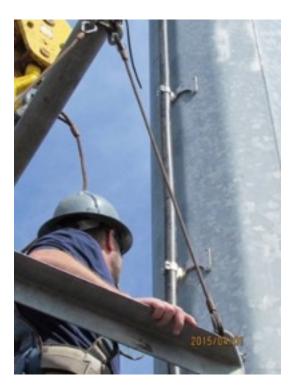# Wireless Infrastructure Magnetic Bracketing

June 4, 2015 - Eric Stechmann

Making for prime real-estate for wireless infrastructure, many cellular monopoles and water towers have become crowded spaces. When these towers become more crowded with wireless infrastructure, creative methods for cable management is required. Estech magnetic bracketing systems (MBS) allows customer's to optimize labor, cost, speed and capability.

Estech's magnetic brackets are robust, tornado tested, stainless steel fixtures which feature the industry standard 3/4" socket accepting snap-in clips. Each of the four legs are studded with high-end permanent magnets. The body of the bracket is curved to meet the steel surface being mounted.

Installation couldn't be easier. Reducing a 2-4 man installation operation to 1 is a reality in many instances. No grinding, welding, touch up coatings are needed in the case of welded cluster brackets. Stainless bands have been shown to wear through coatings causing corrosion and bolted clips crush coatings also. Labor costs reduce again as the installation can be trained easily to certified climbers who may not need prevailing wage rates.

These brackets are virtually impervious to the elements and are shown to not loose specified strength over time. In fact, each magnet retains over 99% of its' magnetic strength every 10 years equating to a loss of less than 5% after 50 years.

Estech LLC saw this need and invested in this concept and patent. With thousands of brackets already installed and scores of case studies, Estech is endeavoring to cover the nation with their unique cable management solution.

Demand exists from several market areas providing a broad customer base. These mangetic systems can be used to rectify an existing OSHA violation such as having cables installed on access ladders and are commonly used when a new project is starting up. Ranging from fastening a single Cat-5 cable to an entire cellular build-out, Estech has a selection of brackets to fit the job.