

# Environmentally Sustainable Corrosion Solutions

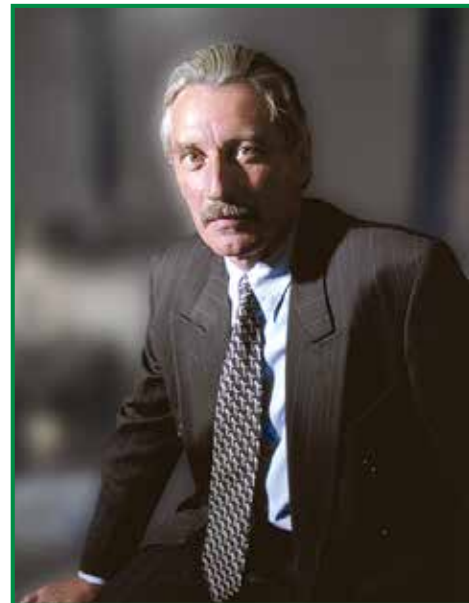


**CORTEC**  
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

# WORD FROM THE CEO/FOUNDER

Board of Directors of Cortec® Corporation, Boris Miksic, FNACE and Ines Miksic.



“Remember, the sky’s not the limit... the universe is!”

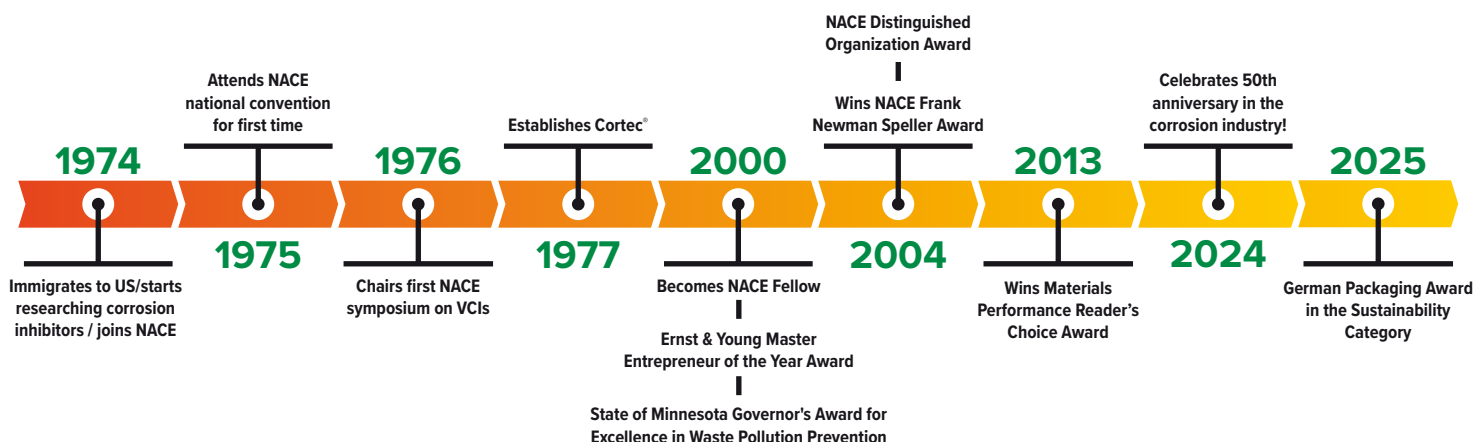
In today’s world there are many complex problems. But when it comes to solving them, one simple fact shines through: you must first acknowledge that there is a problem.

The fact is, corrosion is an incredibly destructive force facing everyone who works with metal. Corrosion never sleeps. There is a constant ongoing battle to pull metal into its natural state—rust. In our world, you can be sure of three things: death, taxes . . . and corrosion!

According to the NACE International IMPACT study, corrosion costs an estimated \$2.5 trillion USD globally. By taking steps to prevent corrosion, individual firms can go a long way toward avoiding unnecessary losses and extend the useful life of their equipment and structures.

As long as we have oxygen, water, chlorides, and metal, corrosion prevention will be a never-ending battle, but a rewarding one that provides peace of mind and preserves untold value for countless industries. Cortec® gives you the arsenal of products and technical know-how you need to fight that battle in an environmentally responsible manner.

Welcome to the Cortec® family, a global network of dedicated corrosion fighters who are passionate about what they do. With you on our team, we look forward to reaching new heights of rust prevention and sustainability in the years ahead.



# OUR MISSION, VISION, AND VALUES

Headquartered in St. Paul, Minnesota, Cortec® Corporation is a global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies. Established in 1977, our innovation is evident in the development of over 500 products and the acquisition of more than 60 patents.

Our specialized facilities allow us to be vertically integrated across many product categories and ensure our ability to meet our rigorous quality standards. Cortec® is ISO 9001:2015 and ISO 14001:2015 certified. Our laboratory is the first ISO/IEC-17025 Laboratory Testing accredited facility in the industry, an accreditation that also enables us to provide valuable testing services to our customers.

In addition to maintaining our quality certifications, Cortec® continues to follow through on our environmental commitment not only by taking precautions against pollution, but also by continuing to add to our portfolio of biobased products that incorporate renewable resources.



## MISSION STATEMENT:

At Cortec®, we are dedicated to delivering cutting-edge corrosion mitigation products and services across the globe, all while upholding the highest standards of quality and environmental responsibility.

## VISION:

Boris started Cortec® believing there were better methods to protect against the devastating effects of corrosion. The technologies we create embody his vision – they are “invisible” to the naked eye, but their effectiveness is visible in the solutions they provide.

## OUR COMPANY IS FOUNDED UPON THESE VALUES:

**World Class Product Offerings:** *An innovator and designer of leading-edge products.*

**World Class Customer Service:** *A positive, long-lasting impression through every link of our company.*

**Ethical and Respectful Company Culture:** *Respect & treat our colleagues, customers, and vendors as we would our own family members.*

**Culture of Continuous Improvement and Open Communication:** *Teach each other. Make it better. Improve at your job.*

**Achieve Profitable Sales Growth:** *Nothing will grow without your cooperation.*

**Have Fun!:** *"I love to see people that do a great job and have fun doing it! These are the real company Heroes." - Boris Miksic*

## RECOGNITIONS OF EXCELLENCE



Deubener Award  
for Innovation &  
Entrepreneurship  
from St. Paul Area  
Chamber  
of Commerce



"Inherit  
the Earth"  
Award from  
Connecticut  
College



State of  
Minnesota  
Governor's  
International  
Trade Award



NACE  
Distinguished  
Organization  
Award



Four-time  
winner of the  
Minnesota  
Safety Council  
Award



Cortec® Coated  
Products and  
Cortec® Spray  
Technologies  
participants  
in Wisconsin  
Green Tier



Cortec® named  
BioPreferred®  
Program  
Pioneer for  
USDA Certified  
Biobased  
Products

# OUR GLOBAL NETWORK



## **NORTH AMERICA CORPORATE EXECUTIVE TEAM**

Boris Miksic, CEO/President

Cliff Cracauer, EVP of Sales and Marketing

Caleb Pheneger, COO

Angie McGillivray, VP of Finance and Controller

Jessi Meyer, VP of Technical Sales,  
Product Management and Marketing

## **EUROPE CORPORATE EXECUTIVE TEAM**

Boris Miksic, CEO/President

Ivana Radic Borsic, VP Sales, Europe

Dijana Zrinski, EVP/Managing Director, EcoCortec®

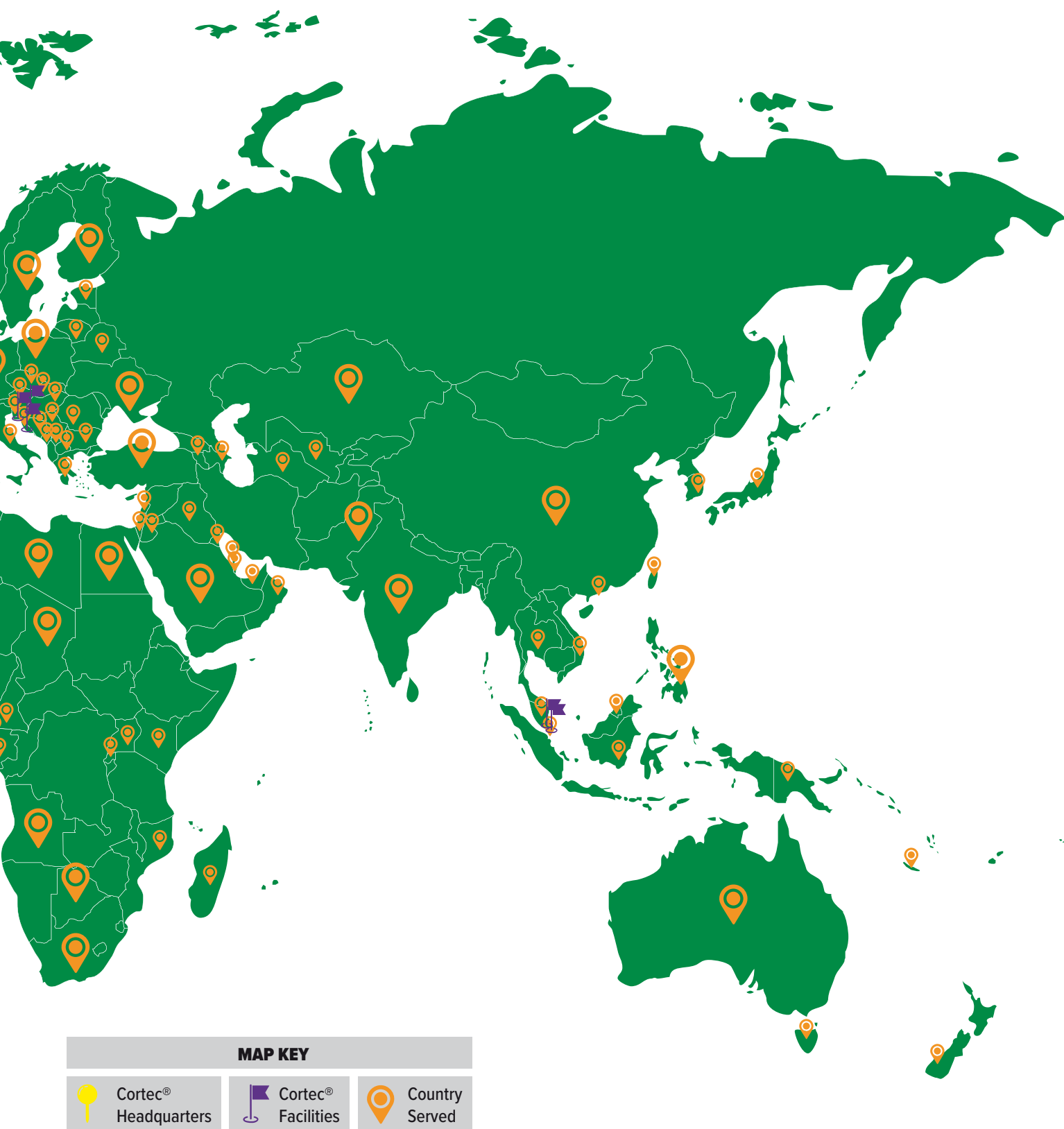
Kornelija Zvecevac, COO, EcoCortec®

Visit our websites for  
local contact details.





With 12 facilities on three continents and a global network of distributors and representatives, Cortec® can service projects in 116 countries across the globe!



| MAP KEY                                                                             |                         |                                                                                     |                       |                                                                                     |                   |
|-------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------|-------------------|
|  | Cortec®<br>Headquarters |  | Cortec®<br>Facilities |  | Country<br>Served |



# HOW CORTEC® TECHNOLOGY WORKS

Volatile corrosion inhibitors (VCI) are chemical substances that can decrease corrosion rates of materials, typically metals or alloys. These substances can move in a vapor phase and prevent/reduce corrosion by condensing on metal surfaces to form a protective, molecular layer. VCIs can also be referred to as Vapor phase Corrosion Inhibitors (VpCI®), which covers a wide range of corrosion inhibiting technologies.

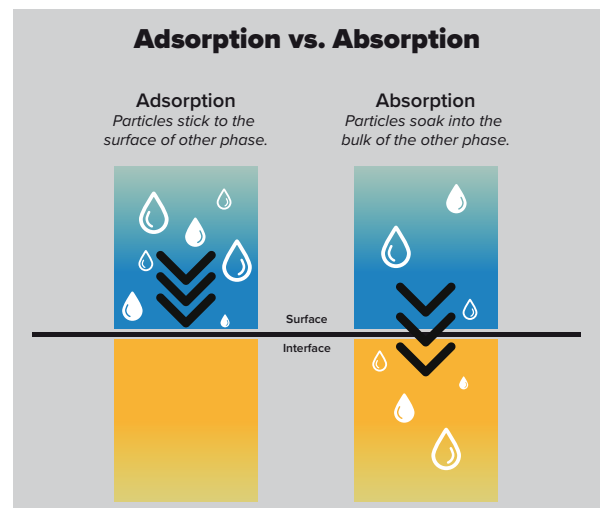
At Cortec®, our core technologies are organic, amine-based compounds, from which we produce a wide range of formulation blends adapted to the environment where they will be used and the materials they need to protect within that environment. For example, different blends and types of corrosion inhibitor are needed to protect ferrous metals (cast iron/steel) than to protect non-ferrous metals such as copper.

VpCI® can be incorporated into many different carriers, including oils, solvents, and water-based formulations, as well as papers, plastics, coatings, and cementitious constituents. They are classified as mixed inhibitors, meaning they affect both anodic and cathodic portions of a corrosion cell. Their protective layer inhibits corrosive elements from further reacting with metal surfaces, thereby preventing the initiation of corrosion, or reducing existing corrosion rates. Due to their small size, they can reach areas often inaccessible by other materials.

When trapped inside an enclosure, VpCI® molecules fill the space with a corrosion inhibiting vapor until they reach equilibrium. Once equilibrium is achieved, inhibitor molecules are attracted to surrounding metal surfaces, where they are deposited and “adsorb” as a protective molecular layer. The layer has hydrophobic properties and protects the metal from interaction with corrosive elements such as oxygen and moisture.

Vapor phase Corrosion Inhibitor action is useful for corrosion protection in a variety of industrial applications:

- Packaging
- Boilers
- Tanks
- Piping/pipelines
- Heat exchangers
- Structural steel
- Other enclosed void spaces

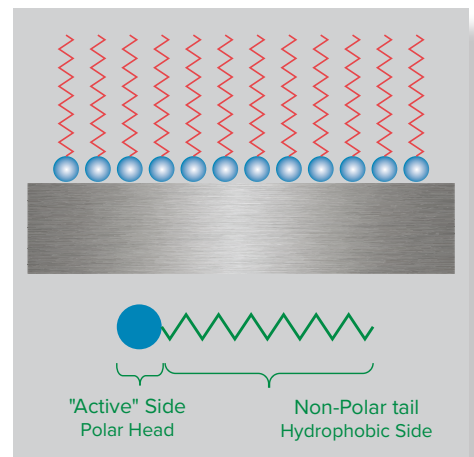




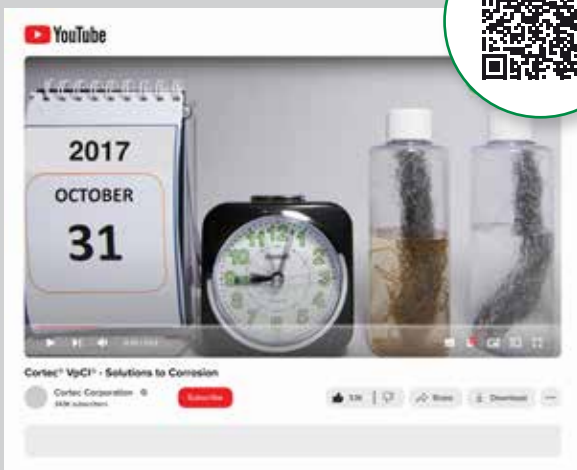
### Molecular adsorption of VpCI's on metal

When trapped inside an enclosure, VpCI® molecules fill the space with a corrosion inhibiting vapor until they reach equilibrium. Once equilibrium is achieved, inhibitor molecules are attracted to surrounding metal surfaces, where they are deposited and “adsorb” as a protective molecular layer. The layer has hydrophobic properties and protects the metal from interaction with corrosive elements such as oxygen and moisture.

When an enclosure is opened, VpCI® will start to leave the surface of the metal moving to areas of lower concentration outside the space. However, if the space is closed again, and a source of VpCI® remains, the layer will be replenished, and protection will continue. Because of this mechanism, metals protected in an enclosure treated with VpCI® do not require special application or removal of a protective coating, because the VpCI® layer naturally applies and removes itself to and from bare metal surfaces depending on the characteristics of the surrounding environment.



Watch a time-lapse to see how VpCI® protect below the water level, above the water level, and at the air water interface.



Watch an example of Vapor phase Corrosion Inhibitor action here.





## Migrating Corrosion Inhibitors™

Migrating Corrosion Inhibitors (MCI®) are chemically similar to VpCI® corrosion inhibitors and specifically formulated for use in construction applications, often within cementitious substrates.

In this case, the cementitious material is considered the “enclosed space” within which the MCI® reaches equilibrium. MCI® can be added into new construction as an admixture. For existing structures, MCI® can be topically applied or injected to reach more deeply embedded metals.

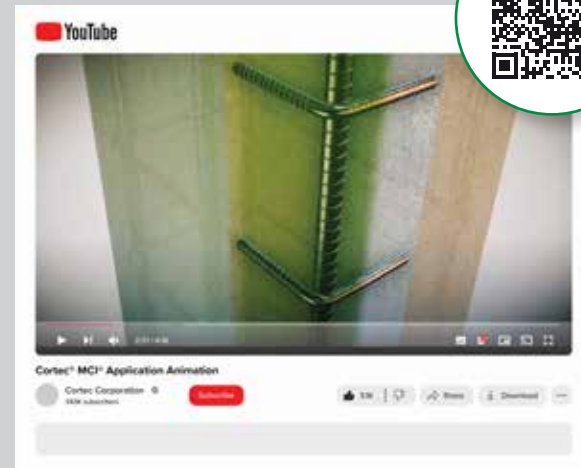
### How MCI® Works:

1. **New Construction:** MCI® is mixed directly into the batch water or added to the mixer, ensuring even dispersion throughout the concrete during the mixing process.
2. **Topical Applications:** MCI® is applied as a liquid to properly prepared surfaces. This requires removing any existing coatings or water repellents to ensure effective penetration.
3. **Injection:** For targeted protection, MCI® is injected by drilling to the depth of the embedded reinforcement and filling the void space with the product.

### In a cementitious matrix, MCI® migrates in three ways:

1. **Liquid Absorption:** MCI® initially enters the concrete in liquid form, drawn in through capillary action as the concrete absorbs it like a sponge.
2. **Vapor Phase Migration:** Once inside, MCI® transitions to a vapor phase, migrating through the concrete matrix according to Fick's Law. Molecules move from areas of high concentration to low concentration until equilibrium is achieved.
3. **Metal Protection:** Upon reaching embedded metallic reinforcement, MCI® is attracted to the metal ions, forming a protective molecular barrier that shields it from corrosion.

Learn more about how corrosion occurs in concrete and how MCI® can help here:



### MCI® Migration into Concrete



1. Capillary Action
2. Vapor Phase
3. Ionic Attraction

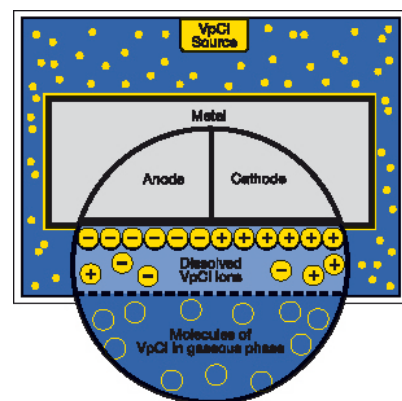




## Cortec® Packaging

Cortec® provides cutting-edge packaging solutions that offer superior corrosion protection for a wide range of industries, including automotive, aerospace, electronics, manufacturing, and more. Their innovative technology in films, papers, and emitters helps protect sensitive components and equipment during storage and transit, ensuring they arrive at their destination in optimal condition. Cortec's VpCI® (Vapor phase Corrosion Inhibitor) technology is embedded in their packaging materials, providing long-lasting, environmentally friendly protection without the need for bulky, traditional rust inhibitors. With tailored solutions for every industry, Cortec® delivers reliable, sustainable packaging that minimizes corrosion risks and maximizes asset longevity.

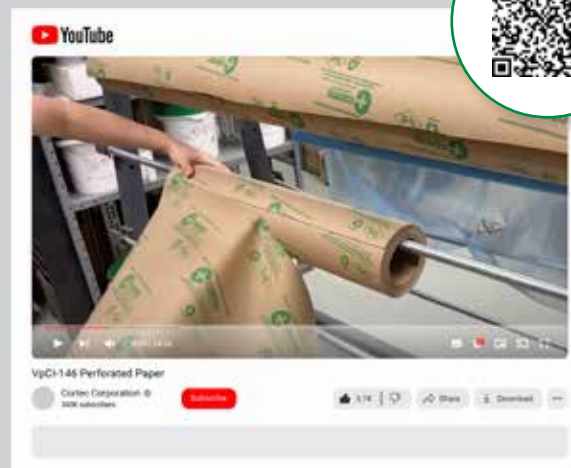
This technology creates a protective environment inside each VpCI® package. Application is easy, typically with little or no surface preparation needed. Special Vapor phase Corrosion Inhibitors embedded in VpCI® packaging travel through the air to form an invisible protective shield on all accessible metal surfaces inside the enclosed package. This VpCI® shield does not alter metal properties. Instead, it blocks the ability of oxygen, moisture, and other corrosive elements to attack the metal surface and make it rust. After the metal part is taken out of the package, the VpCI® molecules float away, and the metal components, machinery, or products are ready for immediate use, no cleaning or degreasing required.



Learn more about how Cortec® Emitters can help here:



Discover Cortec® VpCI Paper in Action – Watch Now:





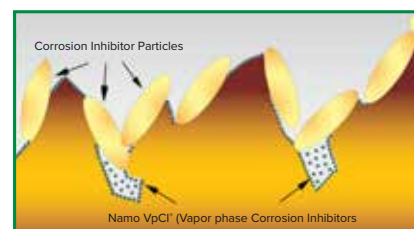
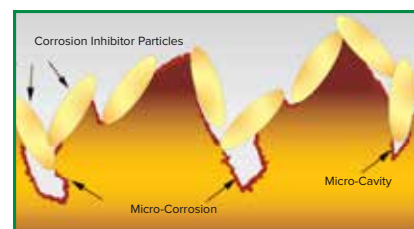
## Cortec® Coatings

Cortec® VpCI® coatings use advanced corrosion inhibitors that form a microscopic protective layer on metal surfaces, including hard-to-reach micro-cavities. Unlike traditional coatings with larger particles like zinc or chromates that leave gaps, VpCI® inhibitors bond closely to metal for complete corrosion protection.

Cortec® VpCI® inhibitors are attracted to metal and form a protective layer in microcavities. Traditional coating (top) vs. VpCI® coating (middle).

One coating with VpCI® (left panel, third image on right) and without (right panel, third image on right) showing corrosion creep at scribes on untreated sample after same time in salt spray with VpCI® coating applied at 25% lower DFT.

Cortec® VpCI® coatings are available for corrosion protection in a variety of industrial applications, including tank farms, offshore structures, industrial MRO (maintenance, repair, and operations), structural steel, manufacturing, transit, temporary storage, and/or construction (e.g., rebar coating images in bottom right corner). Cortec® offers one and two component primers and topcoats for long-term protection and removable coatings for short- or intermediate-term protection.



Watch a video of VpCI®-372 peelable coating:



Cortec® offers innovative removable coatings that look and perform like paint but can be easily removed when needed. These coatings are ideal for transit and temporary storage, especially for complex-shaped items.

MCI® CorrVerter® + CorShield®  
Before



MCI® CorrVerter® + CorShield®  
Two+ Years After





# INDUSTRIES WE SERVE

If your industry involves metal, Cortec® is here to help provide solutions to corrosion.



## Manufacturing

Cortec's integrated solutions help manufacturers fight corrosion at every stage—in-process, in storage, and during shipping. By using the right VpCI® Papers, Films, Emitters, and rust preventatives for the job, manufacturers can speed up their WIP cycle, improve hydrotesting, eliminate rust claims, and promote customer satisfaction. Many Cortec® Rust Preventatives are easy to remove or do not require additional cleaning, unlike greasy Rust Preventatives of the past. For those concerned about the environment, we offer many recycled, recyclable, biobased, and even compostable options! We also offer VpCI® Additives for manufacturers who want to add corrosion protection directly to their own product formulations.

### Typical industries and equipment:

- Automotive (including EV solutions)
- Electronics
- Heavy equipment
- Steel coil processing
- Bearings
- Valves
- Much more



**LONG-TERM STORAGE OF AUTO SERVICE PARTS**  
Case History #731



**PROTECTING NEWLY FABRICATED EQUIPMENT**  
Case History #698



**CORROSION PROTECTION OF STEEL COILS**  
Case History #658



**ADDING CORROSION PROTECTION  
TO ESD BAGS FOR ELECTRONICS**  
Case History #812



## Asset Preservation

Preservation goes hand in hand with corrosion control. Cortec® excels at providing superior corrosion protection for operational and capital spares, production equipment, infrastructure, key assets, pipelines, vessels, storage tanks, modules, and skids. This is especially critical for industries such as MRO (Maintenance, Repair, and Overhaul), Oil & Gas, and Power Generation, where equipment is subjected to harsh environments and must remain in optimal working condition.

Cortec® products are essential in the Oil & Gas sector, protecting everything from exploration and drilling equipment to pipelines and storage tanks, ensuring they remain free from the damaging effects of corrosion. In Power Generation, whether for turbines, transformers, or critical electrical systems, Cortec® helps extend the life of equipment and reduces downtime due to corrosion-related failures.

Useful during transport, construction, seasonal layup, or mothballing, Cortec® products ensure cost-effective preservation and operational readiness of idle assets. With proper planning and preservation, companies can easily avoid thousands or millions of dollars in asset and production losses resulting from corrosion. Cortec® is a trusted solution across industries, helping maintain the integrity and performance of vital equipment in some of the most demanding sectors.



**PRESERVATION OF OFFSHORE RIG TO  
WITHSTAND HURRICANE HARVEY**  
Case History #662



**LONG-TERM PRESERVATION OF FLEXIBLE RISERS**  
Case History #683



**PIPE PRESERVATION ALTERNATIVE  
TO NITROGEN BLANKETING**  
Case History #684



**PRESERVATION OF LUBE OIL SKIDS**  
Case History #772





## Construction

The construction industry is a key contributor to carbon emissions due to the energy-intensive manufacturing processes for cement and steel. Increasing structures' service lives with MCI® to mitigate corrosion on reinforcing metal reduces the need for repairs or rebuilding, thus promoting more sustainable construction practices by reducing the need for additional cement. Furthermore, MCI® includes biobased options and products certified to meet ANSI/NSF Standard 61 for use in drinking water components to lessen the environmental impact. Cortec® offers MCI® for every phase of a structure's life cycle:

### Typical industries:

- New construction
- Concrete maintenance
- Concrete repair

Learn more at: [CortecMCI.com/products](https://CortecMCI.com/products)



**BURJ KHALIFA PODIUM STRUCTURE**  
Case History #310



**RESTORATION OF PENTAGON LIGHTWELL WALLS**  
Case History #46



**PELJESAC BRIDGE PROTECTION**  
Case History #746



**MEDIEVAL CITY WALL RENOVATION**  
Case History #822



## Facility Management

Preventative maintenance is an important part of facility maintenance. Corrosion is a constant threat to the integrity and reliability of every industrial asset such as boilers, closed loops, and evaporative cooling water systems. A well designed preservation plan for these assets during layup is critical to ensuring long service life and smooth operations when bringing the equipment back online. Electronics and electricals need to be kept in good working order. Structural steel, insulated piping, and aboveground storage tanks must also be maintained. Cortec's highly effective corrosion solutions help keep your assets in good condition while minimizing downtime and labor costs.

Furthermore, Cortec's subsidiary Bionetix® supplies biological products for wastewater treatment to help industries meet their allowable discharge amounts and avoid extra fees for releasing high levels of contaminated wastewater. Bionetix® also offers a wide range of probiotic cleaners to enhance facility cleaning processes by the use of beneficial microorganisms that digest wastes.



**BOILER LAYUP DURING POWER  
PLANT MAINTENANCE OUTAGE**  
Case History #649



**PROTECTING ELECTRONICS PANELS  
IN WASTEWATER PUMPHOUSES**  
Case History #669



**PROTECTING ELECTRICALS/INSTRUMENTATION  
AT GEOTHERMAL POWER PLANT**  
Case History #712



**CLEANING UP OIL SPILLS ON CONCRETE PARKING PAD**  
Case History #697





## Biotechnology

Cortec® offers a comprehensive range of biotechnology products designed to address various needs across industries such as waste treatment, clean solutions, agriculture, and specialty sectors. Through its Bionetix® International division ([www.bionetix-international.com](http://www.bionetix-international.com)), Cortec® provides effective biotechnological solutions for waste treatment, including environmentally friendly additives and concentrates that enhance microbial processes. Additionally, Cortec® delivers clean solutions, agricultural biostimulants, and additives for animal feed to improve performance and sustainability. These innovative products cater to the growing demand for eco-friendly, biologically-based solutions in industries ranging from agriculture to specialty applications.



**PRODUCTS HELP INCREASE BIOGAS PRODUCTION FROM 40% TO 60%**  
Bionetix® Case History #29



**SOLVING GREASE TRAP PROBLEMS AT CHEESE FACTORY**  
Bionetix® Case History #49



**TRANSFORMING MANURE PITS INTO NUTRIENT RICH PONDS**  
Bionetix® Case History #43



**SUCCESSFUL TRANSPLANT OF ADULT OLIVE TREES**  
Bionetix® Case History #45





## Cortec® World Headquarters St. Paul, MN (USA)

CHQ

CHQ houses our main sales, marketing, customer service, and accounting offices and is a critical hub of R&D and production. At CHQ, we make a variety of our flagship corrosion inhibiting liquid and powder products, including Cortec® Coatings, VpCI® Emitters, Boiler Lizards, MCI® Admixtures, and foundational chemistries used at some other Cortec® plants. In addition to QC and R&D, customer testing takes place on site at Cortec® Laboratories. VpCI®/MCI® distributors are also welcome to visit CHQ for Cortec® University training, which is held several times each year.

- 134,000 ft<sup>2</sup> (12.449 m<sup>2</sup>) facility
- Blending tanks for liquid batches from 5-7,000 gallons (19-26,498 L)
- Ribbon blenders for powder batches from 10-4,000 pounds (5-1,814 kg)
- Reactor vessels
- Dispersers for difficult chemicals
- VpCI® Foam infusing line and converters
- R&D and QC laboratories
- Technical service

Plant Manager: Adam Ramsey



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Phone: 651-429-1100  
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Toll-Free: 1-800-4-CORTEC



## Cortec® Laboratories

Cortec® Laboratories is at the heart of our mission to provide world-class, innovative corrosion solutions that meet the evolving needs of industries worldwide. As the global leader in environmentally responsible VpCI® and MCI® technologies, we are committed to delivering cost-effective, user-friendly solutions that address corrosion challenges across a broad spectrum of industries—from packaging and metalworking to construction, electronics, and oil and gas.

Our ISO/IEC 17025 accredited laboratory serves as a hub for groundbreaking research and development, where the latest advancements in corrosion control are realized. Here, we offer a full range of advanced testing services designed to help our customers identify and implement the most effective corrosion protection strategies. Whether it's through tailored testing protocols or customized solutions, our lab is a critical partner in helping clients find the right fit for their unique needs.

Innovation is at the core of everything we do. With over 400 products developed and more than 60 patents secured over the past four decades, Cortec® Laboratories is a driving force behind cutting-edge solutions that set new industry standards. Our relentless pursuit of excellence ensures that we stay ahead of emerging trends and continue to improve the performance and sustainability of our products.

Cortec® is also deeply committed to sustainability. Our laboratory is a key player in the development of environmentally friendly corrosion solutions, including a growing portfolio of USDA Certified Biobased Products. These products not only provide the same high-performance protection our customers rely on but also support our mission to help industries transition to more sustainable practices. By offering solutions that are both effective and eco-conscious, Cortec® Laboratories is shaping the future of corrosion control for generations to come.

### Laboratory Services:

- Adhesion
- Color Matching
- Corrosion Inhibiting Admixtures for Steel in Concrete by Polarization Resistance in Cementitious Slurries
- Electrochemical Impedance Measurements
- Electrochemical Polarization Measurements
- Flash Point
- Fourier Transform Infrared (FTIR)
- Humidity
- Immersion Corrosion Testing
- Rust Preventing Characteristics of Inhibited Mineral Oil in the Presence of Water
- Salt Spray
- Ultra Violet (UV) Visible Spectrometry
- Vapor Inhibiting Ability (VIA)
- Vapor-phase Rust Preventing Characteristics of Hydraulic Fluids
- Viscosity







## Cortec® Coated Products Eau Claire, WI (USA)

CCP

CCP is a wide-web, custom coater of flexible substrates. Our primary product is VpCl®-coated paper used to package and protect metals from corrosion. Other specialties include recyclable moisture barrier papers and heat sealable papers. We also offer custom coating and converting services to outside companies with specialty paper needs.

- 56,000 ft<sup>2</sup> (5203 m<sup>2</sup>) facility
- Custom coating on rolls up to 100" (2.54 m) wide
- Steam-foil decurling
- Slitting/rewinding
- Converting
- Printing
- QC laboratory
- Wisconsin Green Tier participant

Plant Manager: Guy Van Riper



3431 Hogarth Street  
Eau Claire, WI 54703 U.S.A.  
[CortecCoatedProducts.com](http://CortecCoatedProducts.com)  
[Productinfo@cortecvci.com](mailto:Productinfo@cortecvci.com)

Phone: 715-858-0690  
Fax: 715-858-0360  
Toll Free: 1-800-4-CORTEC





## Cortec® Advanced Films Cambridge, MN (USA)

CAF

At CAF, we are proud to be the global leader in premium quality VpCI® Film extrusion! Not only do we manufacture anticorrosion films and bags in a wide range of sizes; we also produce specialty products such as static dissipative and stretch films. A recycling center allows to accept used VpCI® Film and Bags from approved recycling partners and produce any PE film with up to 30% recycled content. Our non-VpCI® films include EcoSol® water-soluble film and a recently expanded line of TÜV certified industrially compostable films. We can also help customers with custom extrusion and converting needs.

- 68,000 ft<sup>2</sup> (6,317 m<sup>2</sup>) facility
- Many monolayer blown film lines from 3" to 360" (76-9144 mm)
- Multiple co-extruded 3-layer blown film lines from 38" to 75" (965-1905 mm)
- Multiple masterbatch compounding lines
- One tube-strip processing line
- Inline and converting bag machines (including bag-on-roll, side-weld, and zipper closure)
- One and two-color registered printing capabilities
- Plastic film recycling equipment
- QC laboratory

Plant Manager: Josh Face



410 First Avenue E  
Cambridge, MN 55008 U.S.A.  
CortecAdvancedFilms.com  
Productinfo@cortecvci.com

Phone: 763-689-4100  
Fax: 763-689-5833  
Toll-Free: 1-800-4-CORTEC



## Cortec® Biotechnology Campus Sarasota, FL (USA)

CBC

CBC is our Cortec® base in sunny Florida, where freezable water-based products can be easily shipped out year-round. CBC performs liquid blending for a variety of MCI® and VpCI® products such as MCI®-2005 and BioCorr® and also offers plenty of backup warehouse space.

- 36,000 ft<sup>2</sup> (3,600 m<sup>2</sup>) facility
- Blending tanks for batches from 30-4,000 gallons
- QC laboratories

Production Supervisor: Alex Miller



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[CortecBiotechnology.com](http://CortecBiotechnology.com)

[Productinfo@cortecvci.com](mailto:Productinfo@cortecvci.com)  
Phone: 941-753-9646





## Cortec® Spray Technologies Spooner, WI (USA)

# CST

CST is our aerosol fill plant. In addition to packaging spray-can favorites such as CorShield® VpCI®-368 and our EcoAir® line, we offer contract fill and private labeling services. Our customers include well-known names in the industrial maintenance sector. In addition to hundreds of in-house formulas for rust preventatives, cleaners, lubricants, and more, we are ready to help customers adapt their own formulas to aerosol format or create completely new products!

- 25,000 ft<sup>2</sup> (2323 m<sup>2</sup>) facility
- Aerosols up to 24 oz (680 g)
- CO<sub>2</sub>, A-70, R1234ze propellants
- Bag-on-valve (powered by compressed air)
- Grease fill line
- Custom formulating
- QC laboratory
- Private labeling
- Accelerated corrosion testing
- Small run flexibility
- Trigger spray and squeeze bottle fill
- Wisconsin Green Tier participant

Plant Manager: Guy Van Riper



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Spooner, WI 54801 U.S.A.  
CortecSprayTechnologies.com  
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Fax: 715-635-2200  
Toll Free: 1-800-4-CORTEC





## Bionetix® International St. Anne-de-Bellevue, Quebec (Canada)

Our Canadian biotechnology subsidiary takes Cortec's environmental commitment to the next level, using beneficial microorganisms to clean and improve our environments. At Bionetix®, we make products that speed up wastewater treatment, decontaminate soil, clean surfaces, improve portable sanitation systems, and enhance agriculture. In addition to ready-to-use products, Bionetix® offers many manufacturers' additives and concentrates for large-scale accounts/formulators and is ready to come alongside private label customers to help design custom formulations.

- 12,910 ft<sup>2</sup> (1199 m<sup>2</sup>) facility
- Five powder blenders
- Seven liquid blenders
- Bottle fill line
- Tablet machine
- Puck extruder
- R&D and QC laboratory

Production Manager: Walter Luis



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Fax: 514-457-3589



## EcoCortec® d.o.o. Global Sales & Marketing Offices Zagreb, Croatia

In 2023, we moved our Zagreb office to a greener space above the city center. With sales, marketing services, and product development in one place, this new space allows us to have better collaboration between departments. It also includes a private space where we are able to offer limited onsite lodging to colleagues and partners who visit us in Zagreb and wish to stay close to our sales and marketing offices.

- <3229 ft<sup>2</sup> (<300 m<sup>2</sup>) facility
- Spacious offices, meeting room, and onsite parking
- Limited onsite lodging
- Improved collaboration with Croatian colleagues
- Proximity to technical universities for collaboration on research and technical papers



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## EcoCortec® Beli Manastir, Croatia

EcoCortec® is proud to claim the position of first bioplastics and anticorrosion films plant in Croatia. As the European counterpart to CHQ and CAF, we are now able to provide better technical support in the region through our well-equipped laboratory and the expansion of our technical service department. Sustainability and a strong commitment to the circular economy are major focuses at EcoCortec®, where, thanks to our new recycling center, we have started receiving used plastic from local companies and repurposing it into new packaging. We look forward to increasing this use of recycled content and expanding our compostable films output. With the installation of solar panels in 2023, we are on the beginning of a path to zero energy consumption in our production!

- 54,584 ft<sup>2</sup> (5,071 m<sup>2</sup>) facility
- Accelerated corrosion testing
- Three mono blown film lines
- Three three-layer (co-extruded) blown film lines
- Converting
- One-color inline printing
- Polymer processing plant
- Plastic recycling center
- Compounding line
- Technical service for Europe and Middle East
- Tools for 3-D custom-made covers
- R&D and QC laboratory

EVP/Managing Director: Dijana Zrinski



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## CorteCros® Split & Zagreb, Croatia

The CorteCros® warehouse in Split is the main logistics hub for supplying Cortec® products to the EU, Middle East, and Southeast Asia markets. In 2019, CorteCros® also began producing select VpCI®/MCI® products on site to help provide Cortec® products to the EU market in accordance with REACH regulations. In 2022, solar panels were added to the warehouse and production center with the goal of becoming 100% solar-powered. CorteCros® also has administrative offices in Zagreb.

- 11,840 ft<sup>2</sup> (1100 m<sup>2</sup>) seaside storage and production facility
- Six mixers
- Semi-automatic filling machine
- QC laboratory
- Renewable energy from solar panels
- Duty-free port

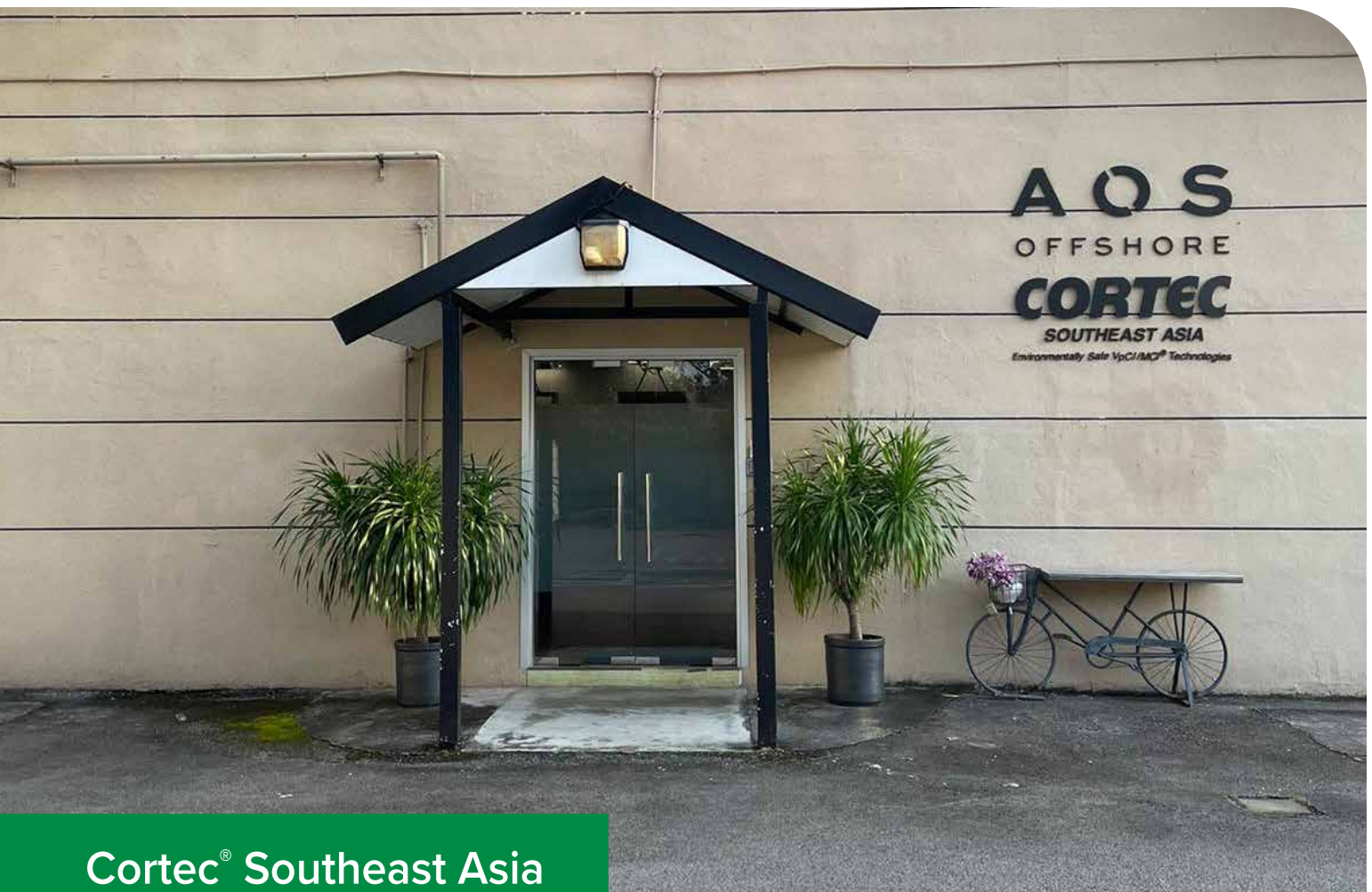
EVP/Managing Director: Ivana Radic Borsic



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## Cortec® Southeast Asia Singapore

CSEA

CSEA was established in January 2019 as a sales and distribution hub for Cortec® products and services in Southeast Asia, primarily serving the markets of Singapore, Malaysia, Thailand, Brunei, and Indonesia. In December 2022, CSEA was directly acquired by Cortec®. With regional staff and a local stock of commonly used Cortec® products, CSEA has strengthened Cortec® distributor networks and partnerships and is able to give prompt customer and technical service in the same time zone—both virtually and in person. This location also opens the door to world class training that will help distributors and end users achieve their goals in a region where corrosion is an all too familiar fact of life.

- 7,664 ft<sup>2</sup> (712 m<sup>2</sup>) of available office and warehouse space
- Better stock forecasting
- Local stock of commonly used Cortec® products
- Prompt customer service in same time zone
- Meeting space
- Assistance in US, Europe, Middle East, China, India, Korea, Japan, Australia (upon request by Cortec® regional management)

Managing Supervisor: Jay Zhang



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## 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.

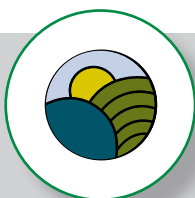
Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

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.

### USDA CERTIFIED BIOBASED PRODUCTS

Cortec® offers a wide range of USDA Certified Biobased Products for use in cleaning and surface prep, construction, bio-fuels, lubrication, metalworking, rust prevention, and water treatment. These are also qualified products under the Mandatory Federal Purchasing Initiative of the USDA BioPreferred® Program. Through ongoing development of new USDA Certified Biobased Products, Cortec® is providing a wide variety of "green" corrosion control options and promoting the use of sustainable resources for any industry that faces metal corrosion.



### CE

CE marking is a certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA). The CE marking is also found on products sold outside the EEA that are manufactured in, or designed to be sold in, the EEA. This makes the CE marking recognizable worldwide even to people who are not familiar with the European Economic Area. It is in that sense similar to the FCC Declaration of Conformity used on certain electronic devices sold in the United States.



### TÜV Austria Certifications

Cortec® offers a variety of films and bags that are certified 'OK Compost Industrial' by TÜV Austria: Note: These products are intended to be composted in a commercial composting facility operated in accordance with best management practices. Check locally to see if such a facility exists in your community and if they will accept these products. Not suitable for backyard composting.



### UL Certified Products for Drinking Water System Components (ANSI/NSF 61)

Cortec® offers a variety of Migrating Corrosion Inhibitors™ (MCI®) products for concrete and a corrosion inhibiting hydrotest additive that can be used with drinking water system components.





**CORTEC**  
CORPORATION

Environmentally Safe VpCI®/MCI® Technology



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