BLUE YONDER'S NEXT-GEN OPTIMIZED DELIVERY ECOSYSTEM

Output Format:

```
`Scenario3` contains 4 output files `CostReport1A.csv`,
`CostReport1B.csv`, `DronePath1A.csv` and `DronePath1B.csv`
containing cost reports and drone paths respectively. Since
Complexity 3 is being handled, CostReport1A and DronePath1A
will be the original plan whereas CostReport1B and
DronePath1B will be the replan after cancellation.
```

Our solution takes care of the base solution and all three complexity levels (1+2+3).

In all the 3 scenarios, we are able to deliver all the demands.

Assumptions:

Here are some of the assumptions we took based on our observations of the test data. This assumption holds on the data provided.

Assumption 1: Round trips to the demand location should be possible to each of the demand locations without using any Recharge Stations.

Assumption 2: There is no demand location such that it is directly above or below any of the No-Fly Zones in the future datasets.

Assumption 3: There are no No-Fly Zones on the ground.

Assumption 4: We can dynamically decide which drone should belong to which warehouse at the end of the day. In the case of multiple days, if a particular drone belongs to Warehouse 1 on day 1, it can belong to Warehouse 2 on the next day.