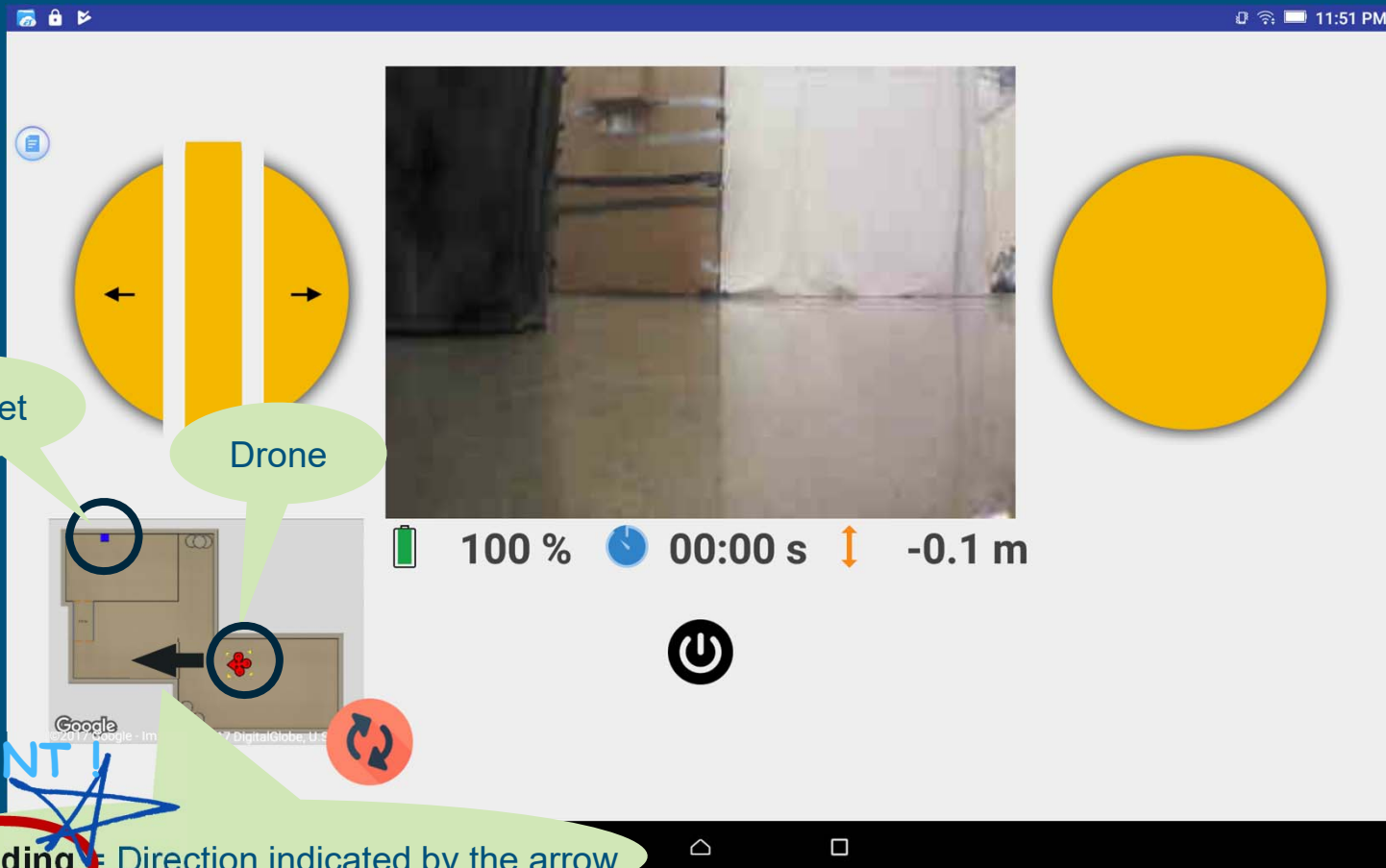




Module 2

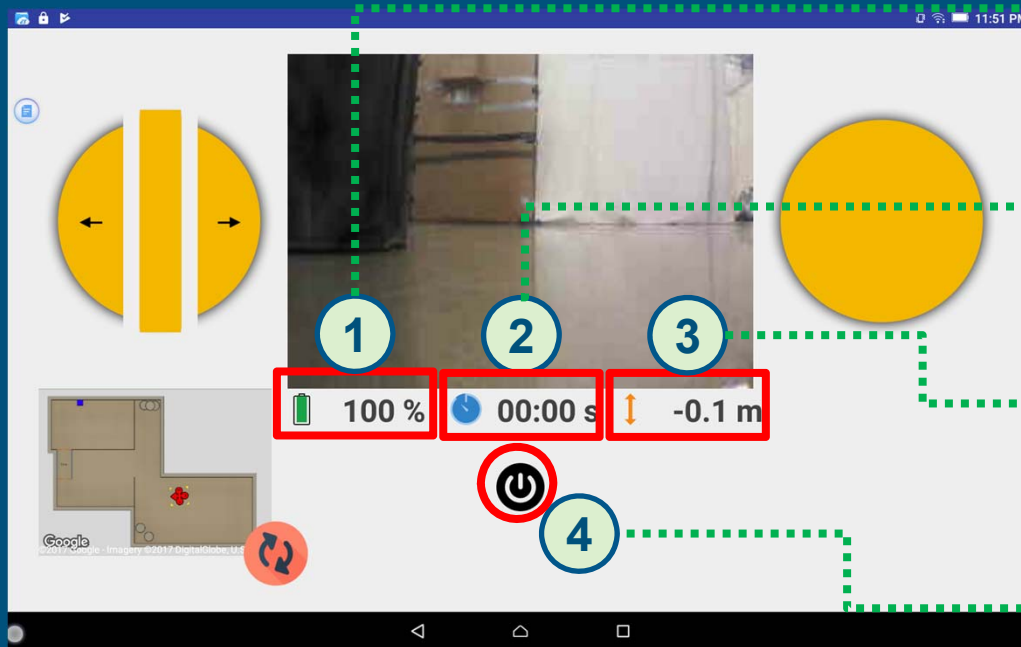
Control App Interface

Manual Control App



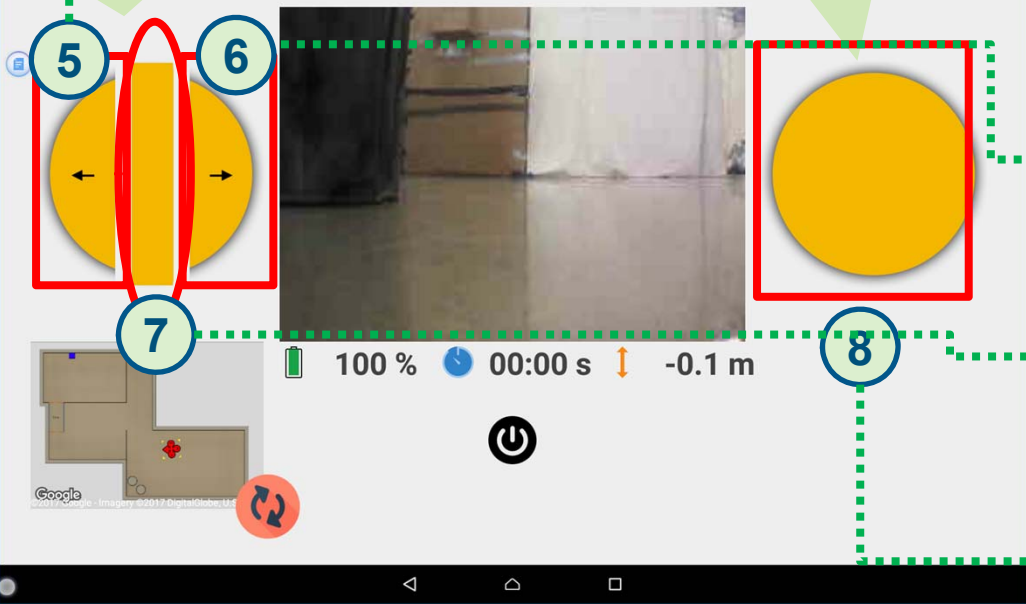
IMPORTANT!

Manual Control App



1. **Battery status**
: Displays the battery life (in percentage).
2. **Flight Time Record**
: Shows the flight time since takeoff (in seconds).
3. **Altitude**
: Shows the current altitude of the drone (in meters).
4. **Power Button**
: Turns the drone on / off

Manual Control App



The screenshot shows a drone control interface with a central video feed. On the left is the 'Left Joystick' and on the right is the 'Right Joystick'. The interface includes a battery level indicator (100%), a timer (00:00 s), and an altitude indicator (-0.1 m). A power button is located below the video feed. A map is visible in the bottom left corner. Numbered callouts (5, 6, 7, 8) are connected to specific controls: 5 and 6 are on the left joystick, 7 is on the altitude indicator, and 8 is on the right joystick.

Left Joystick

Right Joystick

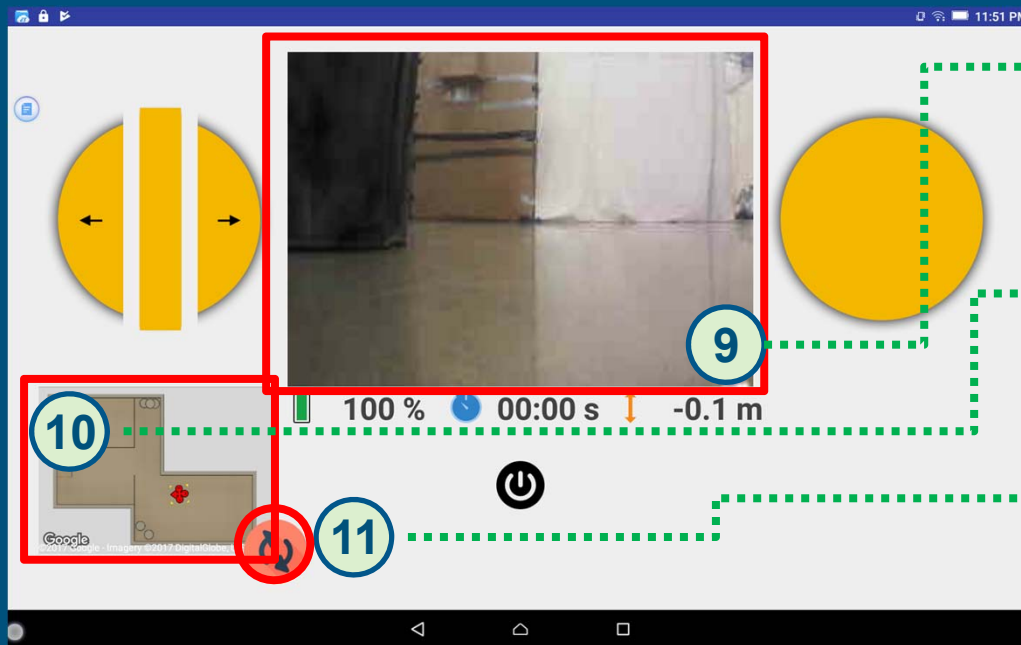
5. Rotation Controller
: Rotate left

6. Rotation Controller
: Rotate right

7. Altitude Controller
: Controls altitude of drone

8. Right Joystick
: Directs lateral movement

Manual Control App



9. Live Video Feed
: Shows live video stream

10. Map
: Shows 2D map

11. View Switch Button
: Swaps the live video feed window and map window

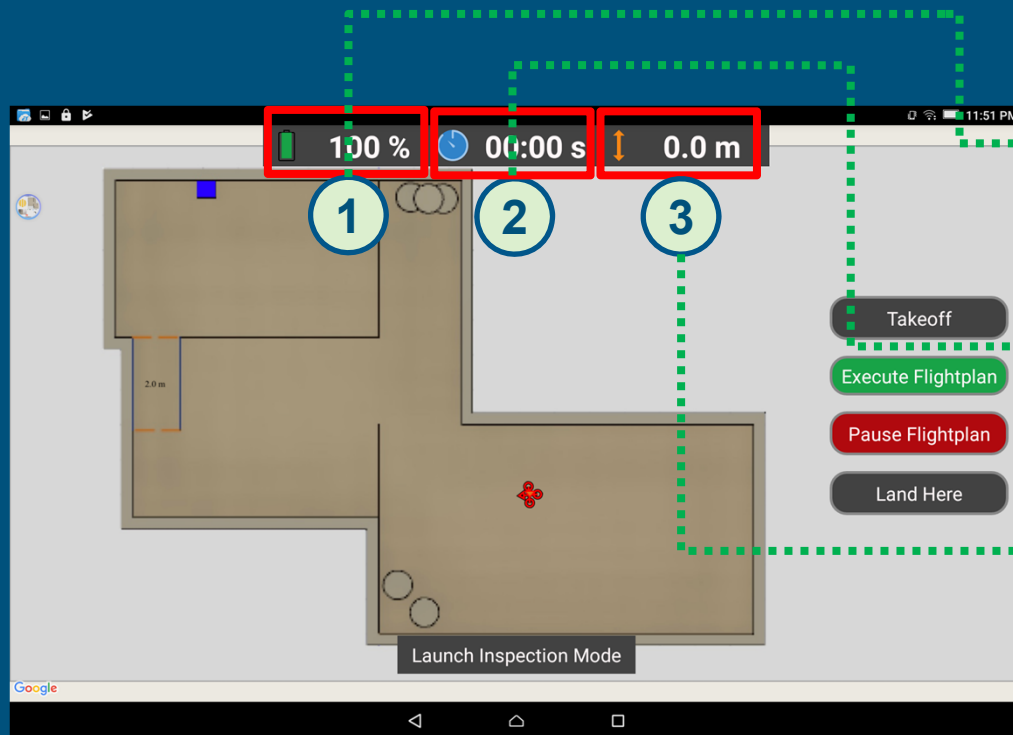
Supervisory Control App

The screenshot displays a mobile application interface for drone flight control. At the top, a status bar shows 100% battery, a timer at 00:00 s, and an altitude of 0.0 m. The main area features a 2D floor plan with a red path connecting several waypoints, each marked with a red square and a drone icon. A blue square in the top-left corner is labeled 'Target'. A drone icon at the bottom-right is labeled 'Drone', with a black arrow pointing left towards the path, labeled 'Heading'. A callout box explains: 'Heading = Direction indicated by the arrow'. On the right side, there are four control buttons: 'Takeoff', 'Execute Flightplan' (highlighted in green), 'Pause Flightplan' (highlighted in red), and 'Land Here'. At the bottom, there is a 'Launch Inspection Mode' button. The interface also shows a Google logo and Android navigation icons.

IMPORTANT!

Heading = Direction indicated by the arrow

Supervisory Control App



1. **Battery Status**
: Displays the battery life (in percentage).
2. **Flight Time Record**
: Shows the flight time since takeoff (in seconds).
3. **Altitude**
: Shows the current altitude of the drone (in meters).

Supervisory Control App



4. Takeoff Button

: Turns on the drone and the drone takes off immediately.

5. Land Here Button

: Drone lands at the current position and turns off.

Supervisory Control App

Flightplan : Set of waypoints that specifies the drone's path



7. Execute Flightplan Button

: Executes flight plan based on current waypoints

8. Pause Flightplan Button

: Pauses current flight plan

9. Launch Inspection Mode

: Launches inspection mode

Congratulations !

End of Module 2