

Safety Policy



IF **battery** < 10%
AND **altitude** > 25 m
THEN **deploy parachute**

**Test
Generator**

**Test
Params**

Test Feedback

Full SITL Simulator

Drone Software Stack

Mission Planner ✗

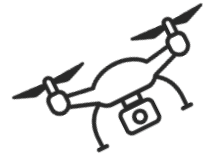
Navigator ✗

Emergency Ctl ✓

Battery ✓

Alt. Estimator ✓

Physics Engine



Simulated Vars

- Battery ✓
- Altitude ✓
- X/Y/Z Pos. ✗
- Wind ✗
- ...

**Property
Violation
Monitor**

Violation?



"Parachute Didn't Deploy!"