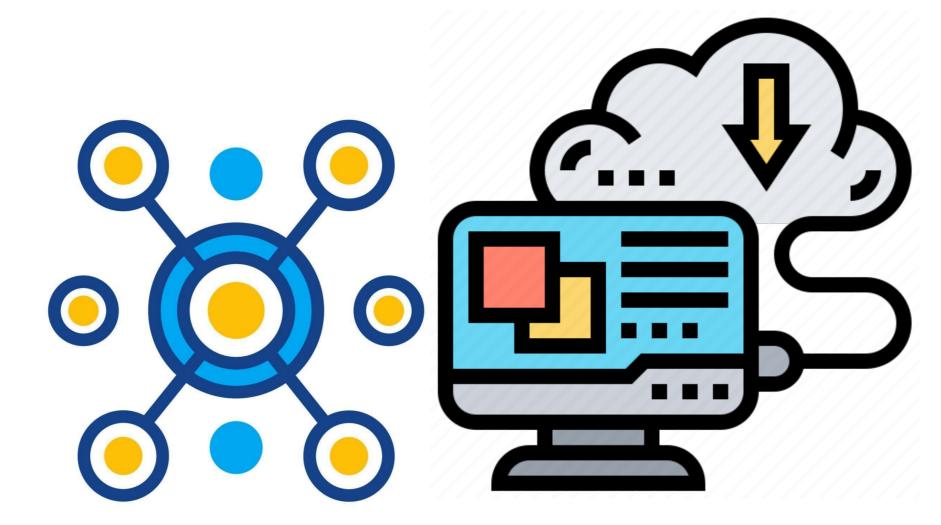
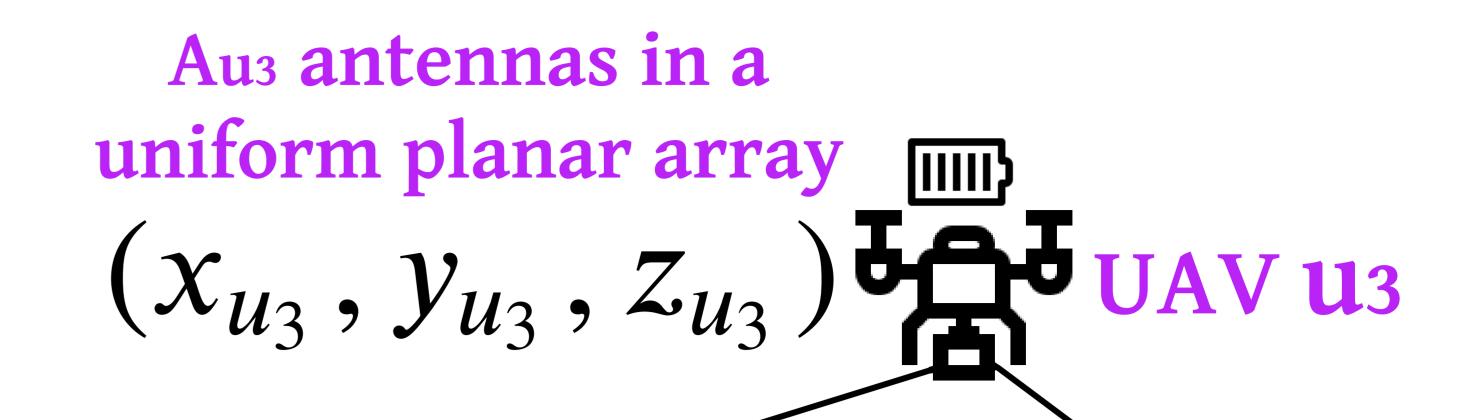


Depot
Takeoff / Landing Pads

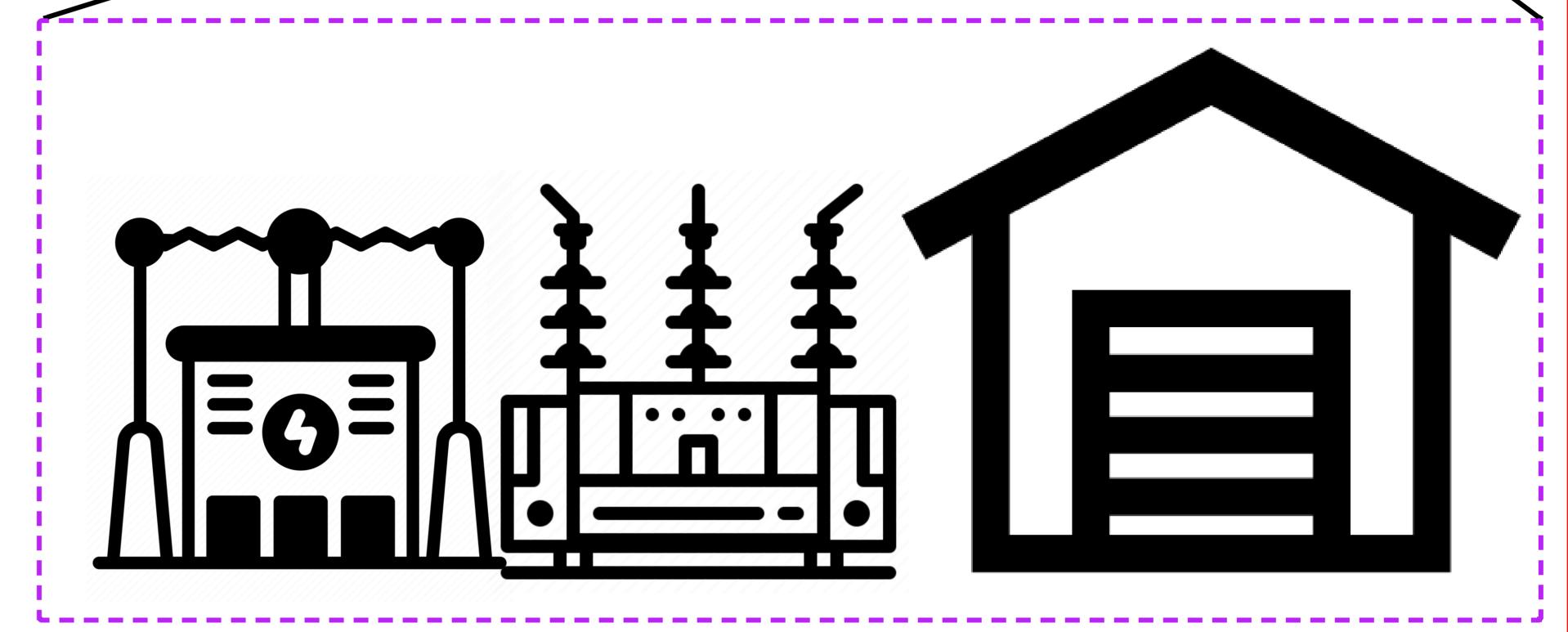


Central Operations Hub

GPS Geo-Fence



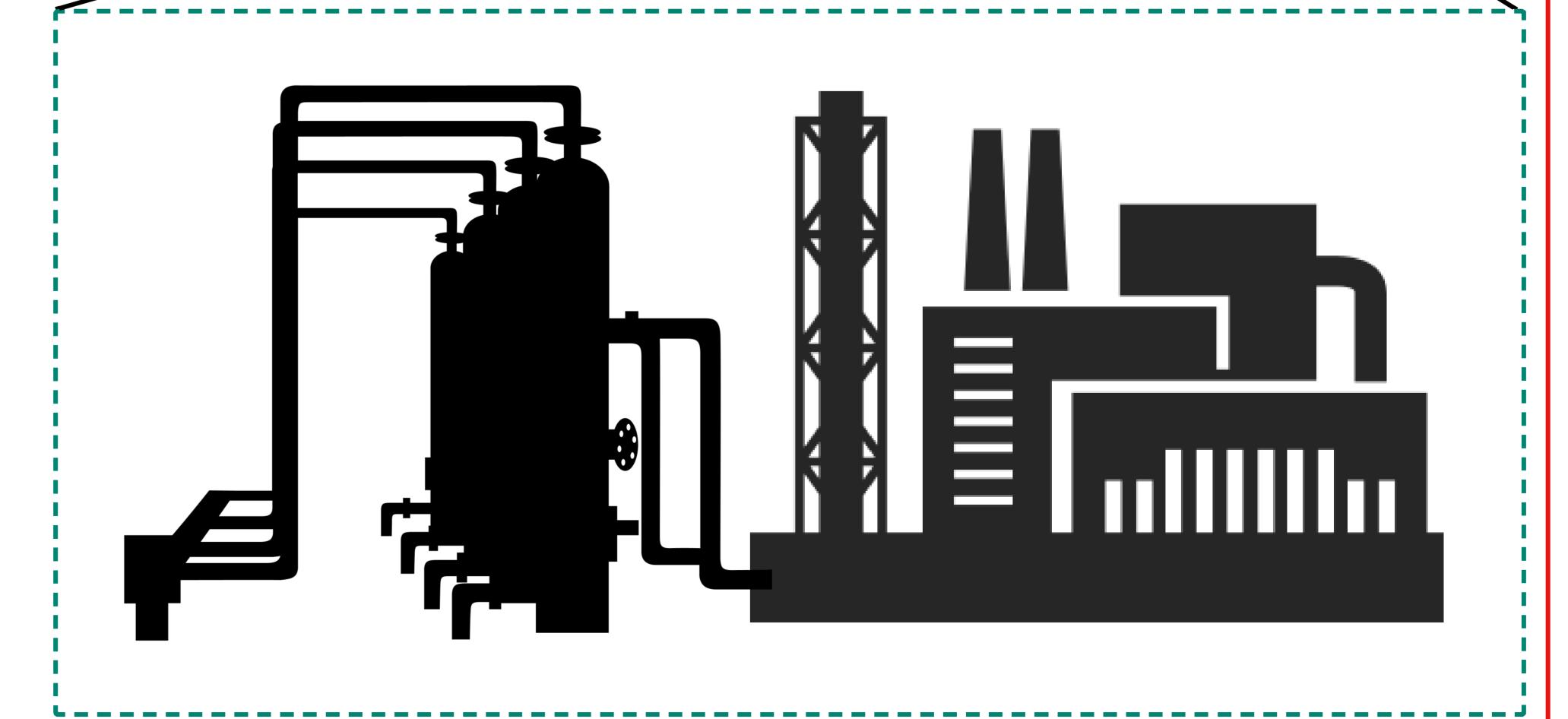
MU-MIMO Uplink Beams from the GNs



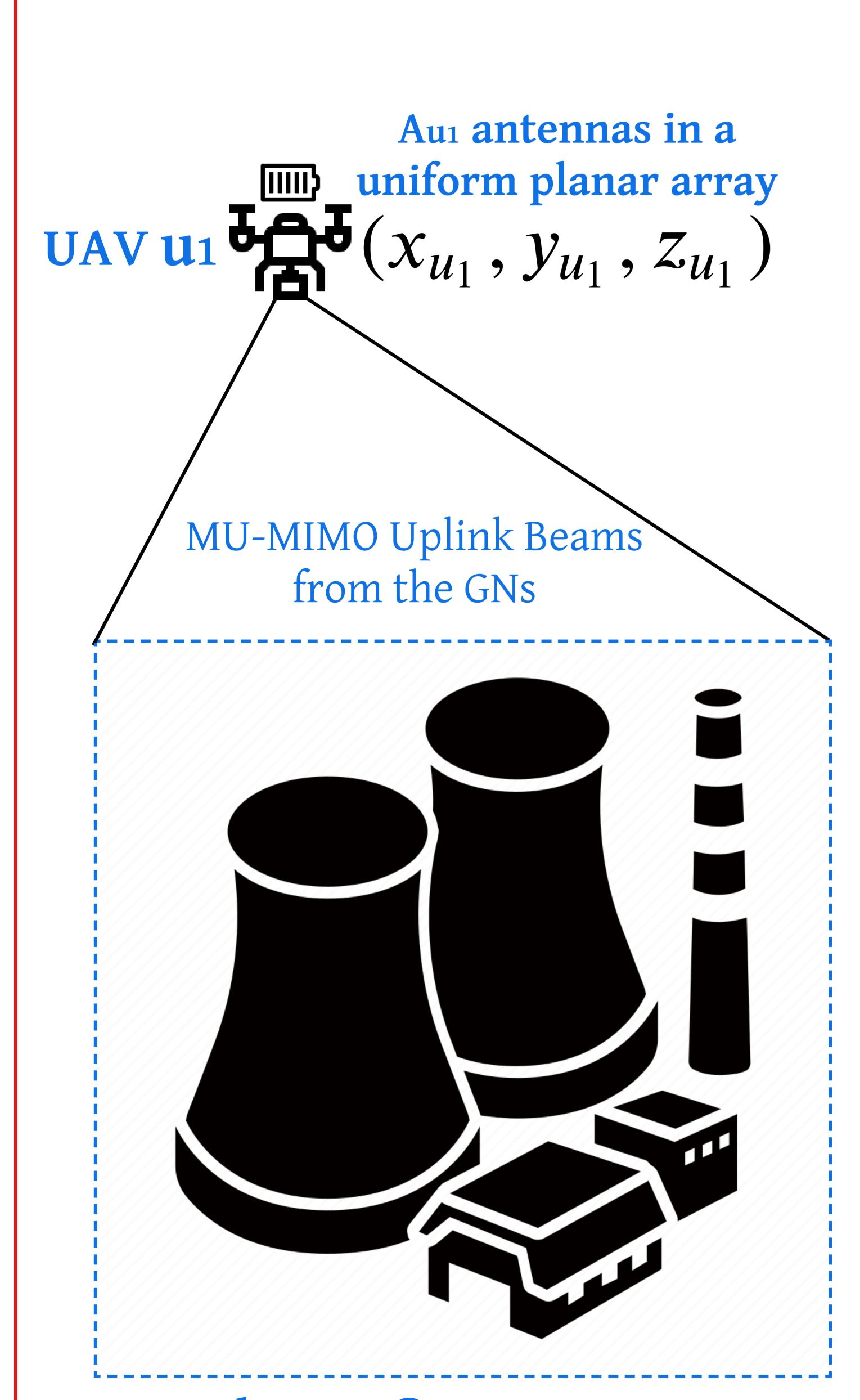
Cluster C3: GNs g11-g15
Grid Substation

Au₂ antennas in a uniform planar array $(x_{u_2}, y_{u_2}, z_{u_2})$ UAV u2

MU-MIMO Uplink Beams from the GNs



Cluster C2: GNs g6-g10
Power Generation Station



Cluster C1: GNs g1-g5
Power Generation Station