Electronics Research, Inc. - Your Single Source for Broadcast Solutions™



Years of Broadcast Solutions

Certifications



Fabrication shop certified with American Institute of Steel Construction (AISC)



Star Certified Installations Department with National Association of Tower Erectors

Contact Us

eriinc.com

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We are eager to show you how ERI's unique capabilities can add value to your next project. Contact us to discuss your needs and get a custom proposal.

Need to move channels on time? We've got you covered.

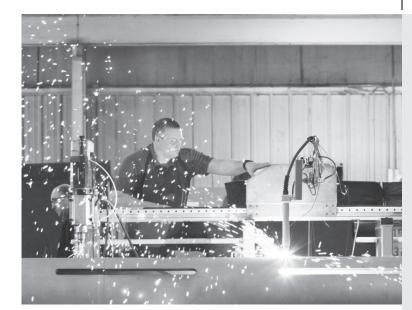
"ERI's ability to be a 'one-stop shop' has made life so much easier for KEZI 9. Just tell their experts what you need, and they take care of the rest."

- Keane Laguatan | Chief Engineer | KEZI 9 | Eugene, OR

With ERI, You're One and Done

Unlike the other guys, ERI is the only company that can provide complete engineering, manufacturing, design and installation of antennas, as well as a highly trained tower crew.

In short, we do it all, and better than the rest.



What We Do



Planning: Our unique end-to-end process delivers custom-engineered solutions and dedicated management for every customer.



Testing: With the largest anechoic chambers dedicated to broadcast work in North America, we can create large models and test custom designs — even for high-band VHF.



Production: In-house production allows us to install multiple high-powered TRASAR® antennas and high-strength steel towers per month, with accurate timelines for end-to-end completion.



Process control: By controlling every stage of production, we're faster to market and accept complete ownership of product quality.



Installation: We're the only antenna manufacturer with certified tall-tower crews on staff to install and service our antennas in the field.

ERI vs. The Competition

Out of the box, ERI's standard antennas perform better than any competitors' top-line antennas.

End-Fed TRASAR® Antenna (ERI)

- Smooth signal pattern with no deep nulls
- Optimal for electrical beam tilts greater than 1/2 degree
- Unparalleled pattern control and energy efficiency
- Complete antenna mounting solutions (top or side mount) for all ERI manufactured antennas

Center-Fed Antenna (Competition)

- Heavy nulls in signal
- Compromised performance for electrical beam tilts greater than 1/2 degree
- Constraints on pattern and gain result in lower energy efficiency
- Antenna mounts designed/supplied by others

ERI TRASAR® Antenna Features

- ATSC 3.0 Compliance: That means broadcasters will be ready to meet compliance standards without
 making modifications.
- Separate horizontal and vertical elements: This allows for greater customization to the broadcaster's specification.
- A pressurized radome that is fully waterproofed and resistant to barometric pressure helps prevent moisture from being drawn into the radome.
- More transmission power: ERI's end-fed antennas are naturally null-free and don't require future modification in the field or additional transmitter power to support ATSC 3.0.
- Tip Deflection: TRASAR® antennas are designed to be stronger and provide more consistent coverage
- Customization lets broadcasters target specific markets and expand on the audiences they are able to reach.
- Enhanced mechanical performance criteria: ERI's in-house structural engineering ensures superior performance under design and service loads.

"We are the ones who can do what broadcasters need."

- Kathy Stieler, Director, ERI Installations & Safety

"ERI has been positioning itself to help broadcasters through this transition by addressing the production and installation of the equipment needed to complete the FCC incentive auction." - Bill Harland, VP of Marketing, ERI