

STEALTH APPLICATIONS FOR TELECOMMUNICATIONS

The explosive growth of telecommunications is changing the landscape of America. Where wind mills once dominated the country skyline, cell towers are now more prevalent. In cities, towers rise above neighborhoods and businesses to give the best reception for cell phone customers.

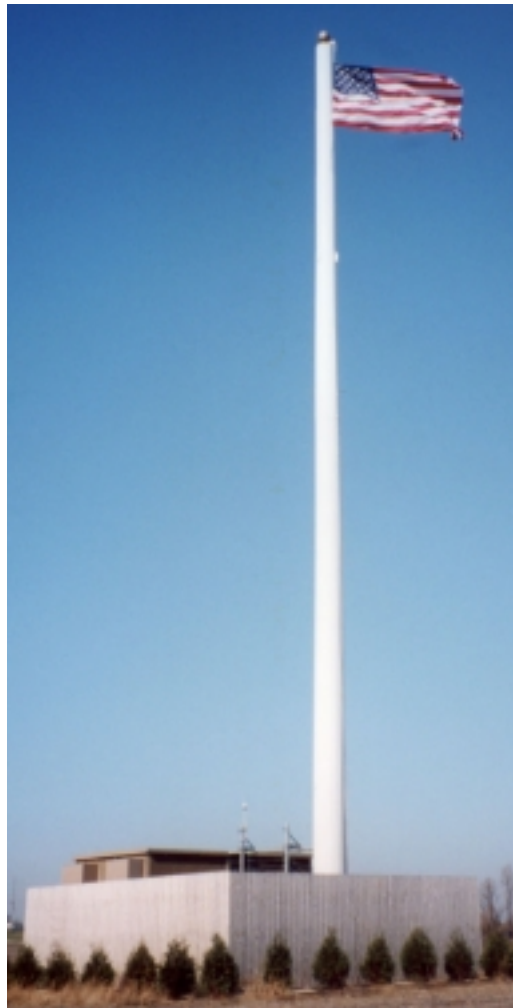
The proliferation of cell towers is a concern for local communities who want to keep the skyline uncluttered. Telecom companies are adapting special techniques to alleviate aesthetic concerns.

With Shive-Hattery's creativity we're helping clients design telecommunications sites that can function effectively without becoming an eyesore. *Stealth application* of telecommunication equipment is a win-win situation for the local community and the telecom companies.

ENVIRONMENTAL DESIGN

Shive-Hattery design of tower sites are breaking out of the traditional format and blending into the surrounding landscape. Buildings and water towers are some of the existing structures being used to house telecom equipment. Bell towers, church steeples and wind-turbine towers are just a few examples of new stealth tower designs.

Shive-Hattery sites are designed with screens and other architectural improvements that hide or blend the equipment into the environment. On the next page there are some visual examples of these stealth applications.



This tall, dramatic flag pole is actually a cell tower. This stealth application is one way telecom companies are blending into the environment in nontraditional ways.

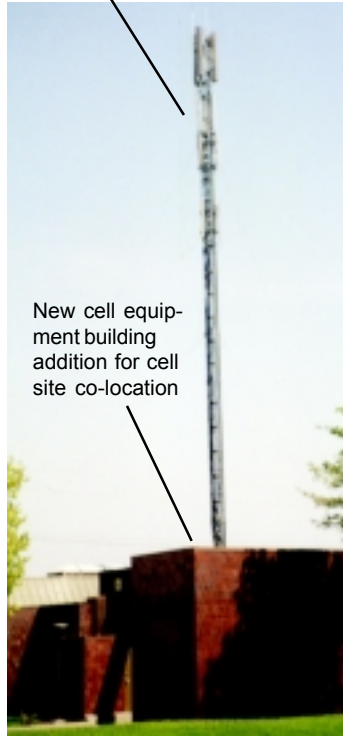
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Stealth Applications

With Shive-Hattery design and creativity, telecommunication sites can function effectively without becoming an eyesore.

Shive-Hattery architects and engineers serve the telecommunications industry as a single source of solutions.

Existing low-profile tower

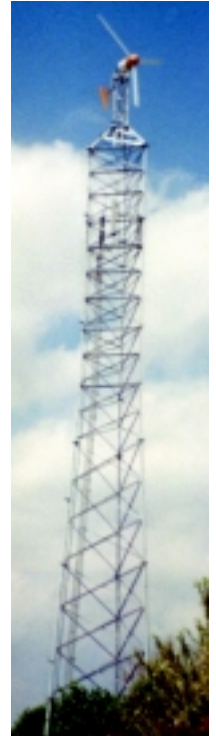


New cell equipment building addition for cell site co-location

(3) carrier, low-profile monopole



Church bell tower with antenna located behind tower panels

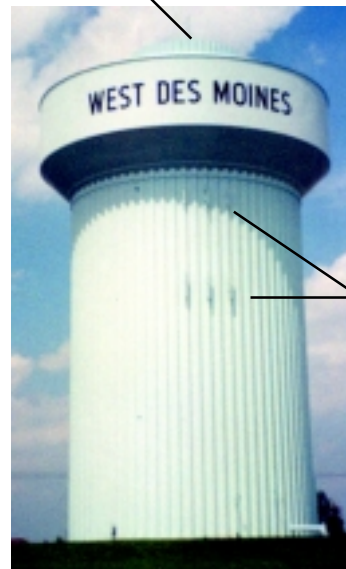


Electricity-generating wind turbine with stealth cell site

Antenna attached to existing building; painted to match



New antenna screen wall with future expansion capabilities



Antenna mounted flush and painted to match

New building screen wall with antenna painted to match

