

The AC Mitigation PowerTool

What AC Mitigation PowerTool Does:

- Models, maps, and mitigates AC induced corrosion related problems for unlimited segments of pipelines running near and parallel to electrical powerlines
- Identifies induced AC voltages, AC corrosion, steady state, and fault conditions
- Reduces AC current density effects while meeting the criteria/standards specified by the National Association of Corrosion Engineers (NACE)
- Accounts for depth of cover for each section including deep HDD road and water crossings
- Analyzes Barnes layering and soil resistivity changes
- Models coating stress voltages as well step, touch, and surface potentials
- Designs mitigation strategies to ensure integrity of the pipeline

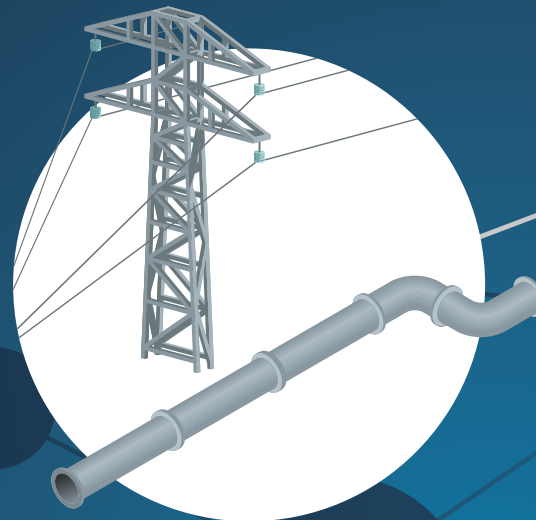
How AC Mitigation PowerTool Does It:

- Assesses new and/or existing pipelines and powerlines
- Assess unknown sources of AC corrosion
- Models AC conditions to assess induced voltages and determine mitigation solutions
- Assists in strategic field engineering implementation and post assessment activities

AC Mitigation PowerTool Benefits:

- Lowers operational expenditures through reduction in engineering time spent on AC modeling
- Reduces field time and costs by identifying design issues and appropriate mitigation designs quickly

Gather Parameters To Quickly Model All Types of AC Power Transmission Line(s) and Pipelines



Modeling with Quicker Results

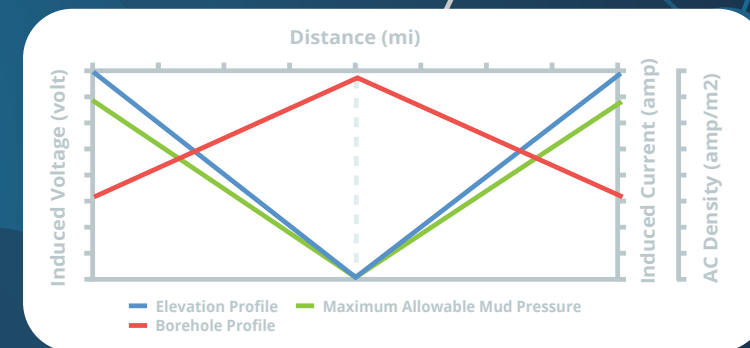


Create and Model Various Mitigation Designs

Discrete Grounds, Distributed Anode Beds, and Parallel Wire Placement



- Reduces risk in HCAs by analyzing multiple power transmission lines at a given time
- Integrate GIS mapping for more comprehensive critical engineering decisions and performance
- Accelerates project schedules through data automation thus modeling results for quicker engineering solutions



What AC Mitigation PowerTool Includes:

- PRCI AC Mitigation ToolBox Engine
- Barnes Layer Resistivity (Multiple Layers)
- Pipe Variable Depth of Cover for All Conditions
- Coating Stress Voltages with Arc Distances
- Touch, Step and Surface and Ground Potentials
- Reporting Tools with Additional Enhancements

Develop Mitigation Strategy

Revise Mitigation Design, if needed



Implement AC Mitigation Strategy

