

IsoTruss Telecom FAQ

What is IsoTruss?

IsoTruss Inc., designs and manufactures ultra-lightweight, composite towers and poles. IsoTruss structures can be 1/12 the weight of an equivalently rated steel structures. The structures are impervious to corrosion and highly resistant to other forms of degradation, including UV. IsoTruss is currently being used in infrastructure, aerospace, and defense. The company is headquartered in Springville, UT and has a manufacturing facility in The Philippines, serving the southeast Asian telecom industry.

What advantages do IsoTruss towers have over steel towers?

IsoTruss towers are superior to steel towers in weight, material, and lifetime. The lightweight nature of the structures allows for cheaper, faster installation and allows for new deployment opportunities on rooftops or in extremely remote areas. The composite materials used in IsoTruss towers are corrosion resistant, non-flammable, and UV resistant even in extreme weather. IsoTruss towers have lower maintenance costs over the product lifetime and extended usable life up to 5x that of steel structures, especially in coastal, humid, or salty environments.



Are IsoTruss towers climbable?

IsoTruss structures are climbable without any additional add-ons. All safety requirements for climbers are followed according to TIA standards.

How resistant are IsoTruss structures to damage?

IsoTruss towers are built with modular sections, typically 20 ft long. Each section is cured into a solid composite structure, robust enough to withstand the demands of the tower construction environment. In service, the redundant pattern of IsoTruss structures ensures that one local failure won't result in immediate global failure. Composite structures are not field repairable if damage occurs but, with IsoTruss, a single section can be replaced rather than the entire tower.

Can IsoTruss towers have an outer covering?

Whether to prevent unauthorized climbing access, protect of cabling and equipment, or comply with area ordinances, the open lattice structure of IsoTruss can be covered or shielded.

Contact: Sam Wilding

c: (801) 787-2960

e: sam@isotruss.com