



AME DRONE PLATFORM

Requirements
and targeted architecture

AME Drone Platform

1. Requirements

To finish the AME Drone payload-carrier platform the following requirements must be fulfilled:

- The final AME Drone Platform shall be able to safely land without breaking
- The final AME Drone Platform shall not weight more than 250g
- Without paywall the AME Drone platform shall be able to fly at least for 30 minutes
- The AME Drone Platform shall provide a 5V DC-interface < 10W for the payload

2. Targeted Architecture:

The AME Drone payload-carrier platform shall be designed as a quadcopter and shall contain at least the following functional blocks:

- Flight controller
- 4 Motors including motor controllers
- GPS Modul
- Remote Controller receiver
- Accumulator
- Gyro modul