WELCOME TO THE WORLD SALES MEETING 2015!
Nuts and Bolts of How to Build a World Class Company and Have Fun in Life

Boris Miksic, FNACE President/CEO
There are three things inevitable in life: Death, Taxes and Corrosion.

Thank God for corrosion!
How did we Succeed?

Creativity \rightarrow Innovation
Vision \rightarrow Inspiration
Goal \rightarrow Focus
Training \rightarrow Teamwork
Motivation \rightarrow Education

SUCCESS
GREAT WORKS ARE PERFORMED NOT BY STRENGTH BUT BY PERSEVERANCE. SAMUEL JOHNSON
“If you want to live a happy life, tie it to a goal. Not to people or things.”

Albert Einstein
Founded in 1977 as a fledging company out of a garage in St. Paul, MN
World’s Largest VpCl®/MCI® Synthesis Plant

Cortec® Corporation World Headquarters, St. Paul, MN

Contact Us
Phone: 651 429 1100 / Fax: 651 429 1122
Email: info@cortecvci.com / 4119 White Bear Parway St. Paul MN 55110
CORTEC’S FACILITIES

• 5 in the USA
• 3 in Europe
• 1 in Canada
CORTEC® SPRAY TECHNOLOGY
Spooner, WI

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CORTEC® COATED PRODUCTS
Eau Claire, WI

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ECOCORTEC®
Beli Manastir, Croatia
First Croatian Bioplastics Plan

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BIONETIX INTERNATIONAL
Montreal, Canada
A Subsidiary of Cortec
Bionetix International
A Subsidiary of Cortec® Corporation

Latest Technology for Biological Waste Treatment

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CORTEC’S LATEST ACQUISITION

A Subsidiary of Cortec® Corporation

CORTEC Biotechnology™

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CORTEC BIOTECHNOLOGY

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• ISO 9001 – 2000 Certified in 1994
  (Quality of manufacturing process)

• ISO 14001 Certified in 1998
  (Environment Impact)

• ISO 17025 Certified in 2010
  (Laboratory Testing Certified)
Distribution network in over 90 countries
World Class research and development
Most diversified product offering of any manufacturer allowing an integrated approach to corrosion protection.

- VpCl’S
- Surface Preparation
- High Performance Coatings
- Water Treatment
- MCI’s
- Process Additives
- MRO Products
- Electricorr
- VpCl Packaging Products
20/20/20 Mission:

- Grow annually by 20%
- Reduce Costs annually by 20%
- Introduce 20% new products
CORTEC’S CUSTOMER SUPPORT

• Makes regular field visits
• Provides technical documentation and support
• Holds distributor and customer seminar and training globally
• Regional sales and customer support offices in North America, Europe, Middle East, Asia, and soon, South America.
CORTEC’S MARKETING RESOURCES
82 Websites in 28 Languages

- PDS/SDS
- Brochures
- Press Releases
- Newsletters
- Advertising
- Samples
- Tradeshows

- Manuals
- Product Spotlights
- CDs/DVDs/Videos
- News Alerts
- Direct & E-Mailings
Green Marketing Network Worldwide
VpCl® Technology For Oil and Gas Industry

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http://www.cortecoilandgas.com/
VpCI® Technology For Automotive Industry

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http://www.cortecautomotive.com/
Custom Fabricated Equipment Covers and Hoods
VpCI® Technology for Marine and Shipbuilding Industries

Cortec® Presents New Brochure – VpCI® Technology
No. 1 choice for Marine and Shipbuilding Industries!

Cortec® has published a brand new brochure delivering information on its latest-technology products and services in the field of marine and shipbuilding industries. It is well known that corrosion causes destruction of structures and equipment as well as the loss of valuable resources, contamination of products, reduced efficiency and high maintenance costs.

Damages from corrosion in shipbuilding or the ones that occur in the exploitation of various vessels are especially harsh. Corrosion protection of such structures and constructions make a big part of the cost of manufacturing process. Quality corrosion protection in the construction phase of the ship is of crucial importance for its functioning and use due to it’s a demanding and complex structure, exposed to extremely aggressive environments.

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http://cortecmarine.com/
“Innovation distinguishes between a leader and a follower.” – Steve Jobs
“Global Corrosion Inhibitors – Water and Oil Based, Organic and Inorganic, Raw Materials Trends and Forecast”
(2010-2015)
Markets and Markets Research
CORTEC® PATENTS

United States and International
35 Granted
11 Pending

TRADEMARKS

United States
55 Registered
11 Pending

International
16 Registered
8 Pending
PHYSICALLY ADSORBED

Ionic action of VpCI creates a molecular, inhibiting layer
BIOCORTEC®
The future of Corrosion Protection

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VpCl® EMITTERS

Original Emitter Machine
1977-1987
Investment: $150
R.O.I.: $4,999,850

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ECOEMITTER®

The first product of our newest line of products

EcoEarth
BIOPOUCH™ POWERED BY NANO VpCl® TECHNOLOGY
Cortec® Corporation launches biobased film products for Marine and Anaerobic Digestion Markets.
Collecting plastic garbage from
Galapagos beaches
Boris Miksic, CEO of Cortec® Corporation,
with NatGeo’s scientist Dr. Lynn Fowler

Coast of Dubrovnik, Croatia
Polluted by plastic materials discarded at
sea. (Photo: Business Wire)
Marine debris removal and preventing further litter entry

Co-funded by the Eco-innovation Initiative of the European Union

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ECOOCEAN®
Biobased Film and Bags for Marine Biodegradable and Anaerobic Digestion Markets

FEATURES
• High renewable content: 77% biobased
• USDA BioPreferredSM certified packaging material
• BPI certified to meet ASTM D6400 for compostable plastics
• Marine biodegradable per ASTM D7081 standard specification
• 100% anaerobically digestible per ASTM D5511 standard test method

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May 17, 2011

NEWS ALERT

Cortec® Products Certified for USDA BioPreferredSM biobased labeling!

The following Cortec® products have been awarded USDA BioPreferredSM designation:

- VpCI®-411*
- S-14 Bio
- EcoLine® Cleaner Degreaser*
- EcoLine® All Purpose Lubricant*
- EcoLine® Long Term RP
- EcoLine® 3690
- EcoLine® 3220*
- EcoLine® Cutting Fluid*
- VpCI®-423
- VpCI®-422
- MCI®-2005
- EcoLine® CLP
- EcoLine® Food Machinery Grease*

In January 2011, the U.S. Department of Agriculture (USDA) BioPreferred program launched a new labeling initiative to identify biobased products or packaging, commercial or industrial, whose main ingredients are renewable plant, animal, marine, or forestry materials. The BioPreferred program is now comprised of two parts: a biobased product procurement preference program for federal agencies and a voluntary labeling initiative for the broad-scale marketing of biobased products. This USDA biobased product label indicates that a product has been independently certified to meet or exceed BioPreferred standards for biobased content (ASTM Test Method D6866). This new labeling will promote the increased sale and use of biobased products. Federal agencies and their contractors are required to give preferential consideration to these designated products when making purchases. The new label will make identification of these products easier for Federal buyers, and will increase awareness of these high-value products in other markets.

More detailed program information and additional resources are available at: [www.biopreferred.gov](http://www.biopreferred.gov)

For more information, please contact Cortec® at 1-800-4-CORTEC.

*Federally Preferred Products (FP)
CASE HISTORY

Minnesota Zoo Composting Program

BACKGROUND
The Minnesota Zoo is home to more than 3700 animals including over 500 different species located on over 500 acres of land in the Twin Cities area. Opening in 1978, the mission of the zoo is to connect people, animals, and the natural world. To support this initiative, the zoo recently formed a Green Team to promote various activities aimed at sustainability. One of these initiatives was to develop a composting program to reduce the amount of waste they produce.

GOAL
The goal of the new composting program was to divert food waste at the zoo, and reduce the trash that is taken into area landfills. To start the composting program, the zoo staff began testing various compostable plastics to see which best fit their needs. They found that Eco Film® met all of their requirements, and allowed them to use a product produced by a fellow Minnesota organization.

IMPLEMENTATION
In the spring of 2011, the program was implemented using Eco Film® for food waste created by employees, staff, and the catering service. It was also used during their summer Zoo Camp and there are plans to expand this for food waste throughout the zoo. This green initiative is just one example of how the Minnesota Zoo is a true leader in our state and one that is focused on adopting practices that enables them to minimize their environmental impact.

DATE
August 2011

CUSTOMER
Minnesota Zoo

LOCATION
Apple Valley, MN

PRODUCTS
Eco Film®
CORTEC’S VpCl®-309

1st Nitrite-Free Product in the World!
The primary focus of CEFS includes:

- Delivery of exceptional design and engineering for development of cost effective corrosion control solutions and comprehensive corrosion management programs
- Delivery of advanced applications and installations of corrosion control and monitoring systems worldwide
GalvaCorr™
A New Versatile Concept In Cathodic Protection
Developed and Patented by NASA

Underside application of the coating wires and then the coating. It is easily applied to vertical, horizontal and overhead surfaces.

GalvaCorr can reach the rebar corrosion process electrically, inside the concrete to slow or stop internal destruction.

GalvaCorr galvanic protection is 30-50% less expensive than 3M’s® Zinc Hydrogel Anode System.
Cortec’s MCI® product line was specifically designed to protect embedded reinforcement in concrete structures, both in new construction and restoration and repair.

**MCI can extend the service life of your structure by up to five times.**

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How Do Migrating Inhibitors Work?

Migrate via:
- Capillary Action
- Vapor Diffusion
- Ionic Attraction

On the Rebar Surface:
- Monomolecular layer
- Establish a physical adsorption

Resulting in:
- A change in potential at both anodic & cathodic sites
- Nitrogen allows for a tenacious bond
EFFECTIVENESS IN CRACKED CONCRETE

Modified ASTM G109 Testing of Corrosion Inhibitors

- Control - No Inhibitor
- MCI - 0.6 liters/m³
- CNI - 20 liters/m³
- Butyl Oleate - 5 liters/m³

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CASE HISTORY
Round Butte Reservoir

PROBLEM:
Preservation of these large steel flex-floats that are air tight, but were designed to be opened and loaded with sand for ballast.

APPLICATION:
MCI® 309 powder was selected to be blown throughout the cavity.

CONCLUSION:
The contractor, owner, and specifier were all pleased with the ease of application, effectiveness and more cost effective system versus paint.
CASE HISTORY

MCI® Anti Graffiti Coating Used to Protect Reykjavik City Tunnel

PROBLEM:

The city of Reykjavik wanted a durable coating for easy graffiti removal.

APPLICATION

The pedestrian tunnel was coated with MCI® Anti Graffiti Coating.

CONCLUSION

The customer was very pleased with the ease of application and look of the coating on the concrete.
VpCI® COATINGS

Combine the properties of traditional coatings and oils with enhanced corrosion protection

VpCI® Coatings offer three levels of protection:
- Contact corrosion inhibitors
- Barrier protection
- VpCI

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www.cortecvci.com
TRADITIONAL COATINGS

MICRO-CORROSION STARTS INSIDE MICRO-CAVITIES
LIMITATIONS OF TRADITIONAL COATINGS

Traditional coatings cannot protect the micro-cavities due to the relative large size of corrosion inhibitor particles such as nitrite, aluminum, zinc and so on. That is where micro-corrosion starts when using traditional coatings.
CORTEC COATINGS are unique because the vapor phase corrosion inhibitors penetrate and protect the micro-cavities against micro-corrosion.
EXAMPLE OF VpCl® VERSUS NON VpCl® COATINGS
TRANSIT COATINGS
MAINTENANCE APPLICATIONS
PROCESS ADDITIVES

**Fuels/Lubes**
- Turbine transmission lubes
- Product storage
- Product transmission lines
- Fuel system layup
- Product storage tanks and process equipment

**Upstream**
- Oil and gas drilling and completion fluid
- Sub-sea pipelines, riser and separators
- Hydrate control
- Oxygen scavenger
- Crystalline modifiers
- Production chemicals
- Foam based under balanced drilling

**Downstream**
- Refinery crude storage
- Overheads, condensers, accumulators, morpholine replacement
- Organic sulfite replacement
- Lubes
- Amine systems

**Petrochemical**
- Polymerization Processes
- Acid process control
- High alloy systems
- Quench water control
Vapor phase Corrosion Inhibitors [VpCI⁺]

VpCI⁺ technology is a revolutionary, environmentally safe and cost-effective option for corrosion protection. Cortec® products protect with a thin, mono-molecular protective barrier. The barrier re-heals and self-replenishes, and can be combined with other functional properties for added protective capabilities. Vapor phase Corrosion Inhibitors form a physical bond on the metal surface and form a barrier layer to aggressive ions. For use in pipelines, oil and gas wells, refinery units and fuels.

Choked Down Pipe
Turbulent Flow
Laminar (with Eco Flow®)
Eco Flow® Enhancer

Partition
Emulsion
Gas
Oil
Brine
Pipeline section shows active VpCI⁺ protection at the liquid phase, the vapor phase and the interface, partition and emulsion barriers.

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PRESERVATION, LAY-UP & MOTHBALLING HANDBOOK

The Preservation Handbook is password protected. Please login below using your Cortec USERNAME/PASSWORD. If you would like to request access please click here.
# Classes of Rust Preventative Compounds

<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Use</td>
<td>Displace Moisture</td>
<td>Anti-friction Bearings</td>
<td>Exterior Surfaces</td>
<td>External Surfaces</td>
<td>Oil Reservoirs</td>
<td>Pipes, Tanks, &amp; Tubulars</td>
<td>Equipment &amp; Spare Parts</td>
<td>Electrical, Electronics, Instruments Enclosures</td>
<td>Cooling Loops, Bolers, &amp; Hydrotesting</td>
<td>Sealed Internal Surfaces</td>
</tr>
<tr>
<td>Type</td>
<td>Solvent or Water Carrier</td>
<td>Number 2 Grease</td>
<td>Self-healing Grease</td>
<td>Solvent or Water Carrier</td>
<td>Oil &amp; Fuel Soluble Fluid</td>
<td>Amino Carboxylate Powder</td>
<td>Plastic Film, Bags, or Tubing</td>
<td>Foam or Plastic Capsules</td>
<td>Water Carrier</td>
<td>Granular Absorbent</td>
</tr>
<tr>
<td>Protective Period Months, Unsheltered outdoors</td>
<td>Not Recommended</td>
<td>Up to 6 months</td>
<td>12-24</td>
<td>24-48</td>
<td>Up to 12 months</td>
<td>Up to 60 months</td>
<td>Up to 12 months</td>
<td>N/A</td>
<td>Up to 6 months</td>
<td></td>
</tr>
<tr>
<td>Protective Period Months, Sheltered outdoors</td>
<td>3-8</td>
<td>8-12</td>
<td>24-48</td>
<td>24-48</td>
<td>Up to 24 months</td>
<td>Up to 72 months</td>
<td>24</td>
<td>N/A</td>
<td>Up to 12 months</td>
<td></td>
</tr>
<tr>
<td>Protective Period Months, Indoors</td>
<td>6-12</td>
<td>12-24</td>
<td>36</td>
<td>48</td>
<td>Up to 36 months</td>
<td>Up to 120 months</td>
<td>24</td>
<td>Up to 24 months</td>
<td>Up to 24 months</td>
<td></td>
</tr>
</tbody>
</table>

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LAY-UP OF GE GAS TURBINE

Setting discharge to a light fog

Fogging through the inlet

Exhaust sealed with Poly Film

Inlet covered with VpCI®-126 Film

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CASE HISTORY

Terminale LNG Adriatico Srl - ExxonMobil - Qatar - Edison Snamprogetti Srl

PROBLEM
The customer needed to prevent the progression of corrosion to the interior of 1300 pipes stored for several months in an outdoor, harsh environment.

APPLICATION
VpCI 609® Powder was fogged inside each pipe with a specially designed pipe coater, VpCI™-389 was then applied to the cut-back, and both ends of each pipe were covered with VpCI-126® Film.

CONCLUSION
Customer was very satisfied their corrosion problems were addressed and solved in a timely manner.
CASE HISTORY
Deep Storage Preservation of U.N.L.B. Vehicles

PROBLEM:
customer required a preservation system that would be efficient, economical, and keep vehicles rust-free.

APPLICATION:
The vehicles were refilled with new oil, coolant, and fuel with Cortec Additives, washed, wax and wrapped with MilCorr® VpCI® Shrink Film.

CONCLUSION:
Cortec® products provided excellent results; the vehicles were inspected after 1 year of storage and had no signs of corrosion.
CASE HISTORY
Lay-up Preservation System For Offshore Equipment

PROBLEM:
Customer needed to store equipment for one year on the deck of an offshore platform.

INSTRUCTIONS FOR PROTECTION:
All exterior and inside surfaces of units were protected with various Cortec products

START UP AFTER STORAGE:
All outside surface of units were washed with EcoLine® Biodegradable Cleaner/Degreaser and all surfaces were inspected.

REASON CORTEC® WAS SELECTED:
Cortec® Corporation offered a preservation system, along with world class technical, logistical support, and supervision of the entire project.
GENERAL MOTORS BUILD AHEAD
MILCORR® IN RUSSIA
NASA TOOL PRESERVATION
I don't measure a man's success by how high he climbs but how high he bounces when he hits bottom.

(George S. Patton)
Pierre Crevolin, President of NACE International, delivers the Frank Newman Speller Award to Boris Mikšić during NACE Expo 2004.
Vukovar, Croatia, 1991
Zagreb City Assembly, February 26, 2009. Giving criticism to Mayor Milan Bandic
With Governor Tim Pawlenty, Croatian Ambassador Dr. Grdesic, and Ivana Radicat at the Minnesota State Capitol
Boris’ billboard from the Presidential elections 2005
“Good and honest guy for a better Croatia”
Boris’ billboard Parliamentary elections, 2007
“Sky is the limit-we are making greenfield investments not taking away from the people
Campaigning with Croatian legend Miso Kovac, 2004
John F. Kennedy
1917—1963

“Ask not what your country can do for you, ask what you can do for your country.”
Submitting 10,000 support signatures required for presidential nomination, Zagreb, 2004
Election Night at Headquarters in Duke Mislav Street, after the famous announcements from The State Electoral Committee that Mesic and Kosor were going to the run off, January 2, 2005
Street Protests after electoral fraud of the presidential elections, January 2005
After the trial where the president of Republic of Croatia Stjepan Mesic, sued citizen Boris Miksic for slander. Judicial farce was over in record time of 2 hours, Sambor2006
PEOPLE RARELY SUCCEED UNLESS THEY HAVE FUN IN WHAT THEY ARE DOING.

purehappylife.com
The happy newlyweds and their amberjacks for good luck!
My first collector’s car ‘59 Rolls Royce in front of North Oaks Golf Club where the idea about Partnership for Peace between US and Croatia was born that resulted in NATO membership 14 years later.
In Beli Manastir, Croatia with our ‘73 Mustang Mach I
Our “Casablanca” house on Longboat key with our island hopper “Affe” and the ultimate sport fishing machine “Heidin’...away”
Boris & Billy the Kidd

Gold Medal and the dedication given by Billy the Kid
Twice champion of the Bud Collins’ Open Tennis Tournament at the Colony Resort on Longboat Key with my “island cruiser” ’80 Rolls Royce Corniche
Munchkin “enjoying” island of Cres
SUCCESS IS A JOURNEY, NOT A DESTINATION...