

AC MITIGATION SOLUTIONS

The demand to share rights-of-way with high-voltage power lines (HVPLs) continues to grow. With this comes an expanding need for interference and corrosion mitigation solutions for pipelines to minimize the induced voltage on the system. MasTec Professional Services performs AC mitigation analysis, design, installation, maintenance, and inspection on various assets collocated with HVPLs.

All installation services are performed by engineers, inspectors, and technicians with industry-leading AMPP (NACE International) certifications and operator qualifications. Our drive for innovation, quality, and safety allows us to complete any project on time and on budget, with minimal impact to landowners, total environmental compliance, and maximum overall efficiency.



Shared Right-of-Way Surveys

- GPS locating of above-ground facilities
- Soil resistivity measurements
- Visual inspections of both power and gas facilities/infrastructure
- AC and DC voltage measurements
- Light Detection and Ranging (LiDAR) for dimensioning of existing power and above-ground gas facilities

AC Mitigation Analysis

- Modeling complete right-of-way systems
- Analysis of existing mitigation solutions
- Evaluation of electrical model under steady state and fault conditions

AC Mitigation Solution Recommendations

- Mitigation recommendations based on specific project needs
- Recommended mitigation solutions considering construction means, methods, and best practices

AC Mitigation Solution Installation

- Project management
- Permitting
- Installation of proposed mitigation solutions
- Third party inspection of installation
- As-built packages
- Post-installation AC and DC voltage measurements along right-of-ways



COMMITMENT TO SAFETY

At MasTec companies, we are committed to protecting the environment and conducting our operations in a manner that promotes the health and safety of our employees, customers, and the communities in which we operate. Safety is a core value. We recognize the need for our workforce to have a safe and healthy workplace and are committed to maintaining a strong and sustainable safety culture in our organization. We prioritize investments in safety equipment and training because we care deeply about everyone going home safely.

ABOUT

MasTec Professional Services provides results-driven engineering, design, and integrated services to the power, oil, gas, and water industries. With a genesis in construction and a skilled team of multidiscipline engineers and project management professionals, we deliver end-to-end solutions for infrastructure projects across the country.

The MasTec Professional Services team is committed to excellence in every aspect of our work. We create collaborative partnerships with our clients, building trust by consistently exceeding expectations. Whether providing a singular service or a complex, comprehensive program, we bring a dedication to safety, a deep understanding of infrastructure, and the highest standards of performance to every job. Our best-in-class abilities include design, asset integrity management, feasibility studies, surveys, constructability reviews, turnkey delivery services, and more.

MasTec Professional Services is a subsidiary of MasTec, a certified Minority-Controlled Company by the National Minority Supplier Development Council (NMSDC).



HEADQUARTERS

MasTec Professional Services
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QUALIFICATIONS

- AMPP (NACE) Certifications - Cathodic Protection, Coating Inspection, Material Selection
- Registered Engineers in 27 States
- Operator Qualifications

CONTACT US AT 484-344-2161

MasTec
Professional Services