



# Pelican

Ignite Funded Waterproof UAS



# Proven Platform

- Zephyr II
- Paparazzi Autopilot
- Android Based Camera System



The screenshot shows the GCS (Ground Control Station) software interface. The main window displays a 2D map of a field with various flight paths and markers. The interface includes several panels:

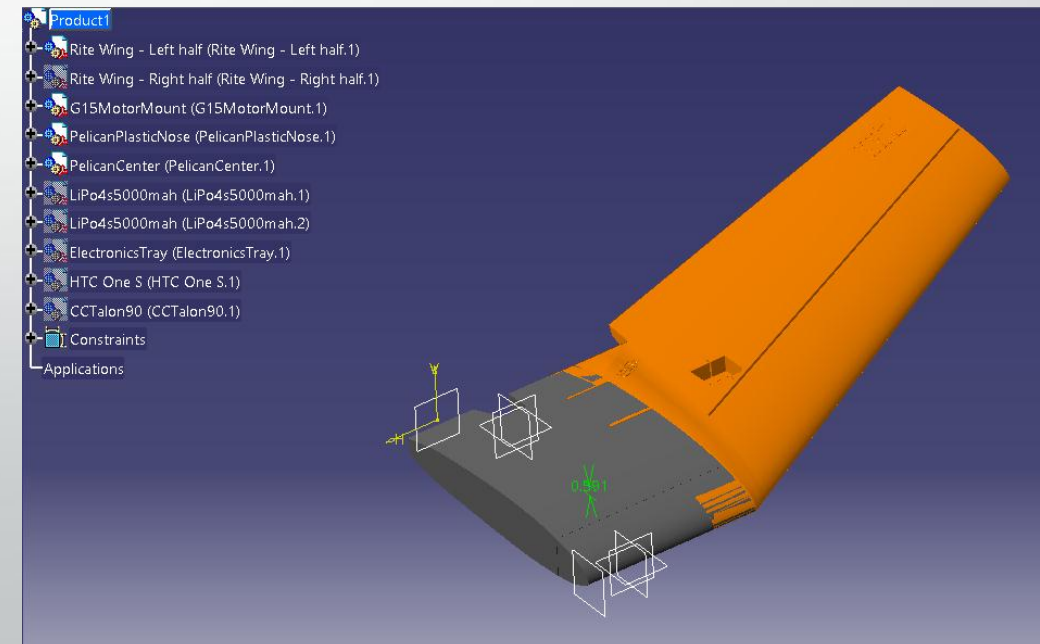
- 2D Map:** Shows a top-down view of the field with flight paths, markers, and a red box highlighting a specific area.
- Strips:** A panel showing flight data for two aircraft (TJ1 and MI2).

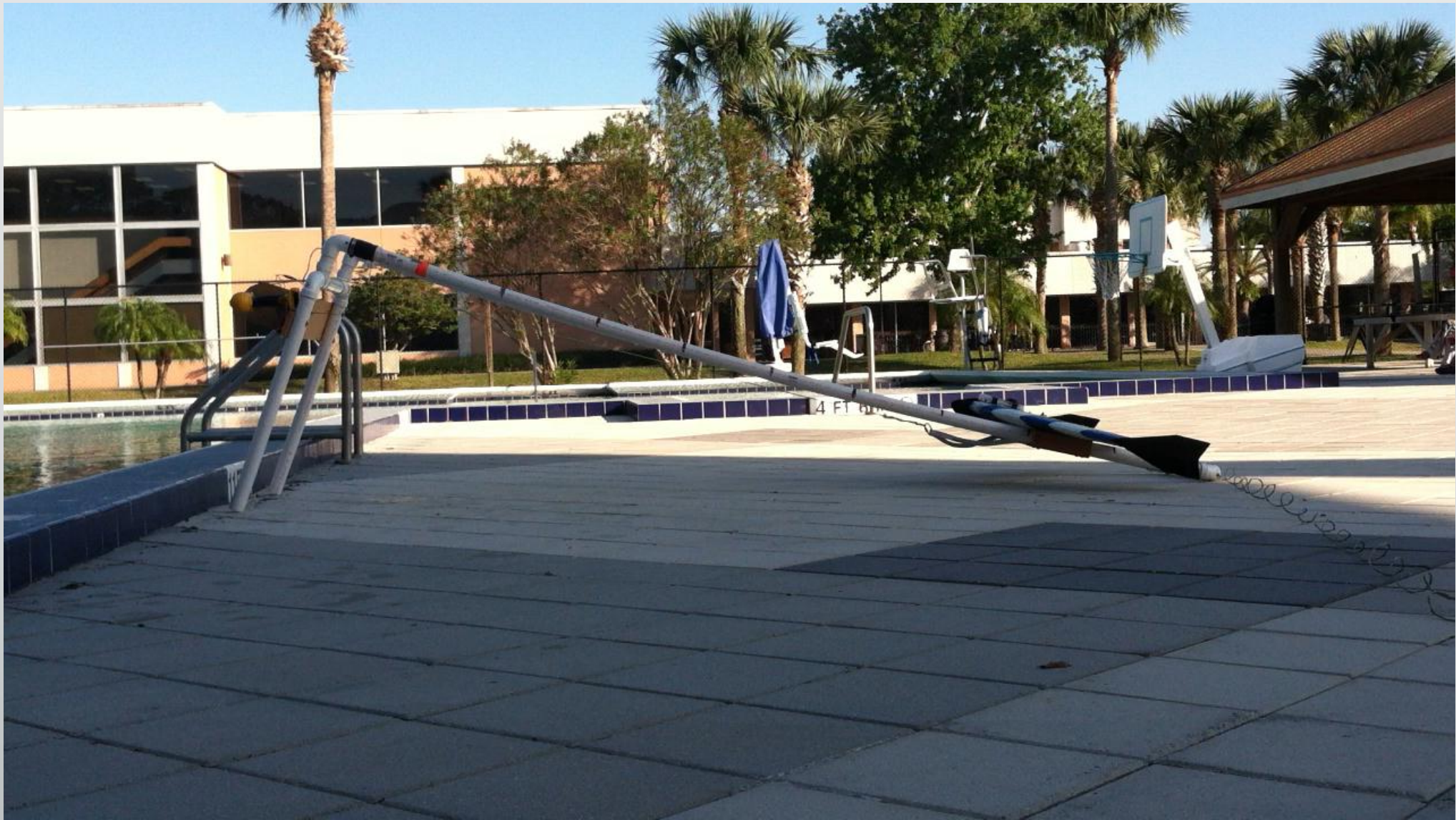
Time	Status	AGL	Block	Time	Stage	ETA
00:00:35	11.6m/s	43%	Standby	00:26	00:26	N/A
12.5	NONE	+0.1				
Link	3D	/Target	Alt			
		-6m	254m / 260m			
- Notebook:** A panel showing a circular gauge and various settings.
- Console:** A panel showing a log of flight events.

```
13:46:59 TJ1, UNK
13:46:59 TJ1, mayday, kill mode
13:47:01 MI2, AUTO2
13:47:01 TJ1, AUTO2
13:47:01 MI2, mayday, kill mode
13:47:02 MI2, Geo init
13:47:04 TJ1, Holding point
13:47:11 MI2, Holding point
13:47:58 TJ1, Takeoff
13:48:05 MI2, Takeoff
13:48:07 TJ1, Standby
13:48:11 MI2, Standby
```

# Research Opportunities

- Design for Manufacturing
- Material and Component Testing
- Impact Analysis
- Unmanned System Operations
- Systems Integration and Testing







# Future Opportunities

- Final Product Manufacturing
- Naval Warning Zone Operations
- Delivery and Training

