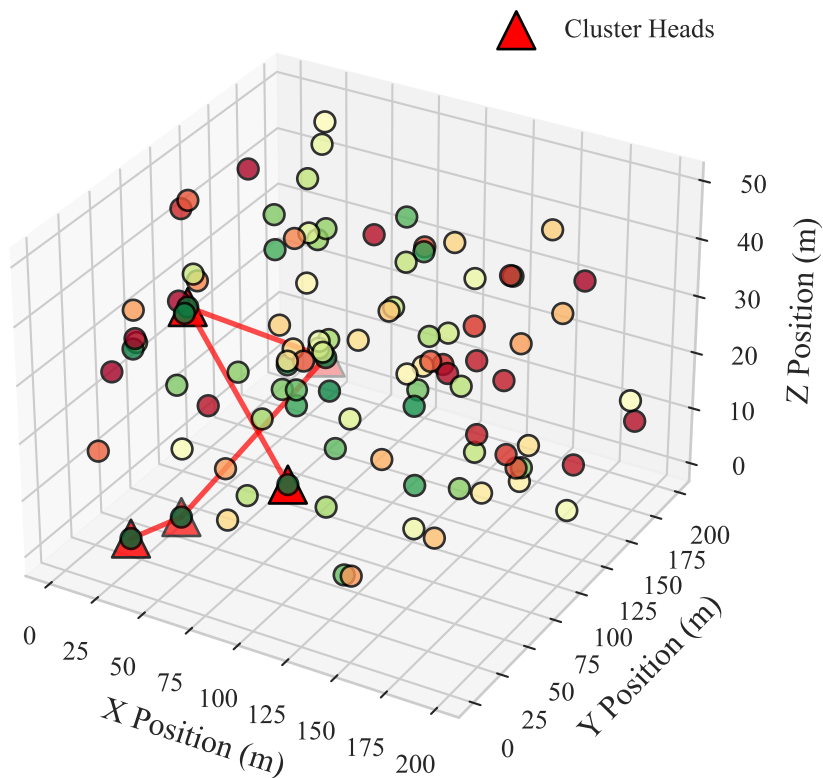
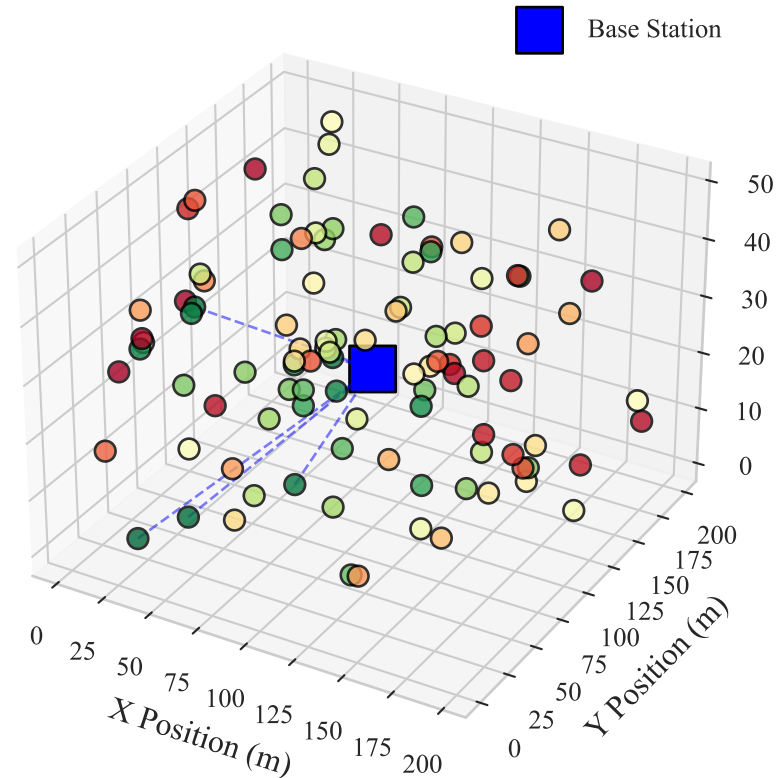


3D Network Topology and Communication Patterns

(a) Enhanced EEHFR Chain Topology



(b) Traditional Clustering Topology



(c) Energy Distribution Heatmap

