



**Electrical &
Lightning Protection**

Grounding Systems

Cathodic Protection

AC Mitigation Systems

Design & Engineering

Project Management

Installation Services

Telecom Site Grounding





TELECOM SITE 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 client's targeted performance values.

Inspect, test and 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 Conducrete™ electrodes that dissipate the high levels of lightning energy providing protection to Telecom equipment and infrastructure.

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



THE ADVANTAGES

- Improved personnel safety
- reduced equipment damage and downtime
- improved signal quality
- high capacitance electrodes
- lower surge impedance design
- lower ground resistance
- conductor corrosion reduced by 90%
- less seasonal R value fluctuations
- virtually theft proof

THE NEXT STEP

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

GIVE US CALL. REDUCING YOUR RISK IS OUR BUSINESS.