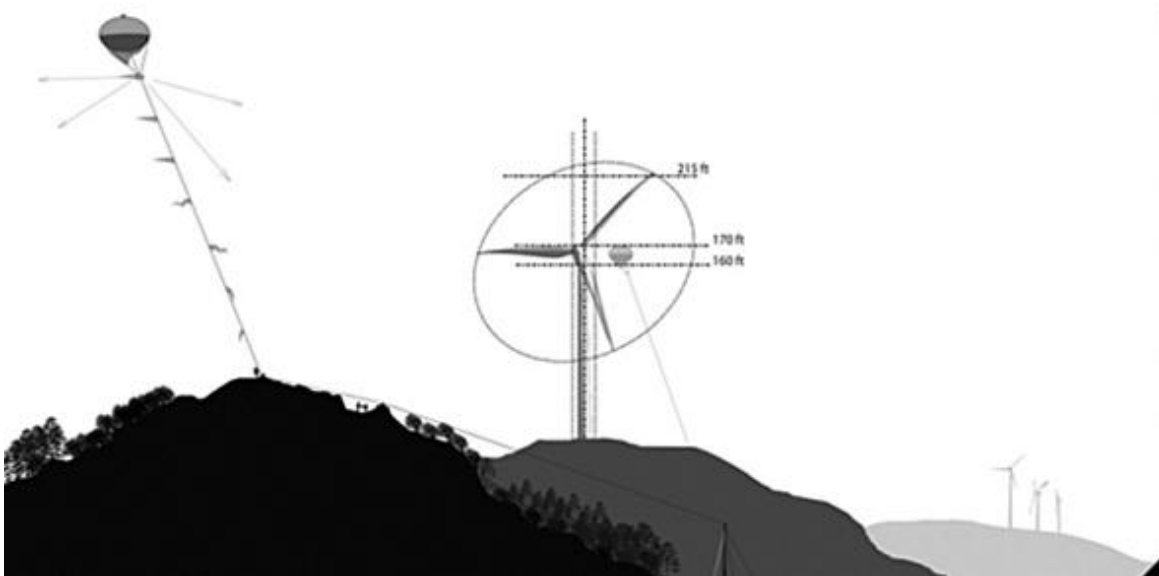


Wind Turbine, Power Plant, and Wind Farm Simulations



Using its specialized tethered aerostat balloon, DDIS can help determine ideal turbine locations:

- Balloon based scouting of multiple possible sites.
- Elevation-based wind measurements at each site.

After the sites have been determined, DDIS can provide simulations of proposed wind turbines' and wind farms' visual impacts:

- Line-of-sight cross-sections and visibility maps.
- Seasonal changes and vegetation growth estimates.
- Shadow coverage areas and animation of shadow flicker.
- Developments of camouflage schemes and other impact mitigation options.
- Public visibility tests, including demonstration of required FAA lighting and expected acoustic impact.