeller 5 inch x 3 inch
- ✓ Motor 2900 KV Brushless
- ✓ Battery Li-Po 2S 850mAh
- ✓ Camera Raspberry Pi A+