

Robot Inspection
Optimizer

Robot Parameters

Aerial Robots

Number of Robots

Speed (meters/min)

Max Time (min)

Inspection Time (min)

Ground Robots

Number of Robots

Speed (meters/min)

Max Time (min)

Inspection Time (min)

Waypoints

Aerial Depot		Ground Depot	
X	Y	X	Y
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="30"/>

+ Manual Waypoint

+ Random Waypoint

Waypoint 4: (20.6, 35.2)

Remove

Waypoint 3: (48.2, 15.7)

Remove

Waypoint 2: (88.9, 13.0)

Remove

Waypoint 1: (7.0, 66.1)

Remove

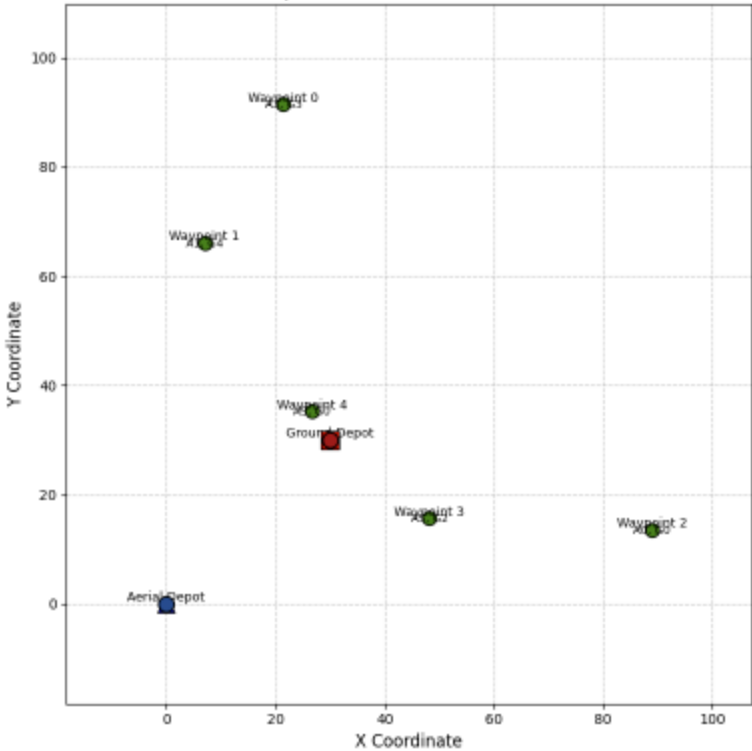
Waypoint 0: (21.4, 91.5)

Remove

Optimization Results

Successfully inspected 5.0 waypoints

Robot Inspection Plan - Time: 146.1 minutes



Frame 12 of 12

Replay Animation



Play

Solution Details:

Aerial Robots:

- Aerial Robot 0: Distance: 179.81 units, Time: 30.97 minutes, Waypoints: 1
- Aerial Robot 1: Distance: 132.89 units, Time: 23.15 minutes, Waypoints: 1
- Aerial Robot 3: Distance: 187.87 units, Time: 32.31 minutes, Waypoints: 1
- Aerial Robot 5: Distance: 123.97 units, Time: 22.66 minutes, Waypoints: 2

Ground Robots:

- Ground Robot 0: Distance: 133.23 units, Time: 72.63 minutes, Waypoints: 2
- Ground Robot 2: Distance: 46.32 units, Time: 26.16 minutes, Waypoints: 1
- Ground Robot 3: Distance: 124.11 units, Time: 65.06 minutes, Waypoints: 1
- Ground Robot 4: Distance: 85.56 units, Time: 45.78 minutes, Waypoints: 1

Solve