

Outdoor Wireless Network Design Process

PHASE 1



Requirements Gathering

- Define geographic area to be served
- Determine intended uses
- Select equipment and backhaul
- Acquire maps, terrain and building/foilage shapefiles
- Secure/Identify mounting locations
- Test for interference

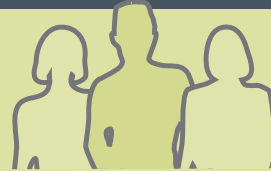
PHASE 2



Design

- Import and merge geographic information
- Perform trial area testing
- Place wireless hardware
- Evaluate "what if" scenarios to determine optimal coverage, capacity, backhaul and mesh links

PHASE 3



Deployment

- Deliver deployment plan
- Install equipment
- Adjust design based on site obstacles

PHASE 4



Verification and Optimization

- Measure actual coverage and network throughput
- Optimize network design
- Verify performance criteria are met