



**Electrical &
Lightning Protection**

Grounding Systems

Cathodic Protection

AC Mitigation Systems

Design & Engineering

Project Management

Broadcast Tower Grounding





BROADCAST TOWER GROUNDING

THE RISK

Safety of on site personnel and corporate liability exposure.

Lost time and revenue caused by equipment and infrastructure damage as a result of lightning strikes and main AC power ground fault currents.

Noise and electrical interference caused by improper grounding practices and shared systems whose individual grounding systems may conflict with each other thus producing a degraded signal quality or costly service interruptions.



THE SOLUTION

Perform soil resistivity measurements that will profile the soil conditions. Provide an engineered grounding system based on these results and the clients targeted performance values.

Improve site electrical and lightning protection systems to comply with regulatory standards and best practices. Reduce ambient electrical noise and risk of lightning damage that can cause outages and degraded service.

Improve performance of grounding system with effective, long-life SAE electrodes that dissipate the high levels of lightning energy providing protection to broadcast equipment and infrastructure.

Review and audit site surge protection to ensure site equipment is adequately protected against electrical spikes and power line surges that can degrade or disrupt service.



THE NEXT STEP

Installing a new site, upgrading or expanding, or grounding trouble with an existing broadcast site? Contact SAE Inc. to assist in defining and responding to your requirements.

GIVE US CALL. REDUCING YOUR RISK IS OUR BUSINESS.