



Mopeka® Cathodic Sentinel

ACCURACY  
ABOVE  
EVERYTHING



## Why Mopeka Cathodic Sentinel Delivers Superior Financial and Operational Value

Cathodic Protection Monitoring: Smarter, Safer, and More Cost-Effective

### Real-Time Monitoring vs. Annual Manual Testing

Mopeka's Cathodic Sentinel is a continuous monitoring solution that provides twice-daily automated readings of cathodic protection performance—including voltage, current, and moisture—on underground steel propane tanks and pipelines.

In contrast, traditional third-party inspection services typically only provide a single manual test once per year. **That's 730 readings per year from Mopeka vs. less than ONE from a contractor or technician.**

### The True Cost of Traditional Manual Testing

Average Propane Service Technician Salary:	~\$60,000 – 80,000/year
Fully loaded cost with benefits, insurance, etc	~\$105,000/year
Service Vehicle: - Standard: \$75,000	Premium: \$180,000

Fuel, insurance, taxes, and maintenance: Additional ongoing costs (due to variance of organizational costs, these need to be taken into consideration ~ \$15,000-\$20,000).

#### On Site Technician Testing Capacity

10 tests/day

40 effective working weeks/year

2,000 tests/year

Cost per test: ~\$100



## Mopeka Cathodic Sentinel: Low-Cost, High-Impact Monitoring

Solution Cost
\$350 per unit, which includes:
1x Half-Cell with Moisture Sensor
\$1.50/month telemetry fee per tank
No technician labor required



(Note – the unit is also available with an integrated cellular Liquid Level Tank Reader. Contact Mopeka for more details)

Annualized Cost Per Tank	
Hardware (amortized over 5 years):	\$70/year
Telemetry:	\$18/year
Total annual cost per tank:	\$88
Number of readings per year:	730+
Cost per reading:	<\$0.13

Item	Mopeka Cathodic Sentinel	Traditional Third-Party Testing
Hardware Cost per Tank (\$)	350	0
Telemetry Cost per Month (\$)	1.5	0.0
Annual Telemetry Cost (\$)	18	0
Amortized Hardware Cost (5 yrs) (\$)	70	0
Total Annual Cost per Tank (\$)	88	100
Readings per Year	730	1
Cost per Reading (\$)	0.121	100.0
Service Vehicle Cost (\$)	0	75,000–180,000
Technician Salary (Fully Loaded) (\$)	0	\$105,000 (circa)

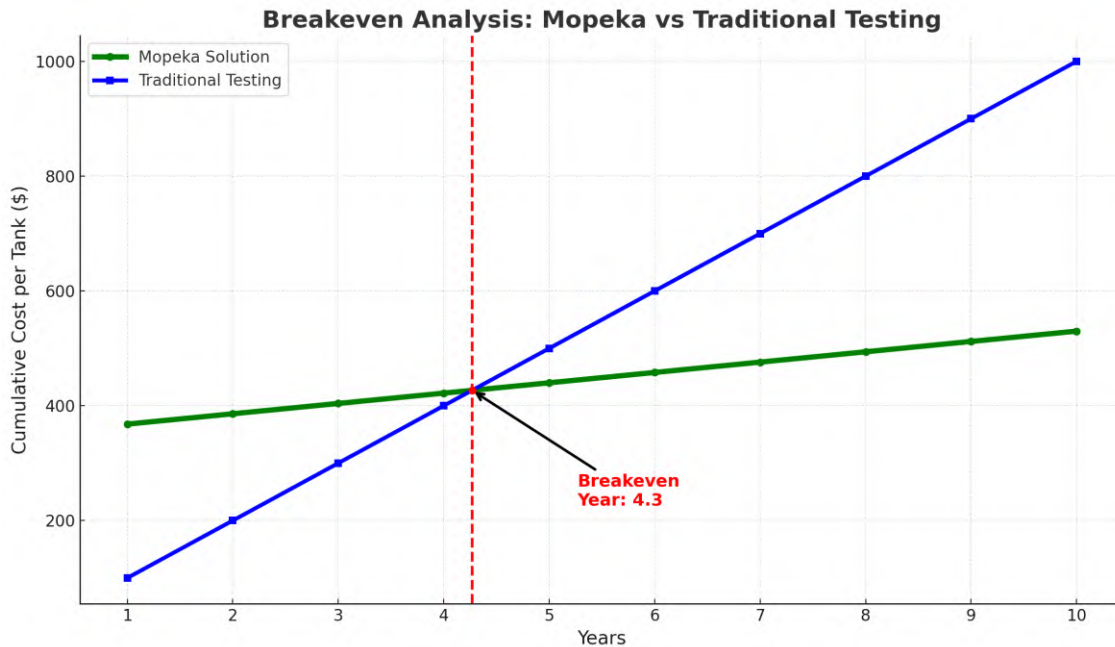
**In other words, the Mopeka solution gives you:**

- Over 700x more data
- At less than 1/1000th the cost per reading

Traditional Third Party Testing estimate does not included: >\$1000 cost for Cathodic Testing Probe Unit, Crystals and Solution (Crystals Bottle \$31.95 and Solution \$57).



## Break-Even Analysis



**Year 5 > \$60 and Year 10 > \$470 in savings vs traditional manual testing!**

## Additional Benefits of the Mopeka System

- Consistent monitoring prevents issues before they escalate – Peace of Mind
- Historical data stored for compliance, insurance, and audits
- No ongoing technician scheduling or travel logistics
- Preferred by customers, insurers, and regulators
- Helps retain valuable technicians for higher-value tasks

## Summary

Investing \$350 upfront + \$1.50/month for Mopeka's Cathodic Sentinel offers an immediate return on investment compared to relying on technician-based monitoring.

Over just 4 years, the Mopeka solution pays for itself more than four times over—while delivering superior safety, data, and peace of mind. Protecting your underground assets is crucial!

Ready to modernize your cathodic protection monitoring? Contact **Pat Halpin** at [phalpin@mopeka.com](mailto:phalpin@mopeka.com) or connect through any of our trusted partners.

Mopeka Cathodic Protection Services  
Smarter. Safer. Real-Time.



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