

Corrosion Installation & Applications Pre-installation Testing & Diagnostic Engineering Design
Protection Testing Post Installation Engineering Pipeline Integrity Management Operator Qualification Pro
Assessment Soil Testing & Analysis Metal Failure Concrete Analysis **Expert Witness** News Speaking Engagem
Marketing Engagements Archives Articles MATCOR SPL™ Mini-Deep™ Anode NACE Global & NACE Local Cath
Protection Products & Services Brochure Project Directory Oil & Gas Pipelines Employment Industry Anode Of
International Reps **Corrosion Protection Engineering** Pre-Installation Testing & Diagnostic Engineering
Commissioning Inspection Testing **Pre and Post-Installation Engineering** Pipeline Integrity Managem
Operator Qualification Program Direct Assessment Research & Innovation Soil Testing & Analysis Metal Failure Con
Analysis Expert Witness Pipeline Integrity Management Operator Qualification Program Direct Assessment Cath
Protection Materials & Systems **Cathodic Protection System and Materials** Linear SPL™ Anode System
C-HDP Applications for Above Ground Storage Tanks Model Codes Design Guides Deep Anode Sys
Supervent™ Pipe Deep Anode Backfill Off Shore & Marine Systems Sea Bottom Sea Floor Super-sled™ PW™ Anod
Anode Water Tanks PFT™ Anode Internal Cathodic Protection Systems Reinforced Steel for Concrete Systems Cath
Protection Products Impresses Current **Anodes MMO MMP™ -Anode MMB™ -Wire Anode MMB™ -Tubular Anode Rib**
Titanium Conductor Bar Platinum PL®-Anode Design Guide Installation Guide Graphite Bare Prepacka
Carbon Iron Prepackaged Canister Sacrificial Anodes Aluminum **Mixed Metal Oxide** Ribbon & Rod
Anodes Conventional Options Model Codes Thermal Electric Generators Power Cable HMWPE, Halar, Ky
Reference Cells MATCOR Supervent™ Vent Pipe Test Equipment Test Stations Accessories Cadweld-Erico Prod
Service Kits Coke Breeze MATCOR Metallurgical Coke Deep Anode Backfill Cathodic Protection Installation MATCOR
Backhoe, Ditch Witch, Cable Plow, Road Bore, Street MATCOR Mini Deep™ Oil & Gas Pipelines Total Project Capabil
Over Chile Power Plant **Steel-in-Concrete Rehabilitation** North China Fairless Hills Energy Ce
Summet Energy Center Decker, Holly & Sand Hill CP upgrades Noblesville Generating Facility Louisa County En
Water Pipeline Transmission, Distribution & Storage PG&E Utility Baku-Tibilis-Cehyan Oil Pipeline Texas East
Transmission Plantation Pipeline Columbia Gas **Research & Innovation** PECO Energy Kern River Gas Transmis
Process Facilities Syracuse China Clark Oil ABB Lummus Distrigas Civil/Transportation Coral World Mass Transit Rail
Ap.-Hong Kong Marshall Space Flight Center **Syracuse Airport Reinforcing Steel-in-Concrete Bridge Deck Natio**
Geographic Parking Garage Rooney Palace Franklin Field Philadelphia Art Museum Water Treatment Facilities W
Lakes Wells-Puerto Rico Hetch Hetchy Water & Power Contra Costa Water District Westland's Water District CP of the C
Reservoir Santa Clara Valley Water District Corrosion Engineering ABB China Seeco Griffin Industries Bucks Cou
Recreational Facility Biothane Central Marin Sanitation Agency Zone 7 of Alameda County Military Integrity Managem
Under Morgan ECDA Validation Project for Texas Rail Road Commission PRCI Gas Pipeline ECDA Project TXU EC
Integrity Project Marine Unloading Dock Virgin Islands Petroleum Above Ground Storage Tanks Management Cath
Protection Materials & Systems Cathodic Protection Installation Markets & Applications Pre installation Testin

MATCOR

No stronger name in corrosion protection

Direct Assessment – Integrity Management Services

MATCOR INTEGRITY MANAGEMENT

Not just a survey company: MATCOR's experienced corrosion engineering staff goes beyond collecting data to provide solutions to corrosion issues.

The MATCOR team uses proven assessment techniques and a deep knowledge of leading-edge tools and technology to deliver an auditable assessment that exceeds regulatory compliance requirements.

Each MATCOR Direct Assessment:

- Is managed by a team of technical experts well-known throughout the industry
- Adopts an engineering-driven approach
- Uses state-of-the-art testing equipment and software
- Delivers auditable reports
- Has NACE-certified technicians and engineers managing field crews
- Includes professional project management with daily communication to the client



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MATCOR INTEGRITY SERVICES



Customer Perspective:

We choose companies that teach us rather than those that look for us to teach them. What is refreshing about having MATCOR handle our direct assessment? From the start, the MATCOR staff had the experience and expertise to evaluate our entire program. They guided us through every step of the process and at the end of the project we not only got the specific results we needed, but the entire direct assessment process was incrementally improved through the addition of MATCOR's ideas and recommendations. These guys were the best.

Major Pipeline Operator, Pipeline Integrity Team Leader



MATCOR delivers auditable reports that exceed regulatory compliance requirements.

MATCOR Integrity Services

Assessment Planning/Program Development

- IMP Plans
- Baseline assessment plans
- Facility integrity plans
- Direct assessment plans (ECDA, ICDA, SCCDA and CDA)
- Regulatory requirement review of plans, including revisions

Pre-Assessment

- Data collection and analysis (data element table-DET)
- DA feasibility study
- Selection of appropriate inspection tools

Indirect Inspection

- Field surveys (CIS, PCM, DCVG, ACVG, Guided Wave, and others)
- Traffic control and pavement drilling for paved roads
- Integrated and aligned survey information
- Dig priority severity matrix
- ILLI evaluation and validation

Direct Examination

- UT and other NDE
- Planning and execution of digs
- Data collection and evaluation, including comprehensive dig data sheets
- Assess coating damage and corrosion depth
- Soil analysis and testing
- Remaining strength calculations
- Root Cause Analysis
- Determination of required number of digs

Post-Assessment

- Evaluation and analysis of data
- RSTRENG and B31.G calculations
- Remaining life calculation
- Corrosion growth rate determination
- Define reassessment intervals
- Evaluation and analysis of DA effectiveness

Mitigation and Repair

- All aspects of remedial work performed
 - Composite sleeve sizing and installation
 - Cathodic protection installations and construction (linear, deep, distributed, etc.)
 - Coating specifications and materials

Other Integrity Inspections

- ILLI program management
- Guided Wave inspections
- Hydro-test program management
- PHMSA Inspection
- AC Corrosion Studies

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Established in 1975, MATCOR is one of the most experienced providers of corrosion technology. We provide comprehensive design engineering services and total cathodic protection solutions worldwide. We offer a full array of materials, installation, testing, maintenance and complete project management. Call 800.523.6692 to put the benefits of total corrosion protection to work for you.

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