

Introduction to OmniMetrix



Who We Are

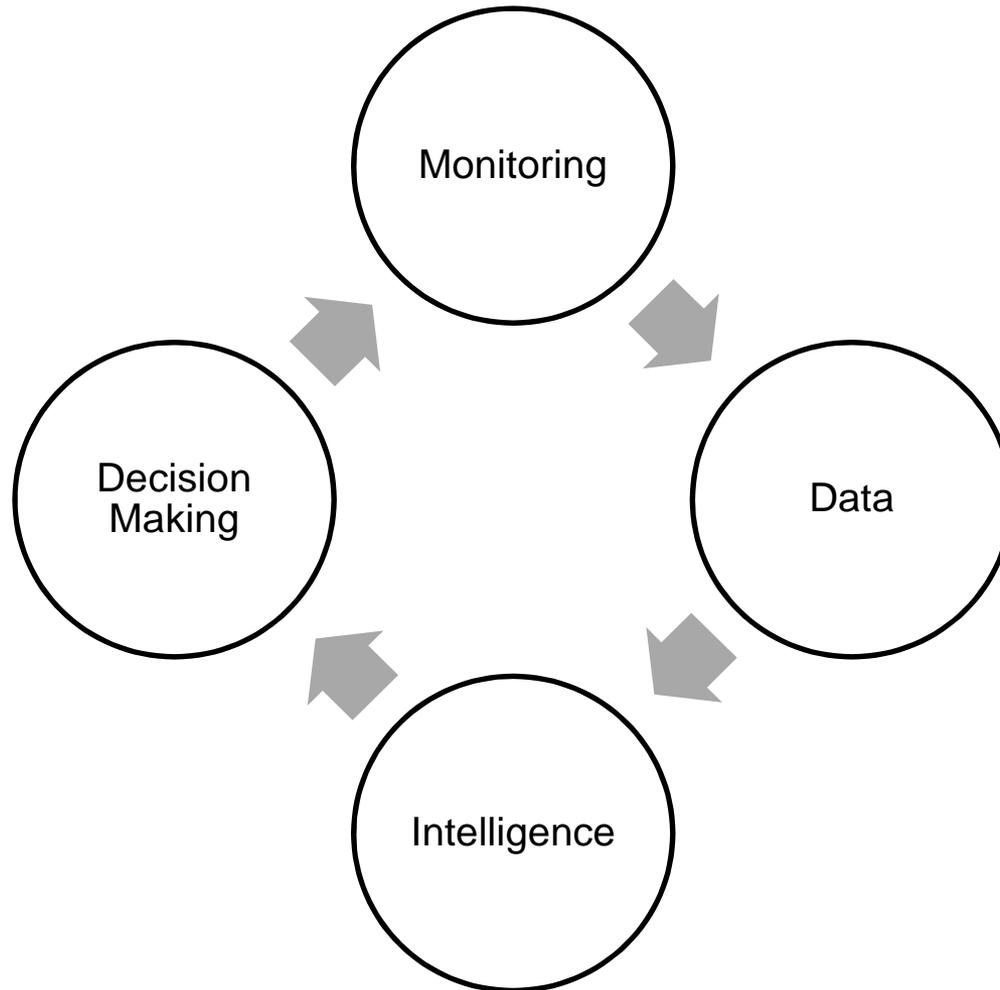
OmniMetrix® is the leader and pioneer in wireless remote monitoring, control and diagnostics for pipelines and critical equipment. With over 16 years of experience and thousands of monitored assets, OmniMetrix is the proven solution for making critical systems more reliable. OmniMetrix is a trusted solution for pipelines and critical facilities globally, including cell towers, medical facilities, data centers, public transportation systems, as well as federal, state and municipal government facilities.



“Data to Intellegence”

- “Knowledge” is power
- “Science” is knowledge organized and systematized
- The Science of CP monitoring is Knowledge/Data organized and systematized to make the best decision with O&M and Capital Investments
- Pipeline repair vs replacement

Monitoring Process



Monitoring

- The ability to access and document test station or rectifier functions at a glance
- Store current and historical information for compliance audits and troubleshooting
- Coupon monitoring applications eliminate IR Drop from the equation, (NACE SP0104)

Data

- Rectifier Output Voltage
- Rectifier Output Current
- AC detection
- GPS at a glance
- Instant off potential
- Fault/Fault History
- Graph all functions
- Export to Excel
- Bond Measurement
- OmniScope

Intelligence

- Text Messaging of Alarms
- E mail of Alarms
- Selected transfer of information to selected technicians or supervisors
- Cellular and Satellite Coverage interface with any web connected device
- All configuration is done remotely
- OmniUpdate Remote Firmware Update
- StormSense Lightning Protecting before it strikes

Decision Making

- Locate areas that need immediate attention
- Repair or Replace
- Protect pipeline investment by investing in remote monitoring
- Remove “find and fix” habits, by identification and analyzation of problem areas, with the use of graphing and historical data
- Compare leak history with corrosion monitoring to identify leakage and failures before they happen

Rectifier Monitoring

- The OmniMetrix Rectifier Monitor is a remote monitoring unit for CP Rectifier monitoring applications. It is a self-contained wireless platform that performs these measurements automatically: Rectifier Output Voltage, Rectifier Output Current, AC power & Aux input
- The OmniMetrix Rectifier Monitor features wireless connectivity via Cellular Radio or via the Iridium Satellite network
- Features:
 - GPS Synchronized Rectifier Interruption
 - OmniUpdate™ Remote Firmware Update...No Field Laptop Required!
 - STORMSENSE™ an exclusive OMNIMETRIX feature that monitors the atmosphere for lightning activity and acts to isolate the monitor from the Rectifier & from AC control power when lightning is sensed
 - OmniScope™ an oscilloscope function unique to the OmniMetrix system
 - OmniView™ Secure Website, available from any internet enabled device... No Custom Software!
 - Programmable Reporting Interval and Alarm Limits



Overview

Test Station Monitoring

Alarms and Notifications

Rectifier Monitoring

TapCommander

OmniView

Reports

User Types

Troubleshooting

Data Available

Parameter Graphs

Basic Monitoring

ScopeView



TapCommander™

- TapCommander™ allows for easy adjustment of rectifier tap settings
- Benefits
 - ✓ Greatly reduces costs by reducing or eliminating:
 - Travel to sites
 - Time at sites
 - Return trips for adjustments
 - ✓ Allows user to easily change rectifier output current
 - ✓ Maintains higher accuracy on output current
 - ✓ Increase safety/risk mitigation

Functionality At Rectifier Site

- Easy and simple to use
- Adjust current output without tools
 - ✓ Change voltage setting on Rectifier Monitor with tap of a button
 - ✓ No need to unbolt and reposition clunky taps each time you want to raise or lower rectifier output
- Higher accuracy
 - ✓ Increase or decrease rectifier voltage and current and rapidly see result



Remote Access Via SmartCurrent™

- Make voltage adjustments from smart device
 - ✓ Access via smart phone, tablet, laptop, PC
 - ✓ Eliminates travel to site for adjustments
- Use SmartCurrent™ to automatically control current
 - ✓ Choose and set optimal current
 - ✓ Voltage monitored 24/7 and self-adjusts daily to maintain current
 - ✓ Eliminates seasonal or conditional manual adjustments
 - ✓ Frees staff for other duties



Test Station Monitoring

- The OmniMetrix Patriot, is a 2-coupon measurement system. It is a self-contained wireless remote monitoring unit for pipe-to-soil, potential-to-structure, AC Measurement and for determining IR drop
- The OmniMetrix Patriot features wireless connectivity via Cellular Radio or via the Satellite network
- Features
 - ✓ OmniUpdate™ Remote Firmware Update...No Field Laptop Required!
 - ✓ OmniScope™ an oscilloscope function unique to the OmniMetrix system
 - ✓ OmniView® Secure Website, available from any internet enabled device... No Custom Software!
 - ✓ Remotely Programmable Measure and Report Interval
- BENEFITS
 - ✓ CP System Improvement to Defer Pipe Reconstruction
 - ✓ Leverages Extensive Cellular Coverage
 - ✓ Durable Polycarbonate Enclosure
 - ✓ Internet Delivered Alarms and Data



Installation (40 Min)



Installation



Installation



Installation Complete



Increase Safety/Reduce Risk

- Less travel to sites = reduced overall risk
 - ✓ Fewer accidents on the way to the job site
 - ✓ Fewer on-site injuries
 - ✓ Decreased workers' compensation claims
 - ✓ Safer employees



Compliance

- Remote monitoring will provide all documentation necessary for any audit.
- Trouble Ticket (Track what you did and when you did it)
- Data when you want it, how you want it.

How we beat the competition

- Customer Service (Let us do the work)
- User friendly
- Training on demand
- Unlimited data acquisition
- Storm Sense
- OmniScope
- Synchronization of instant off
- Tap Commander
- Bond measurement capability (at the rectifier if necessary)
- Customize (We are the manufacture)
- Easy installation

Please stop at the booth

- I can schedule a web demo with you corrosion staff at your leisure.
- Questions?