



Specialty Structures

Specialty Structures to Meet Specific Communications Needs

ERI offers a wide variety of specialty towers for FM, TV, Cellular, and nonbroadcast use. Our professional team of in-house engineers can design these towers to meet your specific needs and ERI will fabricate them with the same manufacturing excellence featured in all of our standard tower lines.

Cog Structures

Ten years of intensive research and development resulted in the ERI COGWHEEL™ antenna system. Capable of operating across the FM band, it combines high power handling and capabilities, outstanding radiation characteristics and mounting flexibility. Combining an ERI COGWHEEL™ antenna with an ERI Cog structure assures you the best antenna/tower interaction. Cog structures are designed to achieve optimum antenna performance while reducing weight and wind load.

Cell-Thru Antenna System

The Cell-Thru system is a unique solution to prevent antenna gain loss for almost any type of omni antenna. Developed to overcome the disadvantages of distortion to the antenna pattern by the support structure for FM antenna, it can also be applied to TV, cellular, PCS, or MMDS applications.

The advantage is performance nearly identical to a “free space” condition allowing the flexibility of choosing top mounted antennas for tower or roof top applications.

The Cell-Thru System is constructed of high quality materials to ensure maximum reliability to the broadcaster.

Lighting Standards

ERI can design structures to accommodate non-broadcast equipment such as field lighting or lightning protection systems.

Contact an ERI representative today to get more information on the specific specialty structure to fit your needs. Our engineers are available for consultation by phone or on site.



Antenna Support and Specialty Structures



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