



# ENGCORR Expands Service Offering with Technical Toolboxes' AC Mitigation PowerTool

## AT A GLANCE



**Customer:** ENGCORR Integrity Inc.

**Products Used:** AC Mitigation PowerTool

## THE CHALLENGE

ENGCORR specializes in designing cathodic protection (CP) systems for pipelines, but one key area remained outside of its service offering: AC Interference analysis. As client requests in this area increased, the team realized they needed a reliable, standards-based tool to expand capabilities and better compete with larger firms.

**“AS A PROVIDER OF CP SYSTEMS FOR PIPELINES, WE DID NOT OFFER AC INTERFERENCE ANALYSIS.”**

Without a technical solution to model and mitigate AC interference, ENGCORR relied on subcontractors who specialized in this area with the necessary capabilities. This limited the depth of their engineering packages and left potential revenue on the table.

**“THIS APPROACH LIMITED OUR CONTROL OVER PROJECT TIMELINES AND INTRODUCED ADDITIONAL COSTS. IT ALSO MADE IT HARDER TO RESPOND QUICKLY TO CLIENT NEEDS AND TO INTEGRATE AC MITIGATION INTO OUR BROADER CORROSION CONTROL STRATEGY.”**



## THE SOLUTION: AC MITIGATION POWERTOOL

ENGCORR evaluated other software providers but ultimately selected Technical Toolboxes' AC Mitigation PowerTool (ACPT) for its user-friendly interface, built-in standards, and seamless integration into their workflows.

**“WE ULTIMATELY CHOSE  
TECHNICAL TOOLBOXES  
BECAUSE IT PROVIDED A COST-  
EFFECTIVE SOLUTION WITHOUT  
COMPROMISING ON RESULTS.  
ITS USER-FRIENDLY INTERFACE  
AND PRACTICAL FEATURES  
MADE IT A BETTER FIT FOR  
BOTH OUR TEAM’S WORKFLOW  
AND OUR BUDGETARY NEEDS.”**

With ACPT, ENGCORR was able to:

- Model AC current density using industry-standard calculations
- Analyze touch, step, and surface potentials for fault scenarios
- Import data via GIS formats (e.g., shapefiles, KMZ) for easy geolocation
- Generate TVC-compliant reports to support clients’ PHMSA documentation needs





## THE RESULTS

The adoption of ACPT has been a game-changer. ENGCORR can now offer a full suite of pipeline interference and corrosion assessments – in-house – reducing delays, improving quality, and unlocking new business.

**“WITH THE AC MITIGATION TOOLBOX, WE CAN NOW OFFER A COMPLETE CORROSION CONTROL PACKAGE. THIS HAS IMPROVED OUR EFFICIENCY AND STRENGTHENED OUR SERVICE OFFERING, AS CLIENTS PREFER WORKING WITH A SINGLE, TRUSTED COMPANY FOR ALL THEIR CORROSION-RELATED NEEDS.”**

### Measurable Benefits:

- New Revenue Stream: AC modeling is now a standalone billable service
- Improved Client Confidence: Mitigation designs are backed by reliable calculations
- Faster Turnaround: Projects are completed more efficiently, with fewer bottlenecks
- Compliance-Ready: Reports meet traceable, verifiable, complete (TVC) standards



## FINAL THOUGHTS

As the ENGCORR team continues using ACPT, Cesar offered feedback to help the tool evolve with the needs of growing engineering teams.

ENGCORR's story is a strong example of how niche engineering firms can grow their capabilities and market value by adopting the right tools — without needing to expand headcount or overcomplicate workflows.



## WANT TO LEARN HOW THE AC MITIGATION POWERTOOL CAN SUPPORT YOUR NEXT PROJECT?

Built for real-world pipeline challenges, the AC Mitigation PowerTool helps you quickly assess AC corrosion risk and model mitigation strategies with confidence. No steep learning curve, no wasted time — just accurate, standards-based results in minutes. If you're tired of complicated workflows and unclear guidance, this tool simplifies the process and delivers clarity where it counts.

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