

Welcome to the Operational Planning Team!



Team Designs

base

aidesign

winged

winged

aidesign



Team Plans

4 drones plan B

4 drones plan A

test

1 mile



Plan Results

Profit (\$) : 3400

Operating Cost (\$) : 318

StartUp Cost (\$) : 13746

Number of Deliveries : 34

Weight Delivered (lb) : 34

- Parcel (lb) : 34

- Food (lb) : 0

Submit

Path updated

Delivery weights (lb)
house scale

Parcel



Food



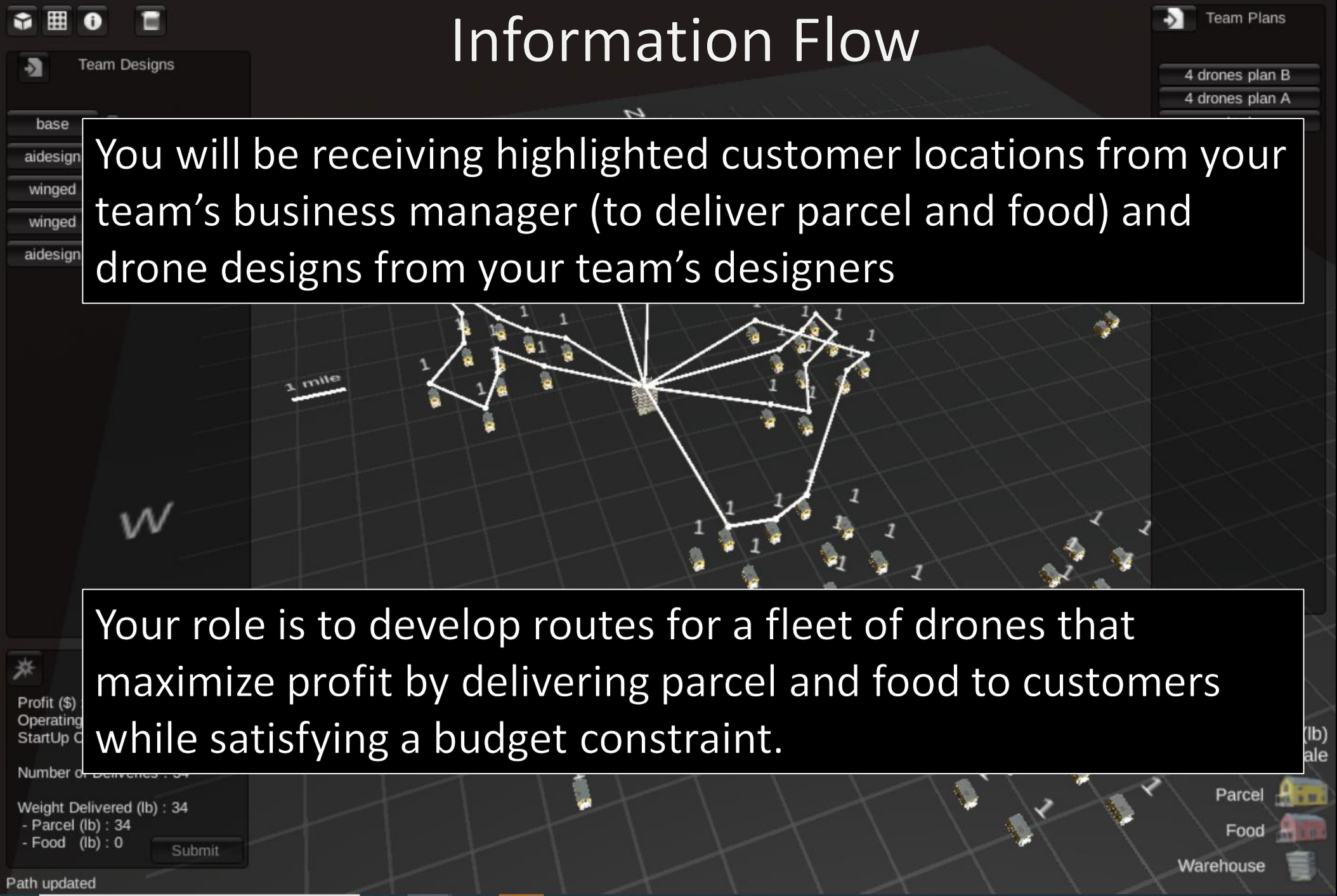
Warehouse



Information Flow

You will be receiving highlighted customer locations from your team's business manager (to deliver parcel and food) and drone designs from your team's designers

Your role is to develop routes for a fleet of drones that maximize profit by delivering parcel and food to customers while satisfying a budget constraint.



General Guidance

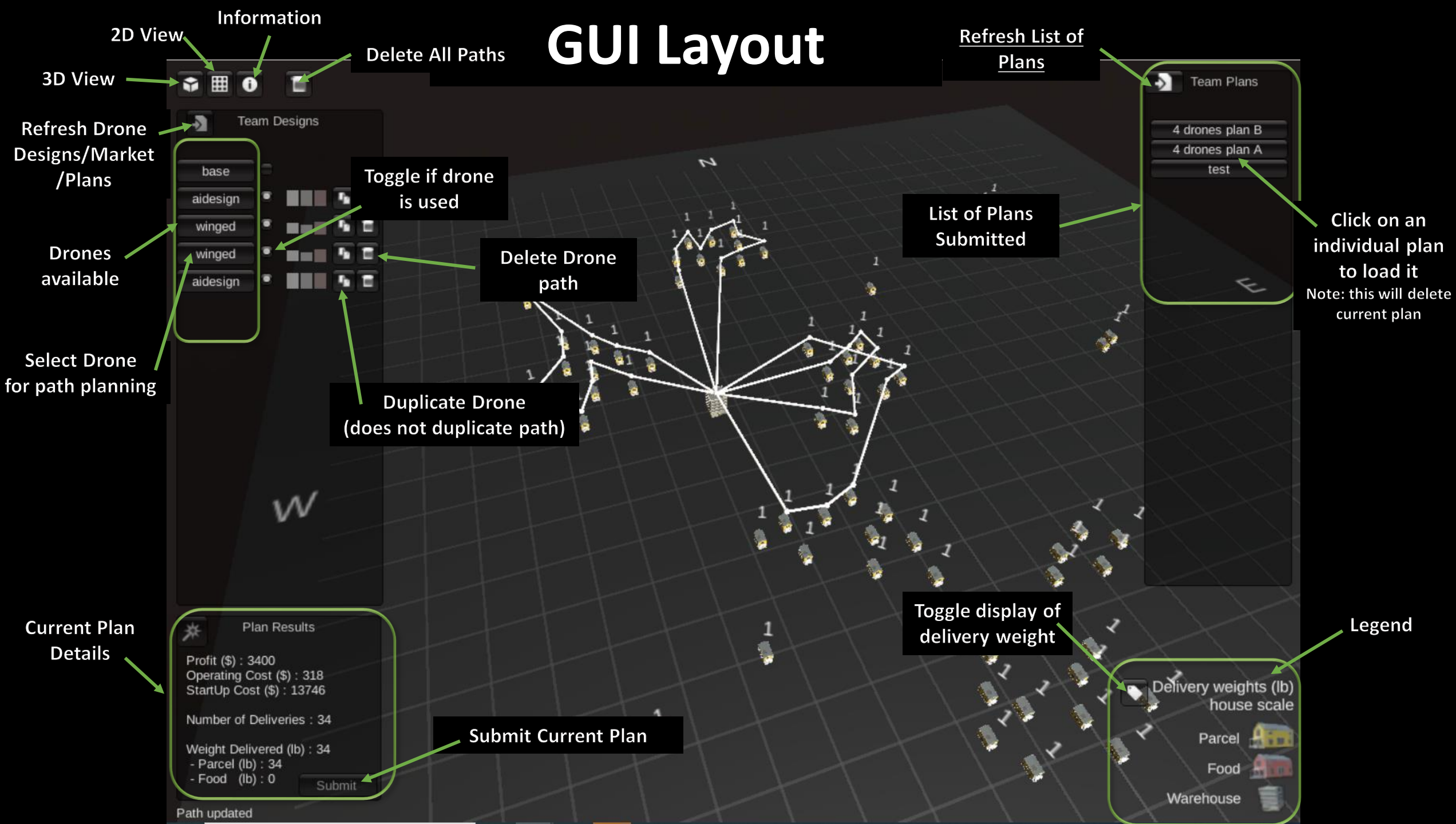
The screenshot displays a drone delivery simulation interface. The central 3D map shows a grid with a central depot and various delivery points marked with '1'. A path is highlighted with white lines connecting the depot to several delivery points. The interface includes several panels:

- Team Designs (Left):** A panel with a 'Team Designs' header and a list of design categories: 'base', 'aidesign', 'winged', 'winged', and 'aidesign'. Each category has a set of icons representing different drone configurations.
- Plan Results (Bottom Left):** A panel showing the results of a submitted plan:
 - Profit (\$) : 3400
 - Operating Cost (\$) : 318
 - StartUp Cost (\$) : 13746
 - Number of Deliveries : 34
 - Weight Delivered (lb) : 34
 - Parcel (lb) : 34
 - Food (lb) : 0A 'Submit' button is located at the bottom of this panel.
- Team Plans (Right):** A panel with a 'Team Plans' header and a list of plans: '4 drones plan B', '4 drones plan A', and 'test'.
- Operations Manager (Far Right):** A panel with a header 'Operations Manager' and an 'Info' link. It displays a list of messages from the 'Business - Mgrs' team, including system messages about plan submissions and a question from the 'Operations Team' about building a drone that can carry 15 lbs. At the bottom, there is a text input field labeled 'Type Here' and a 'Send' button.

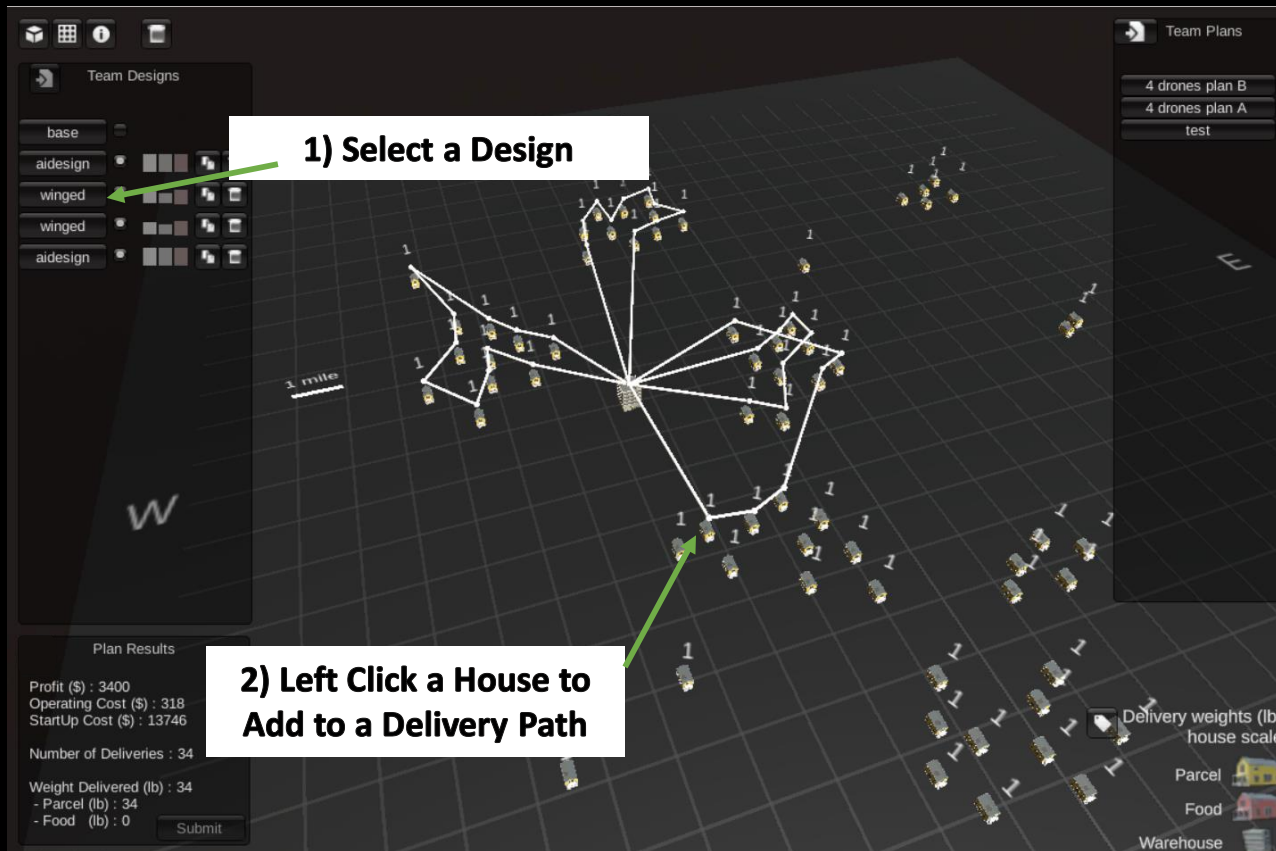
Numbered callouts (1-6) provide guidance on the workflow:

- 1) Load the Selected Market from Your Business Manager
- 2) Select/Toggle a Design(s) to Include in the Plan
- 3) Add individual Paths for Each Design Using Mouse Clicks
- 4) Submit a Plan to Your Team
- 5) Load Plans from Your Team and Open/Edit
- 6) Communicate with other members of the Team

GUI Layout



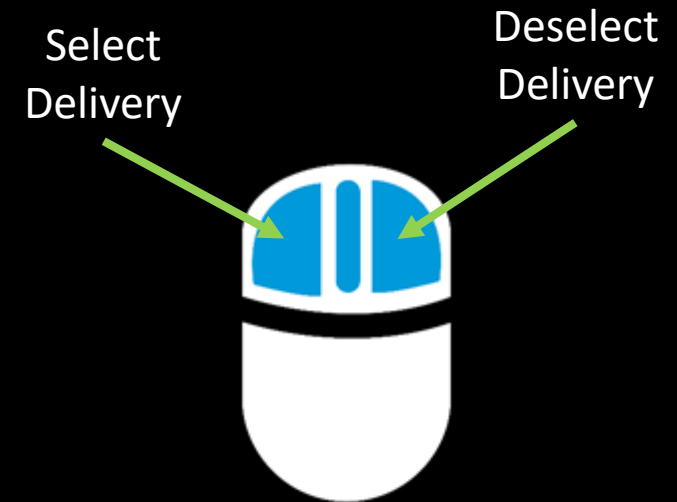
Manual Path Planning



Larger Houses indicate higher demand weight

Path planning:

Hover the cursor over a delivery location



Note: Deliveries must be added to the path plan in the order they will be made. Deliveries can be removed from the plan in any order.

Path Planning AI Agent

The interface displays a 3D map with a grid overlay. A central drone is shown with a path leading to several delivery points, each marked with a number (1-4). A scale bar indicates 1 mile. The map also shows various terrain features like hills and buildings.

Team Designs

- test1
- ibcccddeet
- test
- ai_2_design
- base
- aiDesign
- aiDesign

Selects test1 , range = 13.5 mi , capacity = 9 lb , \$3356

Team Plans

- test ai
- test_manual4
- test_manual3
- manu3path
- ai5path
- aiplan_4test
- aiplan3_tesst
- manual_3_test
- manual4path
- aipath2
- manual3path
- manualtest3
- manualtest2
- plan_name_length
- test
- manualNotTooLong
- aaa
- lan both team design
- plan_with arl2_design
- edge_al_test
- inual edge_old_bug_te
- ai2Path
- manual1path

Plan Results

Profit (\$) : 3000
Operating Cost (\$) : 113
StartUp Cost (\$) : 7905

Number of Deliveries : 10

Weight Delivered (lb) : 30
- Parcel (lb) : 30
- Food (lb) : 0

Submit

Path updated

Delivery weights (lb) house scale

- Parcel
- Food
- Warehouse

1) Toggle Available Drones

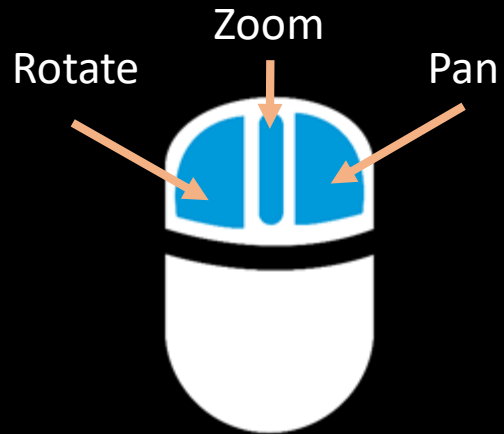
2) Run AI Planning Agent

Your AI Planning Agent Will Calculate a Drone Delivery Plan That Attempts to Maximize Delivery Weight to Customers

3D Scene Movement

Mouse

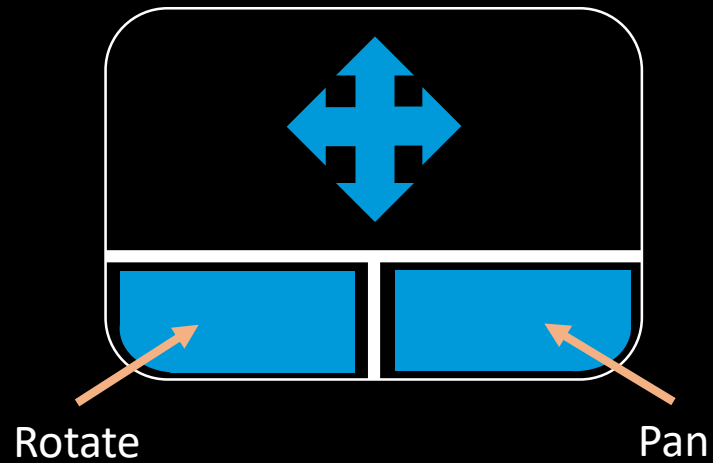
Click + drag



Zoom: **Shift** + drag

Laptop Touchpad

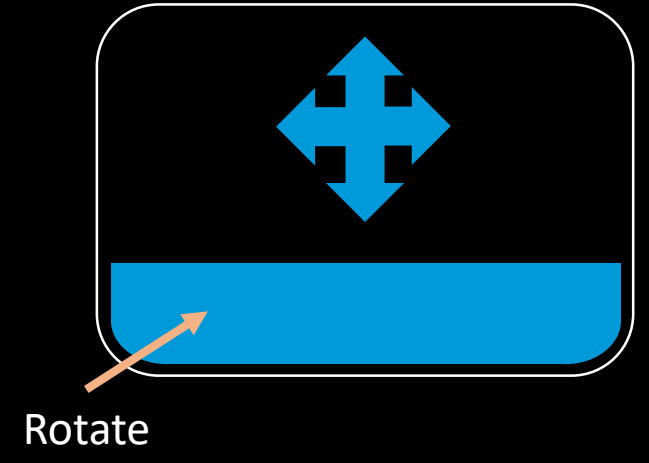
Click + drag



Zoom: **Shift** + drag

Mac Tracpad

Click + drag



Zoom: **Shift** + drag