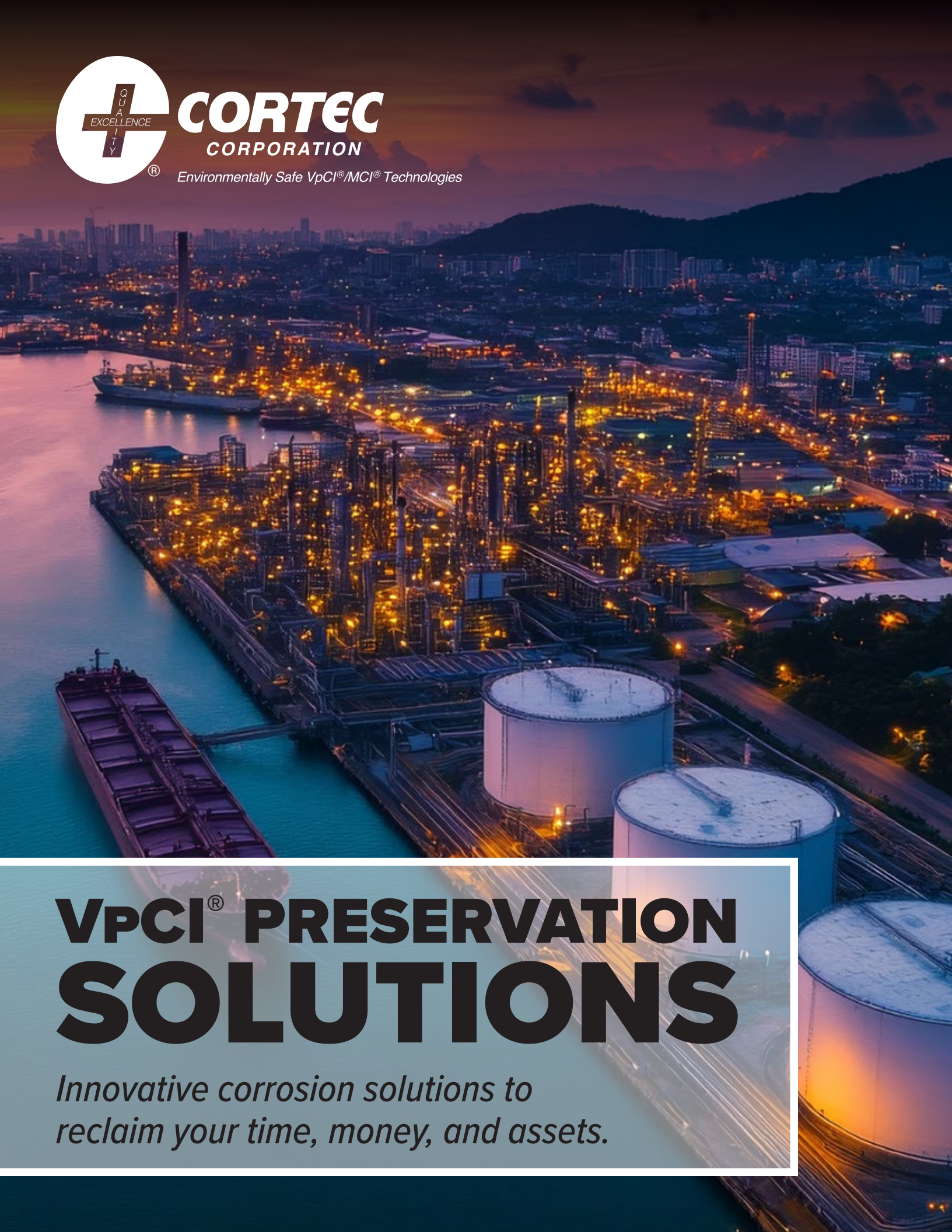
CORTEC CORPORATION

Environmentally Safe VpCI®/MCI® Technologies



VpCI® PRESERVATION SOLUTIONS

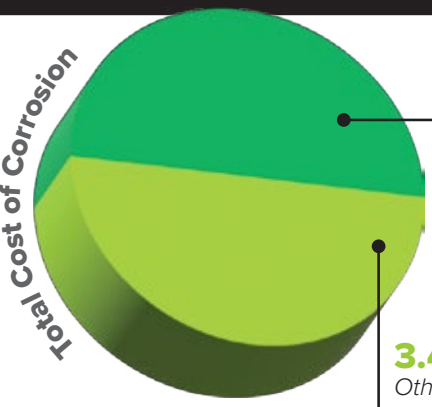
Innovative corrosion solutions to reclaim your time, money, and assets.

Corrosion can be costly in many facets of a process: increased operational expenses, reduced equipment lifespan, and unplanned downtime, among others. Implementing proactive corrosion prevention strategies, such as VpCI® technology, minimizes these risks, ensuring reliability, safety, and long-term cost savings.

TOTAL COST OF CORROSION

Direct Cost PLUS Indirect Cost EQUALS 6.8% GDP

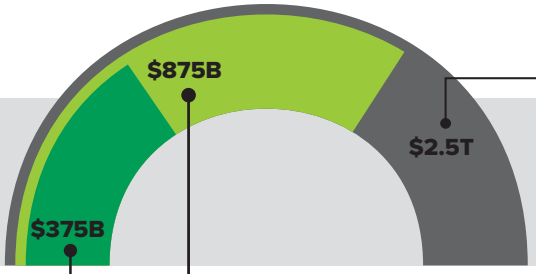
COST ACROSS ALL INDUSTRIES



3.4% Direct Costs
AMPP estimates Direct Corrosion Costs at 3.4% GDP

3.4% Indirect Costs
Other research estimates Indirect Corrosion Costs to be equal to Direct

CORROSION MANAGEMENT SAVINGS



Total Corrosion Costs

Research suggests that between 15% - 35% of Total Corrosion Costs could be prevented by PROPER CORROSION MANAGEMENT

Maximum Corrosion Management Savings

Minimum Corrosion Management Savings

If Total Corrosion Costs **$2.5 TRILLION**
Corrosion Management Savings could be
$375 - $875 BILLION/YEAR

Association for Materials Protection and Performance (AMPP) "What Is Corrosion?"
Figures represent global estimates and potential savings under improved corrosion control practices.

CORROSION PAIN POINTS

Thousands to millions of dollars' worth of **spares lost to rust** in deficient storage conditions

Unplanned oil and gas sector downtime: **$200K-600K/hour** depending on oil prices*

Forecasting of extra **spares by at least 10%** in greenfield projects**
(for physical and corrosion damage)

Incalculable **risks to health and safety** from faulty equipment

Eliminating corrosion can quickly pay for itself with potentially astronomical savings.

*Siemens 2024, https://assets.new.siemens.com/siemens/assets/api/uuid:1b43afb5-2d07-47f7-9eb7-893fe7d0bc59/TCOD-2024_original.pdf
**Cortec Proper Spares Preservation, www.cortecvci.com/press-release-how-to-reduce-excess-inventory-by-proper-spares-preservation

WHAT IS CORROSION?

Corrosion is an electrochemical process that seeks to return refined metals to their natural state (e.g., iron ore is a natural form of rust). To turn iron ore into steel, energy (e.g., intense heat) must be added to convert it into a useful state. Unfortunately, as time goes on, there is a strong pull on that refined steel to turn it back into its natural form of iron oxide, or rust.

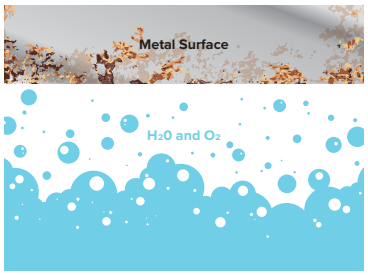
Natural Iron Ore

THE KEY TO RUST PREVENTION

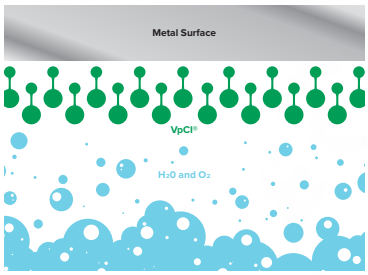
The key to stopping rust is understanding the corrosion triangle and knowing how to break it. For corrosion to occur, three components typically must be present: metal, oxygen, and an electrolyte. Oxygen combines with metal molecules to create an oxide. Water provides an excellent electrolyte for ion transfer between the "anode" and "cathode" to complete the corrosion circuit. If any of these three elements—metal, oxygen, electrolyte—is eliminated, the corrosion triangle can be broken.

HOW VPCI® BREAKS THE CORROSION TRIANGLE

Cortec's Vapor phase Corrosion Inhibitors can break two sides of the corrosion triangle by creating a molecular barrier that protects metal from oxygen and water. Similar to the effective but temporary bond of a magnet to metal, these Vapor phase Corrosion Inhibitors "adsorb" or temporarily "stick" onto a metal surface, making it more difficult for oxygen and moisture to interact with metal ions.



Corrosion reaction starting on unprotected metal



VpCI® barrier keeping moisture and oxygen from interacting with metal

THE VAPOR-PHASE APPLICATION MECHANISM

Vapor phase Corrosion Inhibitors make preservation easier because they vaporize and diffuse from areas of higher concentration to areas of lower concentration. This vapor action makes it easier to thoroughly protect intricate or hard-to-reach surfaces. It also reduces the need for greasy rust preventatives that are difficult to clean off. As long as the void space remains closed, Vapor phase Corrosion Inhibitors will be trapped inside, protecting the metal. When the enclosure is opened, the Vapor phase Corrosion Inhibitors float away, leaving the metal clean and ready to use.

HOW VPCI® PRESERVATION CAN HELP

Our team has decades of experience partnering with industries around the world to solve real-life corrosion challenges. Through innovative VpCI® (Vapor phase Corrosion Inhibitor) technology, we've developed and implemented proven preservation strategies even for complex assets and environments. These case histories highlight how VpCI® systems help mitigate corrosion in nearly any situation—from long-term storage and shipping to operational standby and layup—delivering reliable, cost-effective protection you can trust.

CORROSION PROTECTION OF CRITICAL COMPONENTS, TOOLING, AND GAUGES

THE PROBLEM: A turbomachinery repair company faced rust on precision components and tools during storage and transport.

THE APPLICATION: Parts were cleaned with CorWipe® 300, sprayed with ElectriCorr™ VpCI®-239, wrapped in CorShield® VpCI®-146 Paper, and sealed in VpCI®-126 Bags with Cor-Pak® 1-MUL inside a crate.

THE CONCLUSION: The customer used these recommendations to write a thorough preservation procedure that will give them peace of mind with only light cleaning needed before commissioning.

PRESERVATION OF WAREHOUSED CRITICAL ASSETS

THE PROBLEM: A major oil company needed to preserve offshore assets for an indefinite period of time after COVID-19 production cuts led them to warehouse unused equipment.

THE APPLICATION: Trained staff implemented a full VpCI® preservation system using cleaners, films, emitters, and coatings to protect both mechanical and electrical components.

THE CONCLUSION: The client was happy with this "one-stop" solution, which earned repeat use and ongoing implementation at company warehouses.

PACKAGING AND PRESERVATION OF MAIN TERMINAL BOXES

THE PROBLEM: The customer needed 12-month preservation for five Main Terminal Boxes (MTBs) before commissioning.

THE APPLICATION: VpCI®-111 Emitters were installed inside, ElectriCorr™ VpCI®-239 was applied to terminals, and the units were packed and sealed in VpCI®-126 HP UV Shrink Film.

THE CONCLUSION: This approach ensured full protection without extensive product removal at commissioning.

RESTORATION AND PRESERVATION OF OIL AND GAS SPARES

THE PROBLEM: Spare parts had rusted due to inadequate storage protection and needed restoration and future preservation.

THE APPLICATION: Parts were cleaned with VpCI®-422 solution, neutralized with VpCI®-414 solution, coated with VpCI®-337, and wrapped in MilCorr® VpCI® Shrink Film (with CorrLube™ VpCI® Lithium EP Grease used for bearing packing).

THE CONCLUSION: The process restored parts to like-new condition and provided simple, long-term protection for extended outdoor storage.

LONG-TERM PRESERVATION OF VEHICLE TRANSMISSIONS

THE PROBLEM: The customer needed long-term preservation for 263 transmissions for five to seven years.

THE APPLICATION: Each transmission was wrapped and sealed using CorrLam® LD VpCI® Barrier Laminate.

THE CONCLUSION: The solution proved easy to use and effective, with no corrosion issues reported even four years later.

PROTECTING SHIP ENGINES IN OUTDOOR STORAGE

THE PROBLEM: A marine engine manufacturer needed effective internal corrosion protection for massive engines stored outdoors for 12 months.

THE APPLICATION: In addition to standard protection with VpCI®-329, VpCI®-126 HP UV FR Film, and VpCI®-130 Foam, the engines were treated internally with BioPad® for for six months as an alternative to competitor VCI chips.

THE CONCLUSION: The test proved successful, and the manufacturer switched to BioPad®, gaining a biobased, low-odor, cost-effective solution that protects more space and supports annual preservation of 150 engines.

MAINTENANCE AND PRESERVATION OF POWER PLANT GAS TURBINE

THE PROBLEM: A gas turbine was temporarily shut down for maintenance, with many components showing rust and needing cleaning and preservation.

THE APPLICATION: Components were cleaned with VpCI® solutions, rust was removed with VpCI®-422, CorrVerter® was applied as needed, and critical parts were wrapped in VpCI®-126 EM UV Film with VpCI®-111 Emitters for internal corrosion protection.

THE CONCLUSION: The maintenance work not only improved component appearance but also provided extra protection for equipment waiting to return to service.

STEAM TURBINE AND GENERATOR PRESERVATION

THE PROBLEM: The client needed to protect five sets of outdoor steam turbines and generators from corrosion during a refinery development project.

THE APPLICATION: Units were covered with VpCI®-126 HP UV Shrink Film or MilCorr® VpCI® Shrink Film, with Desicorr® VpCI® Pouches placed inside to control humidity.

THE CONCLUSION: The solution met the client's needs, and they planned to continue using Cortec® products in future projects.

OIL & GAS

From offshore platforms to refineries, the oil and gas industry faces some of the harshest environments for corrosion—saltwater, humidity, extreme temperatures, and chemical exposure. Left unchecked, corrosion can lead to costly downtime, safety hazards, and environmental risks. Our proven VpCI® solutions provide robust protection across the entire life cycle of oil and gas assets—from exploration and drilling equipment to processing and transport infrastructure. By extending service life and reducing unplanned maintenance, we help operators protect critical investments while improving safety, sustainability, and operational efficiency.

PROJECT LIFE CYCLE

FEED STAGE
(Front End Engineering Design)

Reviewing your existing preservation plan (or creating a new one) at this stage allows for the best chance of success, as this plan will affect every other stage of the construction and commissioning process.

PROCUREMENT OEM STAGE
(Original Equipment Manufacturer)

Engaging directly with OEMs ensures critical equipment arrives at the project site ready to be installed, whether that is upon receipt or years later.

OVERSEAS SHIPMENT

Shipping the completed modules or FPSO (Floating Production Storage and Offloading) units is a weeks- or months-long ordeal with continuous exposure to salt air and water. Having a proper preservation system in place ensures your assets will arrive on site ready for the next phase.

CONSTRUCTION STAGE

The construction phase of a project involves long-term exposure to outdoor weather conditions at the project site. Whether working with stick-built or modular construction, Cortec® preservation experts have the knowledge to help keep your construction process on time and under budget.

PRE-COMMISSIONING COMMISSIONING START-UP STAGE

An effective preservation plan ensures a safe, reliable system startup, while reducing future maintenance costs.

CRITICAL SPARES WAREHOUSE MANAGEMENT

Preserving critical spares ensures operational readiness when inevitable equipment failure occurs. Without properly preserved spares, the costs of downtime can be enormous.

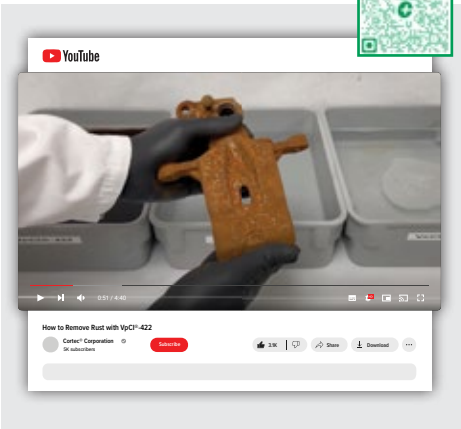
WAREHOUSING & CRITICAL SPARES

It's not uncommon to walk into an oil and gas plant, power plant, or manufacturing facility and find rows of rusted spares—often worth thousands or even hundreds of thousands of dollars. Inadequate storage conditions, poor preservation practices, or unclear departmental responsibility can leave critical spares exposed and unusable. The result? Asset loss, production delays, and increased risk. But all is not lost.

For decades, preservation teams around the world have successfully reclaimed valuable components using Cortec's proven "Clean, Protect, Preserve" approach and corrosion technologies. Let us help you recover lost value and improve plant reliability with smarter asset management and long-term corrosion protection that keeps spares corrosion-free and ready to use.

HOW TO REMOVE RUST

WATCH HERE!



SET UP STATIONS

To begin the rust removal process, set up the VpCI®-422, rinse water, and VpCI®-414 stations. Once these are in place, proceed with rust removal as follows:

1

CLEAN & DEGREASE THE PART, IF NEEDED

2

IMMERSE THE PART IN A SOLUTION OF VpCI®-422

Check the components periodically to see how rust removal is proceeding.

3

DIP THE PARTS IN PLAIN WATER

Rinse away any residual VpCI®-422 and corrosion products so as not to contaminate the final neutralizing bath. At this stage, the worker can proceed to the final rinse or perform another round of rust removal, if needed.

4

DIP SATISFACTORY PARTS IN AN ALKALINE CLEANER

SUCH AS A SOLUTION OF VpCI®-414

This alkaline cleaner neutralizes the acid and inhibits flash rust.

5

DRY THE PARTS AND PRESERVE THEM AGAINST FURTHER RUSTING IN STORAGE OR TRANSIT

Once the parts are restored and cleaned, they can be preserved using a variety of VpCI® films, fogging fluid, emitters, and coatings. These offer the advantage of dry protection without the need for additional cleaning or degreasing before the parts can be used. Preservation materials are extremely effective and easy to use, potentially saving the facility thousands to millions of dollars in potential losses.

PRESERVATION CHECKLIST FOR CLEAN, DRY ASSETS

☐ PROTECT INTERNAL VOIDS

For static internals like pipes and vessels, hydrotest with the VpCI®-649 Series, if possible, to save additional preservation and drying steps. Fog with CorroLogic® VpCI®-339 Fogging Fluid if desired.

For rotating internals like compressors, gearboxes, and turbines, apply VpCI® additives or fogging fluids based on system compatibility.

☐ PROTECT ELECTRICAL/ELECTRONIC PANELS

Insert VpCI® Emitters based on the volume of protection needed. Turn power off before spraying electrical contacts with ElectriCorr™ VpCI®-238/239, if extra protection is needed (e.g., for cabinets with ventilation or outdoor exposure).

☐ APPLY REMOVABLE COATINGS TO EXPOSED SURFACES

CorShield® VpCI®-368 (waxlike) is often used for static surfaces (e.g., flanges), and CorShield® VpCI®-369 (wet film) is often used for rotating surfaces (e.g., shafts) during preservation and layup.

☐ PACKAGE IN VpCI® BAGS OR FILMS

Choose film type based on environment and storage duration:

- VpCI®-126 Film and Bags (e.g., indoor storage)
- VpCI®-126 HP UV Shrink Film (e.g., up to two years of outdoor exposure)
- MilCorr® VpCI® Shrink Film (e.g., extra long-term outdoor exposure and where UV blocking is needed)

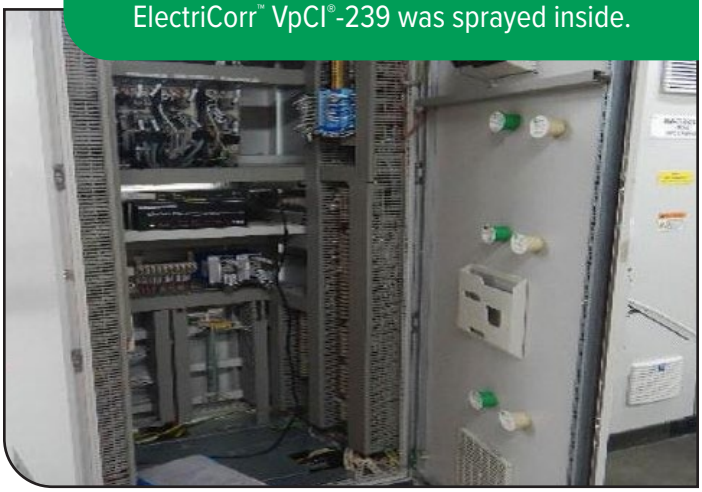
Consider using resealable bags or installing access doors where inspection is needed.

☐ CONTACT CORTEC® FOR RECOMMENDATIONS IF...

- Long-term preservation is needed
- Inspection is required during preservation period

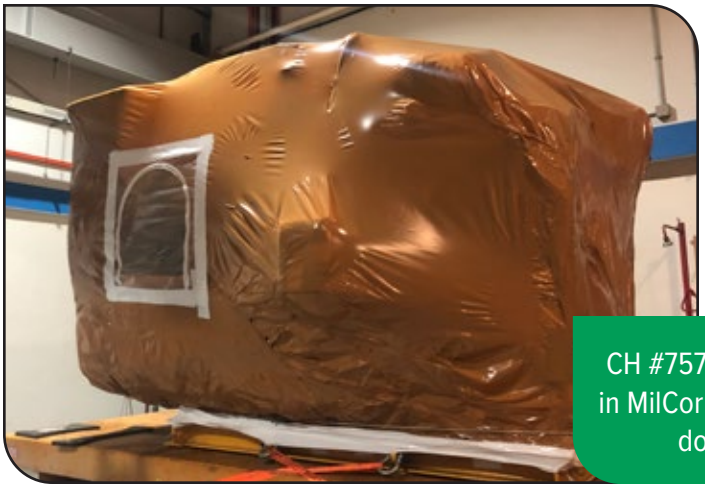
CH #851: Tubes were individually fogged with VpCI®-337 and capped before being bundled and wrapped in VpCI®-126 Blue for shipment.

CH #705: VpCI® Emitters and Corrosorber® cups were attached to the door of the junction box, and ElectriCorr™ VpCI®-239 was sprayed inside.



CH #830: Fogged the internal pipes with VpCI®-337 and cleaned each flange face with ElectriCorr™ VpCI®-239 prior to applying CorShield® VpCI®-369.

CH #700: MilCorr® VpCI® Shrink Film was wrapped around entire unit to protect the pump from wind, rain, UV light and corrosive attack during the long trip through the outdoor elements.



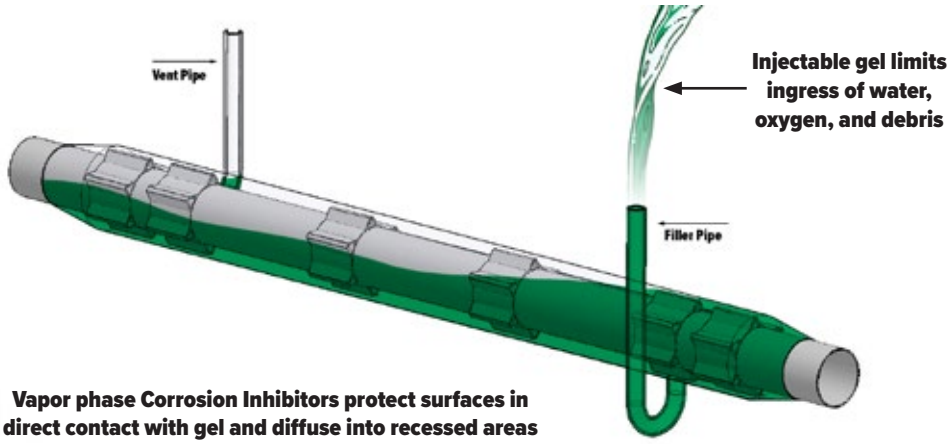
CH #757: The unit was shrink wrapped in MilCorr® VpCI® Shrink Film with access door for future inspections.

PIPELINE CROSSINGS & ABOVEGROUND STORAGE TANKS

CorroLogic® provides smart, effective corrosion protection for these difficult zones—working independently or alongside cathodic protection (CP), and without requiring a constant power source. With the inclusion of VCI* technology in industry-recognized standards like API Technical Report 655 and AMPP SP21474-2023, now is the ideal time to consider CorroLogic® solutions for safeguarding your aboveground storage tanks (ASTs) and pipelines throughout their service life.

ASTs and hazardous fluid pipelines are subject to strict regulations to ensure structural integrity and environmental safety. One of the greatest challenges in meeting these standards is corrosion—especially in hard-to-access areas like the underside of AST bottoms and inside cased pipeline crossings.

CORROLOGIC® ADVANTAGE FOR CASED PIPELINE CROSSINGS



Vapor phase Corrosion Inhibitors protect surfaces in direct contact with gel and diffuse into recessed areas or under delaminated coatings

There are more than **730,000 miles** (1.18 million km) of pipeline in global midstream oil and gas market

That's more than 29 trips around the world!

*Equivalent to CorroLogic® VpCI®.

WHY DO CASED PIPELINE CROSSINGS NEED CORROSION PROTECTION?

- Half of gas transmission pipelines in the US alone are more than 55 years old*
- External casings offer mechanical protection/access but trap corrosive materials and make inspection difficult
- Wax fillers or coatings can collapse or delaminate; CP can fail

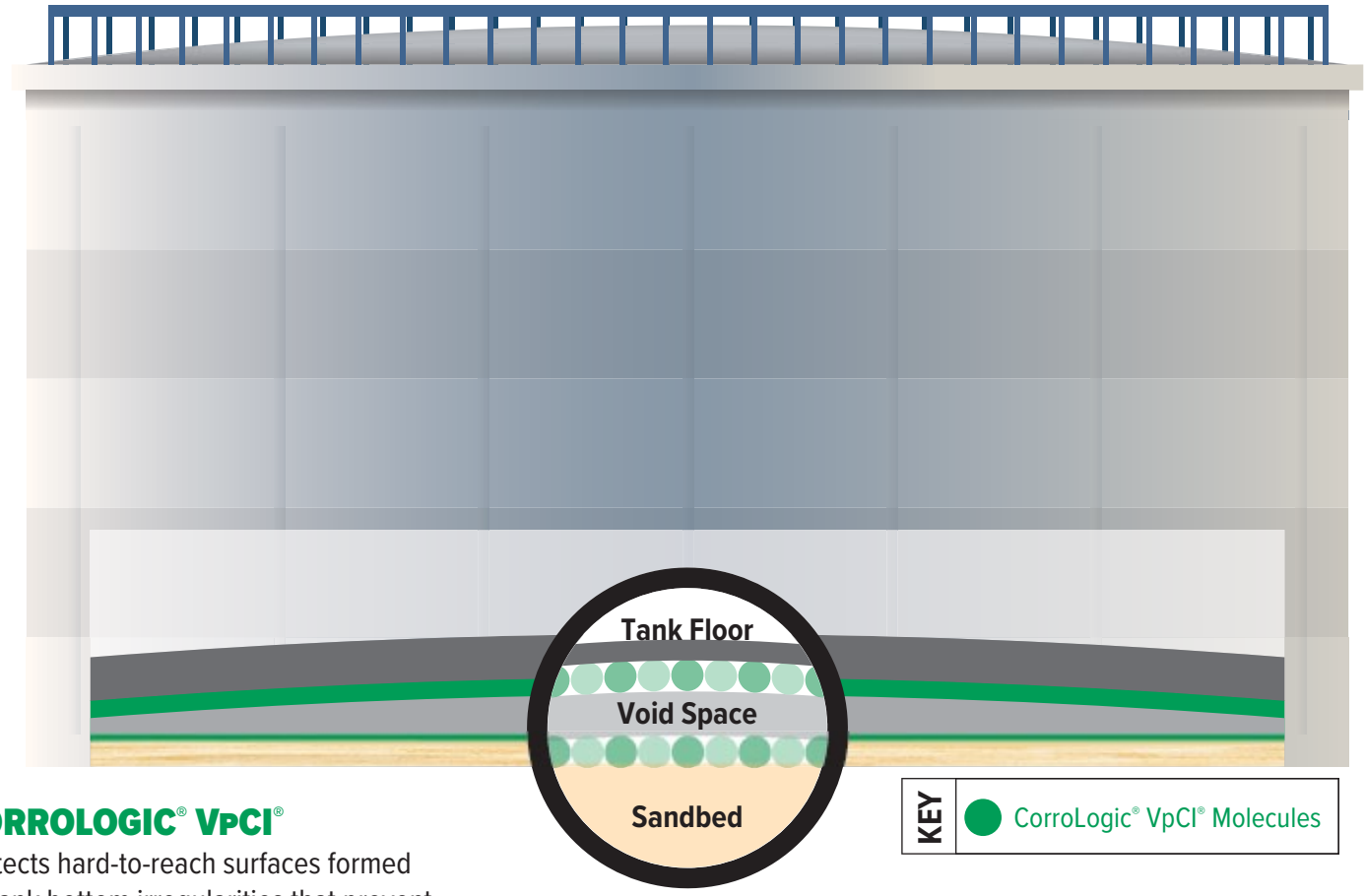
WHAT ARE THE ADVANTAGES OF CORROLOGIC® VPCI® FILLER?

- Vapor phase Corrosion Inhibitors migrate into hard-to-reach areas
- CorroLogic® can be used in synergy with CP or as a backup in case of shorts, power failure
- No costly excavation is needed to apply CorroLogic® to existing crossings

WHEN SHOULD CORROLOGIC® FILLER BE APPLIED?

- Apply CorroLogic® at any stage in a pipeline's service life
- Best Time: Apply CorroLogic® with new cased pipeline crossing systems
- Stopgap: Use CorroLogic® to slow corrosion on aging pipelines

*As of 2021. Source: PHMSA Miles by Decade - Gas Transmission, 2022, https://pstrust.org/about-pipelines/stats/age-of-natural-gas-pipelines



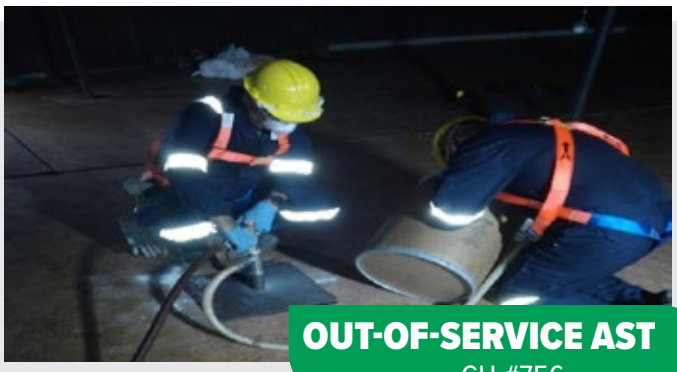
CORROLOGIC® VPCI®

Protects hard-to-reach surfaces formed by tank bottom irregularities that prevent CP current from reaching the metal.

CASE HISTORY HIGHLIGHTS

IN-SERVICE AST
CH #759

A storage tank in Southeast Asia was assessed after concerns that its aging cathodic protection system was no longer effective. A retrofit corrosion control solution was installed without taking the tank out of service, resulting in significantly reduced corrosion rates and the potential to extend inspection intervals and reduce future repairs.



OUT-OF-SERVICE AST
CH #756

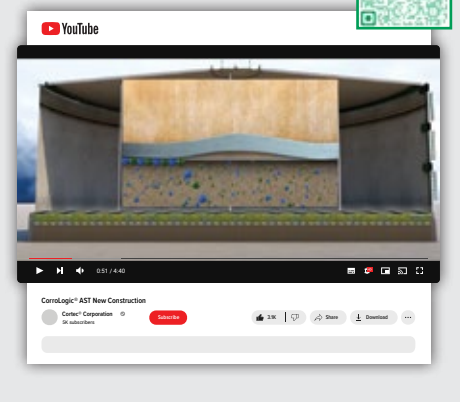
An oil terminal in Southeast Asia identified severe corrosion in an aboveground storage tank, requiring 33 patch repairs to meet a 10-year inspection interval. A corrosion mitigation program with monitoring probes and inhibitor powder saw corrosion rates drop to below 1 mil per year, extending the tank's service life.

CORROLOGIC® ADVANTAGE FOR ABOVEGROUND STORAGE TANKS

NEW ASTs

Start strong—applying CorroLogic® at the beginning of a tank's life ensures optimal protection from day one. It's simple to apply, easy to monitor, and allows for seamless reapplication down the line.

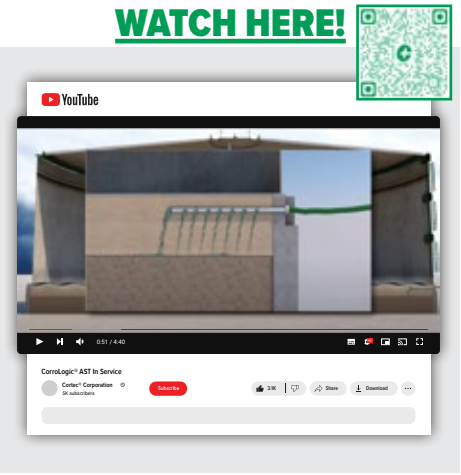
WATCH HERE!



IN-SERVICE ASTs

Protect without disruption. CorroLogic® can be applied while tanks remain in full operation—no draining, no downtime, no costly delays.

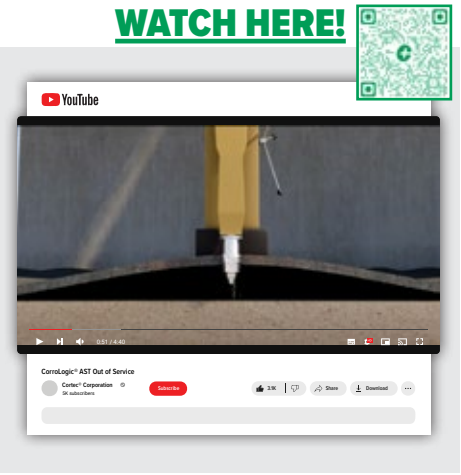
WATCH HERE!



OUT-OF-SERVICE ASTs

During scheduled maintenance or inspections, CorroLogic® can be efficiently applied through the tank floor, providing targeted protection when the tank is empty.

WATCH HERE!



AST FAST FACTS

More than

600,000 ASTs

in U.S. alone

If you lined up 600,000 ASTs side by side, they would stretch from New York to Los Angeles and back again!

Proven synergistic effect when used with CP

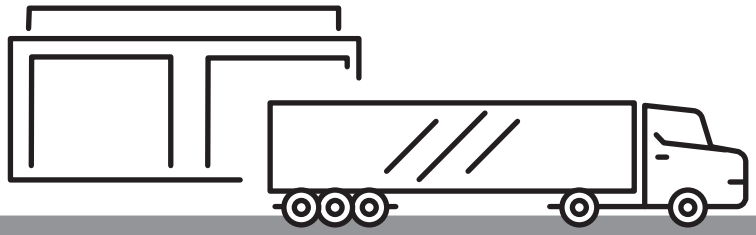
READ ABOUT A REAL-LIFE AST PROTECTION PROJECT!

www.cortecvci.com/whats_new/announcements/Introducing-VCI-for-Tank-Bottom-Protection-in-Malaysia_MP

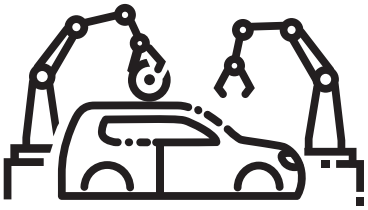
AUTOMOTIVE & HEAVY EQUIPMENT

From the assembly line to final delivery, automotive and heavy equipment parts are exposed to a wide range of corrosion risks. Whether it's flash rust after washing or increased vulnerability during "rust season"—the hottest, most humid months—manufacturers and distributors must stay vigilant.

We offer practical, effective corrosion protection solutions for every stage of the product life cycle. Whether you're shipping engines, storing service parts, or preserving finished equipment, our goal is the same: to help you deliver components in like-new condition—clean, protected, and ready for the next step.



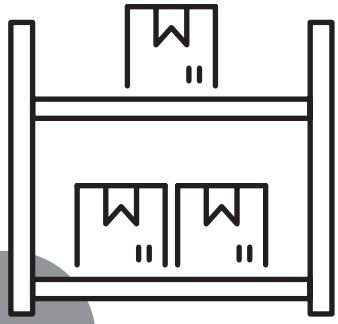
Electronic, electrical, and mechanical components from around the world undergo unpredictable shipping conditions on their way to assembly. Cortec® packaging materials and rust preventatives enable corrosion-free delivery regardless of temperature or humidity swings and allow for easy inspection.



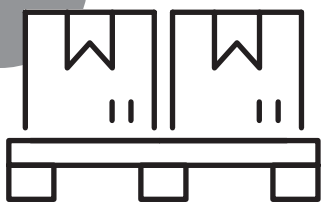
An hour of auto plant downtime can cost as much as $2.3 million (>$600/second*). Cortec® corrosion solutions save time and money by keeping parts from rusting, streamlining manufacturing processes, and promoting a cleaner, safer work environment.

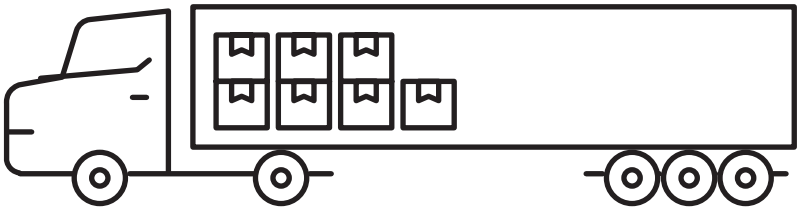
* The True Cost of Downtime 2024, https://assets.new.siemens.com/siemens/assets/api/uuid:1b43afb5-2d07-47f7-9eb7-893fe7d0bc59/TCOD-2024_original.pdf

Manufacturers often make a larger quantity of parts than standard production requires in order to have extra on hand (a bank) during holidays, unexpected shutdowns, supplier transitions, or retooling. Cortec® VpCI® ensures they stay corrosion-free until needed.

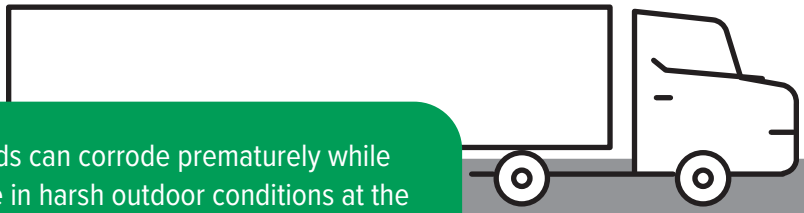


When a vehicle, engine, or part is phased out, the automaker must make enough service parts for the next 15 years (or more) to avoid costly small volume runs in future. Cortec® helps automakers design preservation solutions that match the projected timeframe and storage conditions.

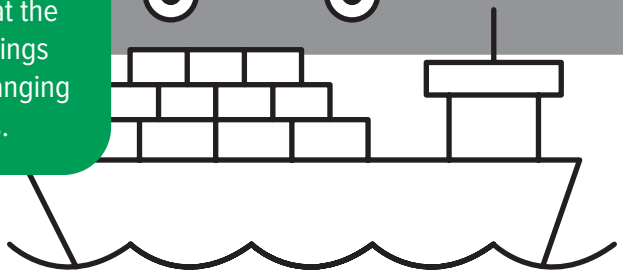




Partially or fully assembled automotive components and heavy equipment pass through a variety of uncontrolled, fluctuating environments as they are shipped domestically and internationally. A wide variety of solutions from packaging to removable coatings help see goods safely through the trip.



Finished goods can corrode prematurely while awaiting resale in harsh outdoor conditions at the distribution site. Clear or tinted Cortec® coatings help protect against these threats without changing overall appearance or mission-readiness.



POWER GENERATION

Power plants demand continuous reliability—but corrosion can compromise both efficiency and safety. From incoming assets exposed to harsh weather for months (or even years) before use, to critical spare valves that must be ready at a moment's notice, corrosion can result in hundreds of thousands of dollars in asset loss plus skyrocketing downtime costs. Boiler layups gone wrong during maintenance can delay startup schedules and trigger public relations challenges.

Our innovative asset preservation systems help utilities and operators protect vital components during construction, operation, layup, or mothballing—ensuring mission-readiness when it matters most. Discover cost-effective, safer, and more reliable alternatives to nitrogen blanketing, along with long-term solutions that preserve the option to recommission or resell mothballed assets in the future.

CASE HISTORY HIGHLIGHTS

POWER STATION LAYUP
CH #750

Two heat recovery steam generators at a UK power station were taken offline and required short-term corrosion protection during a cold-weather shutdown. A vapor-phase corrosion protection method was applied in conjunction with dehumidification to preserve internal tube banks and headers. The approach successfully minimized corrosion in the past and was an excellent alternative to costly nitrogen blanketing.

BOILER PRESERVATION
CH #500

A power plant in Alaska shut down a steam turbine, boiler system, and associated piping for long-term layup of up to three years. A vapor-phase corrosion protection method was applied by fogging an inhibitor through internal void spaces, sealing equipment, and labeling protected areas. The preservation was completed successfully, providing confidence in corrosion protection and a smooth future restart.

DIRECT & INDIRECT COSTS OF CORROSION AT A POWER PLANT

LOSS OF ASSET VALUE:

Depreciation of hundreds of thousands of dollars from corrosion on improperly preserved new equipment, spares, or mothballed assets

LOSS OF PRODUCTION:

Downtime from corroded turbines, valves, or other critical or operational equipment

*One hour of unplanned downtime could cost the energy industry $2.48 million**

*www.pingdom.com/outages/average-cost-of-downtime-per-industry/#:~:text=The%20average%20cost%20of%20downtime,Some%20examples%20include:
*https://llumin.com/maintenance-and-repair-services/

LOSS OF PUBLIC RELATIONS:

Customer complaints from unreliable power supply, rust spewing out of chimneys at startup, etc.

VpCI® ADVANTAGE FOR POWER GENERATION EQUIPMENT

- Small fraction of the cost of nitrogen blanketing
- No pressurization or dehumidification needed
- No source of power needed
- Much safer, easier than nitrogen purge
- Little to no monitoring needed

Cortec® Corporation is a global leader in innovative, environmentally responsible corrosion control technologies, specializing in VpCI® (Vapor phase Corrosion Inhibitors) and MCI® (Migrating Corrosion Inhibitors) systems. Since our founding in 1977, Cortec® has demonstrated a commitment to innovation, developing over 500 products and securing more than 60 patents in corrosion prevention.

With over 45 years of experience, we have helped industries worldwide implement effective, economical asset preservation strategies, protecting equipment, structures, and materials from corrosion throughout their lifecycle. Our VpCI® and MCI® preservation systems have been successfully applied across a diverse range of industries—from automotive manufacturing and aerospace to oil and gas, military, construction, and beyond—demonstrating the versatility and reliability of our technologies.

Cortec's expertise spans every stage of manufacturing, construction, and storage. By implementing a proactive, strategic preservation process, owners and operators can ensure that all equipment, machinery, and components remain ready-to-use whenever needed, reducing downtime, extending asset life, and lowering maintenance costs. Our integrated preservation approach not only protects assets in challenging environments but also contributes to operational efficiency and sustainability, making Cortec® a trusted partner for businesses committed to long-term performance.

See Corrosion Protection in Action – Subscribe to Cortec® on YouTube!

QUALITY EXCELLENCE®

CORTEC CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

Distributed by:

Quality Management System (ISO 9001 Certified)

- **World Class Product Offerings**: An innovative producer of leading edge products.
- **World Class Customer Service**: A positive, long-lasting impression through every link of our company.
- **World Class Environmental Commitment**: Cortec® commits to continued development of processes and products that are useful, non-hazardous to the environment, and recyclable whenever possible.
- **An Ethical and Respectful Company Culture**: Respect and treat our colleagues, customers, and vendors as we would our own family members.

Environmental Management System (ISO 14001 Certified)

Cortec's strong environmental concern is demonstrated in the design and manufacturing of products that protect materials of all kinds from environmental degradation. A strong commitment to produce recyclable products made from sustainable resources has been and will be our future policy.

ISO 9001 CERTIFIED · ISO 14001 CERTIFIED · Cortec Laboratories, Inc. ISO/IEC 17025:2017 ACCREDITED

4119 White Bear Parkway, St. Paul, MN 55110 USA
1 (651) 429-1100 • 1 (800) 4-CORTEC
productinfo@cortecvci.com
www.CortecVCI.com

Revised: 04/17/2026
Supersedes: N/A

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed. Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement product shall be paid by customer. Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THERE WITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec® Corporation. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC® CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.