

Magnetic Case Study:

Magnets are Solving Water Tower and System Needs



Cables installed on water tower ladders violate MO DNR and OSHA guidelines. Newly patented magnetic brackets offer tower owners a way to properly, and economically re-install cables on water towers. From solving water tower regulatory violations to brilliantly illuminating water tower logos with LEDs, magnetic bracketing is helping systems across Missouri.



Let's face it, water towers are no longer simply used for the elevation and storage of drinking water. With the dawn of wireless communications, many water towers are now used as prime real-estate for cables and antennae. Some of these installations can be a source of revenue for water systems and perhaps a source of MO DNR and OSHA violations. Nearly 2,000 water towers grace Missouri's skyline with about 92% of them having some type of cable or antenna installation. Many of these cables have been installed unsafely, not meeting Missouri DNR and OSHA published design guidelines. The quickest and cheapest way in the past has been installing cables directly onto the ladders, a major problem for the crews who maintain and paint the towers causing delayed renovations, corrosion and blocking manway access. With a spectrum of cable installations the cheapest method includes duct tape, zip ties and even landscaping timbers to the most expensive including welded cluster brackets, however there is a new solution. Enter magnetic bracketing systems. These are proven and patented systems that are incredibly strong (from 240 to 1200 pounds of pull strength) and are made to-order depending on the diameter of the water tower leg and how many cables are connected. Roughly the same price as a water tower wash-out, an existing violation can be corrected in 4 hours. You can also be proud because most of this technology and manufacturing started here in Missouri.



Whether it's providing a way to get cables off your water tower ladders or producing custom bracketing needs, Estech LLC has the proven magnetic capability.

A brief phone call or visit will allow us to assess the current or future status of cables on your water tower. We manufacture each Magnetic Bracketing System (MBS) to the diameter of the steel and quantity of cable.

Specified in many Cities and PWSDs through the country and support State and Federal safety design.

- Water Tower Cable Bracketing
- Ultrasonic Bracketing for Clarifiers
- LED Water Tower Logo Bracketing
- Custom Bracketing

www.estechinnovations.com

-patent applied-

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