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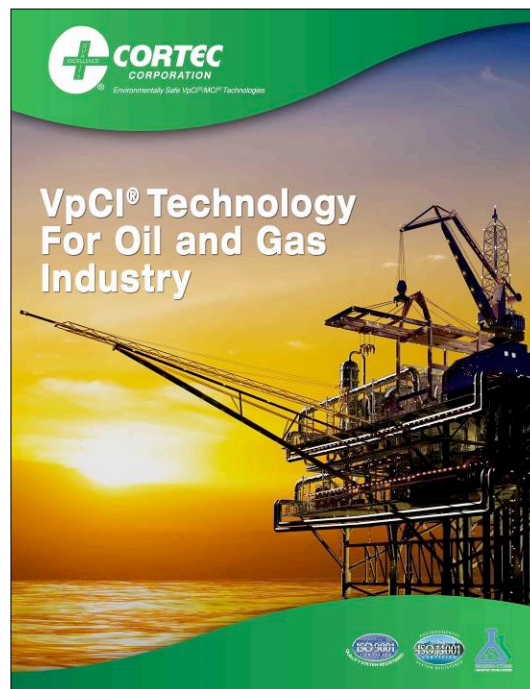
July 01, 2015

PRESS RELEASE



Cortec's New Brochure "VpCI® Technology for Oil and Gas Industry" Now Available!

Cortec® has published the NEW "VpCI® Technology for Oil and Gas Industry". This brochure provides state-of-the-art information on Cortec's patented VpCI® technology and details products and services offered to our customers and clients globally in the oil and gas industry. Cortec's diverse set of services and products can be utilized in upstream, midstream, and downstream businesses. The brochure also explains the value of Cortec® Global Services and Cortec® Field Services in the challenging environments of the oil and gas industry. The buyer's guide included on the final pages expands upon the industry leading product descriptions, applications, and dosage information necessary to choose your corrosion protection solution.



OPERATIONAL CAPITAL ASSETS - BUYER'S GUIDE			
PRODUCT	DESCRIPTION	APPLICATIONS	DOSEAGE
WSP-1100	WSP-1100 is a highly effective disinfectant and sanitizer for use on all hard surfaces. It is a broad spectrum antimicrobial agent that kills bacteria, viruses, and fungi. It is also a powerful deodorizer and stain remover.	WSP-1100 is used for disinfecting and sanitizing all hard surfaces, including floors, walls, and ceilings. It is also used for deodorizing and stain removal.	Use 100 ml per 100 sq ft of surface area. Allow 10 minutes of contact time.
WSP-200	WSP-200 is a powerful disinfectant and sanitizer for use on all hard surfaces. It is a broad spectrum antimicrobial agent that kills bacteria, viruses, and fungi. It is also a powerful deodorizer and stain remover.	WSP-200 is used for disinfecting and sanitizing all hard surfaces, including floors, walls, and ceilings. It is also used for deodorizing and stain removal.	Use 100 ml per 100 sq ft of surface area. Allow 10 minutes of contact time.
WSP-300	WSP-300 is a powerful disinfectant and sanitizer for use on all hard surfaces. It is a broad spectrum antimicrobial agent that kills bacteria, viruses, and fungi. It is also a powerful deodorizer and stain remover.	WSP-300 is used for disinfecting and sanitizing all hard surfaces, including floors, walls, and ceilings. It is also used for deodorizing and stain removal.	Use 100 ml per 100 sq ft of surface area. Allow 10 minutes of contact time.
WSP-400	WSP-400 is a powerful disinfectant and sanitizer for use on all hard surfaces. It is a broad spectrum antimicrobial agent that kills bacteria, viruses, and fungi. It is also a powerful deodorizer and stain remover.	WSP-400 is used for disinfecting and sanitizing all hard surfaces, including floors, walls, and ceilings. It is also used for deodorizing and stain removal.	Use 100 ml per 100 sq ft of surface area. Allow 10 minutes of contact time.
WSP-500	WSP-500 is a powerful disinfectant and sanitizer for use on all hard surfaces. It is a broad spectrum antimicrobial agent that kills bacteria, viruses, and fungi. It is also a powerful deodorizer and stain remover.	WSP-500 is used for disinfecting and sanitizing all hard surfaces, including floors, walls, and ceilings. It is also used for deodorizing and stain removal.	Use 100 ml per 100 sq ft of surface area. Allow 10 minutes of contact time.
WSP-600	WSP-600 is a powerful disinfectant and sanitizer for use on all hard surfaces. It is a broad spectrum antimicrobial agent that kills bacteria, viruses, and fungi. It is also a powerful deodorizer and stain remover.	WSP-600 is used for disinfecting and sanitizing all hard surfaces, including floors, walls, and ceilings. It is also used for deodorizing and stain removal.	Use 100 ml per 100 sq ft of surface area. Allow 10 minutes of contact time.
WSP-700	WSP-700 is a powerful disinfectant and sanitizer for use on all hard surfaces. It is a broad spectrum antimicrobial agent that kills bacteria, viruses, and fungi. It is also a powerful deodorizer and stain remover.	WSP-700 is used for disinfecting and sanitizing all hard surfaces, including floors, walls, and ceilings. It is also used for deodorizing and stain removal.	Use 100 ml per 100 sq ft of surface area. Allow 10 minutes of contact time.
WSP-800	WSP-800 is a powerful disinfectant and sanitizer for use on all hard surfaces. It is a broad spectrum antimicrobial agent that kills bacteria, viruses, and fungi. It is also a powerful deodorizer and stain remover.	WSP-800 is used for disinfecting and sanitizing all hard surfaces, including floors, walls, and ceilings. It is also used for deodorizing and stain removal.	Use 100 ml per 100 sq ft of surface area. Allow 10 minutes of contact time.
WSP-900	WSP-900 is a powerful disinfectant and sanitizer for use on all hard surfaces. It is a broad spectrum antimicrobial agent that kills bacteria, viruses, and fungi. It is also a powerful deodorizer and stain remover.	WSP-900 is used for disinfecting and sanitizing all hard surfaces, including floors, walls, and ceilings. It is also used for deodorizing and stain removal.	Use 100 ml per 100 sq ft of surface area. Allow 10 minutes of contact time.
WSP-1000	WSP-1000 is a powerful disinfectant and sanitizer for use on all hard surfaces. It is a broad spectrum antimicrobial agent that kills bacteria, viruses, and fungi. It is also a powerful deodorizer and stain remover.	WSP-1000 is used for disinfecting and sanitizing all hard surfaces, including floors, walls, and ceilings. It is also used for deodorizing and stain removal.	Use 100 ml per 100 sq ft of surface area. Allow 10 minutes of contact time.

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Cortec's VpCI® technology offers an environmentally safe method of treatment with low toxicity and polluting effects. Unlike corrosion inhibiting systems of the past, Cortec® products do not contain chromates or other heavy metals, nitrites, or chlorinated hydrocarbons. With the support of our corrosion scientists, engineers, and accredited testing facility, Cortec® can provide simple, environmentally friendly, and cost-effective solutions to your corrosion problems.

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Cortec® VpCI® Technology

PROTECT OIL & GAS INDUSTRIES

The Oil & Gas Industry has presented difficult challenges to researchers in fighting the effects of corrosion — an economic loss and environmental safety. The total annual cost of corrosion in the oil and gas production industry is estimated to be \$3.27 billion, more specifically \$200 million in surface pipeline and refinery costs, \$400 million annually in downhole tubing expenses, and another \$200 million in capital expenditures related to corrosion. Cortec's capability offers highly efficient and economical corrosion protection for Oil and Gas applications. Cortec® products have been developed using proprietary VpCI® Technology. Cortec® VpCI® is a safe, cost-effective method for preventing and eliminating the severe damage caused by corrosion process streams. Utilizing Cortec's corrosion inhibiting products within companies within the oil and gas industries to comply with safety, health, and environmental policies as well as reduce unplanned maintenance and downtime costs.

PROTECT THE ENVIRONMENT

VpCI® offers an environmentally safe method of treatment with low toxicity and low polluting effects. Unlike corrosion inhibiting systems of the past, many of Cortec® VpCI®s do not contain chromates or other heavy metals, nitrites, or chlorides/hydrocarbons. With Cortec® VpCI®s you can turn the tables on corrosion. With the support of our corrosion scientists, engineers, and testing facility, Cortec® can provide simple, environmentally friendly, cost-effective solutions to corrosion problems.


PROTECT CONTINUOUSLY

Unlike conventional methods, such as filling an inline corrosion inhibitor, you can inject Cortec® VpCI®s into any part of your system. Cortec® VpCI®s go to work immediately and are self-replenishing. Continuous, uninterrupted protection in the liquid phase, inter-phase, and vapor phase can be added on multiple points. For example, the automatic injection of Cortec® VpCI® into a system — with no attendance operator — provides protection immediately, even on pre-rusted or scaled surfaces.

Vertical Integration and ISO Total Quality to Reduce Risk

ISO Accredited Laboratories for Validation Testing

Trusted Global Manufacturing And Technical Service in 90+ Countries



Vapor phase Corrosion Inhibitors (VpCI®)

VpCI® technology is an innovative, environmentally safe, cost-effective option for corrosion protection. Cortec® products protect with a thin, micro-molecular protective barrier. The barrier retards and self-replenishes, and can be combined with other functional properties for added protective capabilities. VpCI® form a physical bond on the metal surface creating a barrier layer against aggressive ions.

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Industry Solutions

PROCESS SYSTEMS-HYDROCARBON SIDE

Crude oil processing equipment, pipes and pipelines, refinery equipment, storage tanks, and engines need protection against piping, corrosion gases and water intrusions.

Cortec® VpCI® treatment protects systems with a high rate of residual water, and systems exposed to hydrogen sulfide and hydrogen. These products are especially effective in low areas in the bottom where water collects, causing extreme corrosive attack. Put Cortec® VpCI® to work and let the Cortec® VpCI® alternative solve your corrosion problems.





Upstream: Exploration & Production

Cortec® provides superior corrosion protection for operational and capital assets, production equipment, infrastructure, key assets, pipeline, vessels, storage tanks, modules and skids — including flow paths, internal and external, operational and dead assets. Life-cycle during transport, construction, commissioning, operations and maintenance for onshore and offshore assets. Cortec® products and services are environmentally friendly, quarantine compliant and IHH pre-validated. Cortec® VpCI® and MFC® solutions for oil/gas ensure readiness and effective maintenance at the lowest possible cost. Sub-sea pipelines, risers and separators.

Midstream: Transportation & Storage

Cortec® patented VpCI® technology provides cost-effective, easy-to-apply, leave-in-situ solutions for pipelines, storage vessels, transportation vehicles and vessel and related capital equipment. Select Cortec® products for flow path (gas, oil, alcohol, steam, fuel, coke, fresh water, salt water), external coatings, internal coatings and void space including enclosed pipe, A/B's and tie-in supplements to CP systems. Cortec® also has a range of MFC® products that can be used solely in operating conditions.

Downstream: Refining & Petrochemical

By reducing downtime and increasing equipment life, Cortec® products can improve downstream business operation effectiveness and efficiency. Equipment and plant inventories in oil refining, gas processing and production facilities create devastating delays. Cortec® products are useful as functional additives in feedstocks and petrochemical products, fuels and hydrocarbons — offering corrosion protection enhancement, especially in moisture and corrosion prone products. Additionally, Cortec® products assist in the maintenance, repair and operations of downstream assets.

RELATED PRODUCTS/SERVICES

• Permanent Paints	• Idle Asset Preservation	• Float Coats
• Soft and Hard Coatings	• Packaging and Shrouds	• Fogs & Void Space
• Thin Film Inhibitors	• CUI and TOTL Inhibitors	• Packaging
• Stabilizers	• Additives	• Absorption & Scavenging
• CP Mitigation Engineering	• Powders	• Hydroblasting

Turnkey Corrosion Control

FIELD SERVICES

In today's diverse and challenging environment, oil and gas industry increasingly faces reduced human capital availability, elusive efficiency improvements, and increasing reliance on analytic data which can be used to drive real-time decision making.

Cortec's field services facilitates the emerging VpCI® field, providing technology that oil and gas enterprises can rely on to generate improved efficiency, real time field communications and data collection, and intelligent, responsive decision making.





Equipment Preservation

Cortec® has provided turnkey support for many years, for equipment preservation projects — now we can provide engineering needed through the first application of all preservation technology and products required to effectively mitigate corrosion during downtime.

- This includes preservation during shipment, storage, temporary shut-down, or long-term mothballing.
- Corrosion protection is provided to all surfaces, both internal and external through the multiple delivery systems available with Cortec® VpCI® technology.
- VpCI® preservation applications include a variety of cleaning products, surface coatings, powders and liquids for fogging of large spaces, solutions for lubricants and process liquids, as well as films for final encapsulation.
- With CIPS®, real-time corrosion rate monitoring systems for critical assets are available.
- Assistance with removal of preservation products is also available during future equipment recommissioning.

Plant Layout and Mothballing

Cortec® specializes in turnkey corrosion control engineering and applications services for entire plants and is augmented with implementation of a comprehensive plant layout package that could include:

- A corrosion audit for identification of all facility corrosion control requirements.
- A comprehensive plan to mitigate internal and external corrosion on all plant assets — both above-ground and under-ground.
- Turnkey application of all corrosion control systems.
- Monitoring and maintenance of corrosion control systems during the lay-up period.
- Future assistance with the transition from the lay-up phase to plant commissioning.
- All information can be found at www.CortecCorrosion.com

Tank, Line & Process Vessel Corrosion Protection

A growing number of Oil & Gas companies are embracing the CorrosiLogic® System approach for their A/B's. Data from the real-time corrosion rate monitoring equipment that is installed in each tank along with the VpCI®, provides the long term effectiveness of the solution. Cortec® completed a pilot project for the Saudi Aramco Oil Company, Saudi Aramco, on an AST with an oilhead tank used as one of their critical Arabian Gulf oil export terminals. Product is used as a powder or slurry of Cortec® Inhibitor powder with Nano VpCI® CorrosiLogic® Powder, powered with Nano VpCI® in 100% kerosene solution in marine environment per OEMC®-SOL, ISO 2818 (Marine Test, Non-Toxic, Non-Poisoning, and ICHG Compliant). It meets NACE Standard RP0208-2000, Military Standard MIL-22150C (A) Test (Vapor Inhibiting Activity). For high temperature applications for tanks holding liquids or solids above 200 deg C, use CorrosiLogic® Slurry HT VpCI® System.

Cortec's diverse set of services and products can be utilized in upstream, midstream, and downstream businesses. The brochure also explains the value of Cortec® Global Services and Cortec® Field Services in the challenging environments of the oil and gas industry.

In a rapidly growing market, Cortec® continues to lead in the oil and gas industry with its innovative corrosion control products. Many of these unique products conform to ASTM G 1, ATMS G3 Standard Test Methods, NACE Standard TM-01-64 for Laboratory Corrosion Testing of Metal for the Process Industries, and NACE Technical Standard TM 0169-95 for Laboratory Corrosion Testing of Metals.

With years of experience and knowledge, Cortec® understands the needs of the market. In order to facilitate and achieve success, the main purpose of this brochure is to provide our clients with up to date information. In order for Cortec® to be able to continue to facilitate and ensure that its customers' needs are met efficiently, we provide:

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.



Laboratory Accreditation (ISO/IEC 17025)

Ensures quality testing services, and to continually improve the effectiveness of the Quality Management System. It is Cortec® Corporation's goal to encourage active participation of all employees in quality planning and continual improvement efforts to meet all quality and service objectives. Cortec® Laboratories is the only lab in our industry that received ISO/IEC 17025.



Need a High-Resolution Photo? Please Visit: www.cortecadvertising.com

Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified.

Cortec Website: <http://www.cortecvci.com> Phone: 1-800-426-7832 FAX: (651) 429-1122