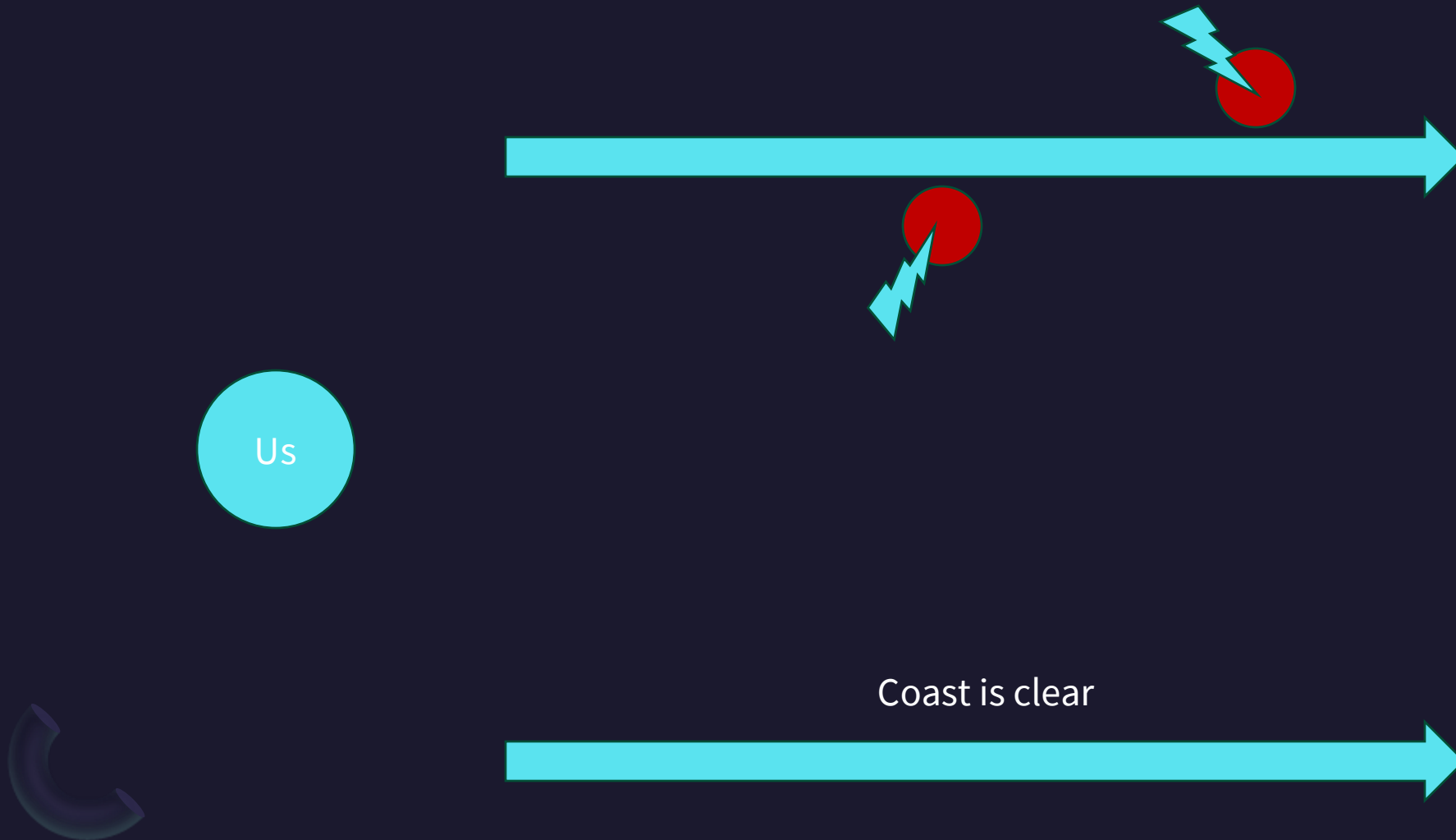# Radar Detection Suite

Lukas, Moritz, Nic, Hector

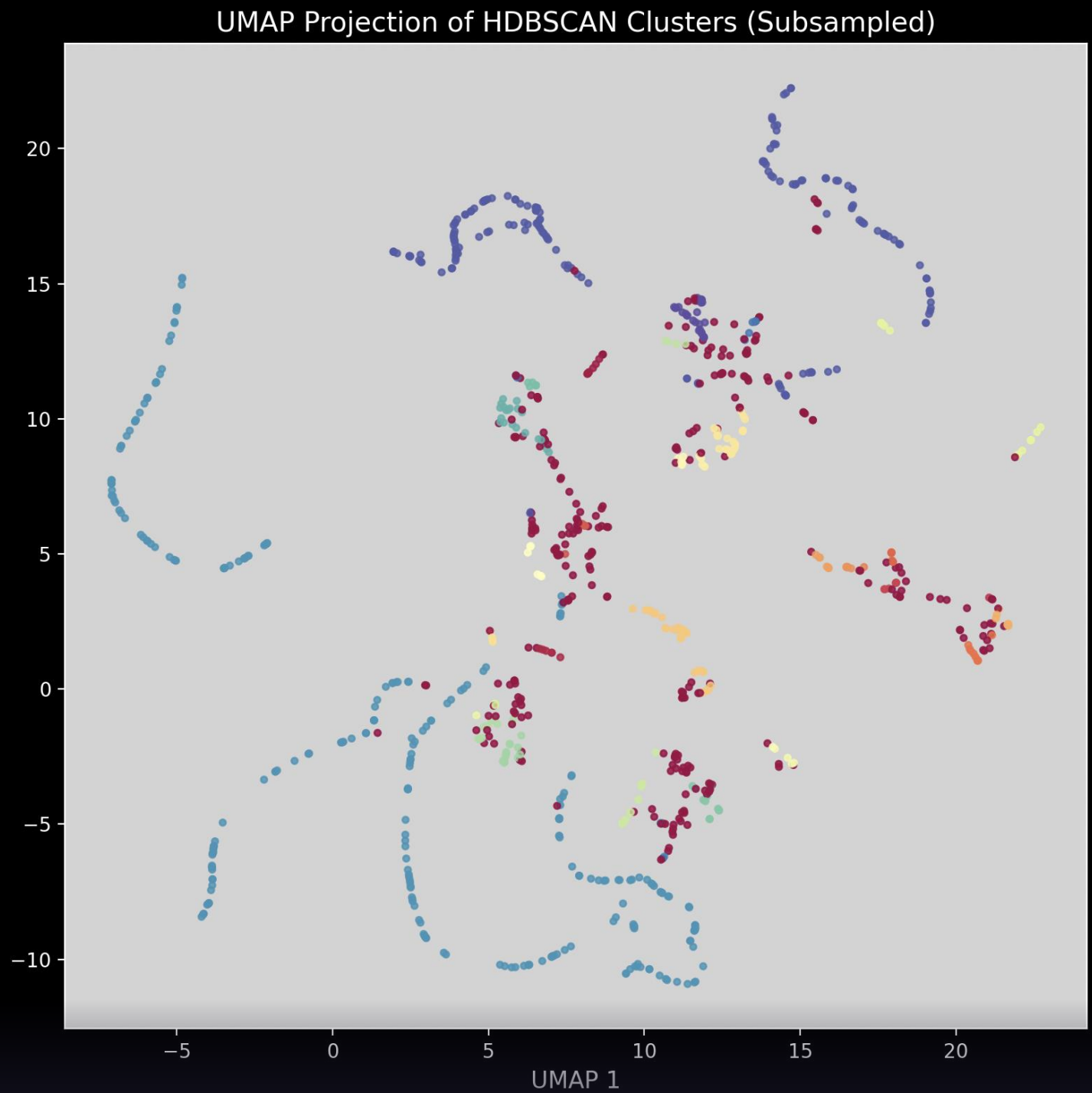# Radar detection – destruction or avoidance

Us

Coast is clear

Solution?

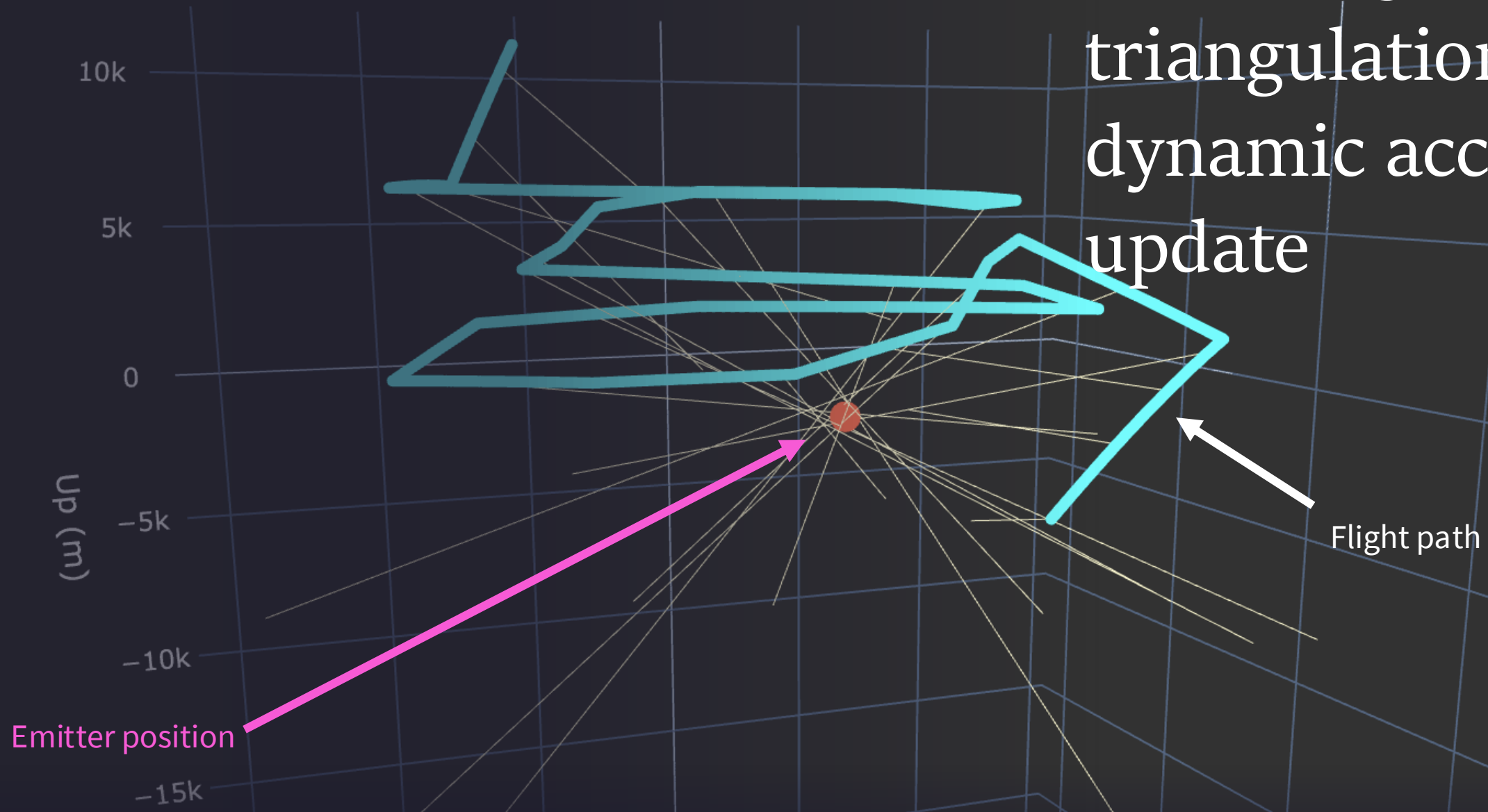We don't need so many sensors, just one over time

Effective positioning of enemy radar systems

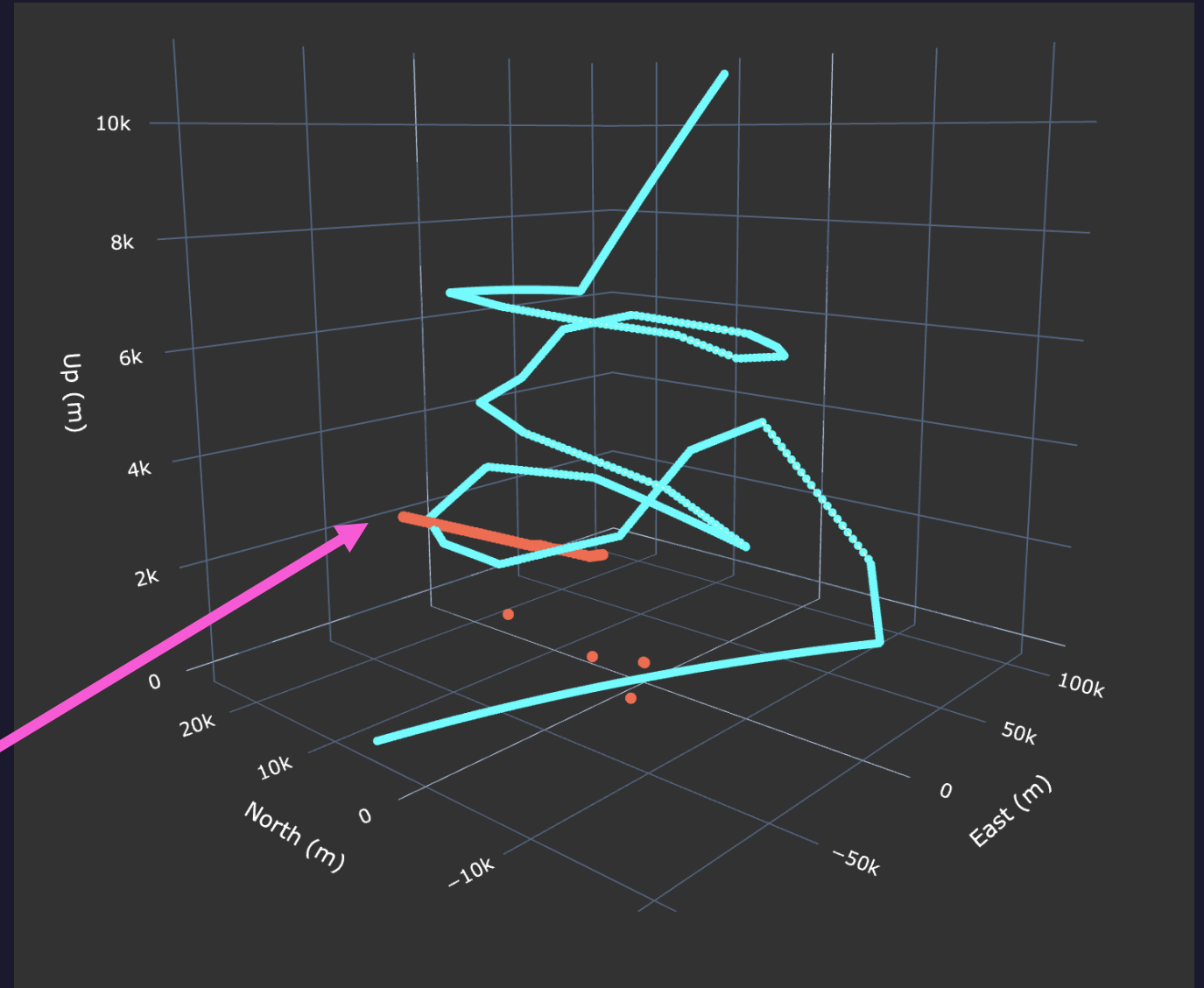Light-weight, hybrid modelling

1) Clustering

UMAP Projection of HDBSCAN Clusters (Subsampled)

2) Intelligent triangulation with dynamic accuracy update

Flight path

Emitter position

3) Target tracking visualisation

Emitter moves over time

Results

	Dataset 1	Dataset 2
Mean accuracy	120m	18km
Median accuracy	50m	12km