

Renewables

Green. Ground. Protect.

Grounding challenges in the renewable energy sector:

- **Service interruptions** caused by lightning strikes due to poor or inadequate grounding strategy and systems
- **Damage to equipment** and infrastructure by power system ground faults
- **Risk of premature failure** (due to corrosion) of grounding systems built with traditional techniques and materials
- **Personnel safety hazards** due to improper or deficient grounding systems
- **Sensor and control system failures** due to unwanted ambient electrical noise and EMF radiation that can disrupt equipment and cause service interruptions



What Applications Will Benefit

- Wind farms
- Solar farms
- Hydroelectric facilities
- Electrical substations
- Energy storage systems



ELIMINATE CORROSION
REDUCE LIFETIME COST
ENVIRONMENTALLY FRIENDLY

RENEWABLE SOLUTIONS

Correct

deficiencies in existing renewable grounding systems by installing SAE products with an engineered, designed approach specific to lightning and fault mitigation.

Improve

the effectiveness, robustness and life expectancy of solar, wind and hydroelectric grounding systems by using SAE grounding products and engineering services.

Upgrade

solar, wind and hydroelectric transmission towers with long-life, ultra-low maintenance grounding systems engineered to effectively dissipate lightning energy or power system ground faults safely.

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