Cortec® Corrosion Engineering and Field Services (CEFS) group possess the industry-leading expertise and resources to provide an incomparable suite of corrosion control solutions to owner/operators of Tank Farm facilities.

Engineering & Design Services

Innovative Corrosion Control Engineering & Design Solutions
Cortec’s CEFS team works hard for its customers to solve virtually any corrosion control challenge. We are able to utilize a wide array of technologies and resources. Innovation is a specialty and we welcome the opportunity to provide custom designed corrosion control solutions.

• Cortec Vapor Corrosion Inhibitor (VpCI®) Solutions.
Corrosion control system solutions are designed using the tremendous selection of VpCI® technologies and processes.

• Cathodic Protection Solutions.
Corrosion control system solutions utilizing cathodic protection technologies are provided where applicable.

• Other Corrosion Control Technologies.
CEFS will design and recommend other corrosion control technologies where applicable.

Total Facility Corrosion Management Programs
Effective mitigation of asset corrosion begins with: Well engineered comprehensive programs that are designed to produce coordinated application of the appropriate technologies; Then followed by: Thorough organized corrosion management programs.

• Baseline Corrosion Assessments.
Cortec provides comprehensive assessments designed to identify the areas with satisfactory attainment of corrosion control; and areas with corrosion control deficiencies.

• Corrective Action Programs.
CEFS then provides custom turnkey solutions for mitigation of identified corrosion control deficiencies. These programs can be tailored for compatibility with annual budgets as necessary.

• Maintenance of Corrosion Control Systems.
Maintenance of corrosion control system is critical. CEFS provides complete maintenance specifications and process descriptions.

Real-time Corrosion Rate Monitoring Programs
The measurement of critical asset corrosion rates in real-time is a vital component of any corrosion control system. It is valuable for identification of areas where proactive corrosion control systems are needed; and also is important to provide effective monitoring of active corrosion control systems.

• CEFS is committed to designing corrosion monitoring programs that utilize state of the art equipment and technologies to accurately and efficiently monitor corrosion.

• Corrosion monitoring systems can be stand alone or in conjunction with existing corrosion control systems.
Aboveground Storage Tank Corrosion Control

Corrosion control of ASTs is a specialty. Cortec’s CEFS group offers turnkey corrosion control system designs & installations for virtually any type of AST construction; and for the entire facilities where these tanks are located.

Double Bottom ASTs with New Floors
- Custom engineered vapor corrosion inhibitor systems.
- New EcoPouch strip system produces effective VpCI® distribution, is easy to install and economical.
- Real-time corrosion rate monitoring included.

New Single Bottom ASTs with HDPE Liners
- Custom engineered vapor corrosion inhibitor systems.
- New EcoPouch strip system produces effective VpCI® distribution, is easy to install and economical.
- Real-time corrosion rate monitoring included.

Retrofit Installations for Double Bottoms and Single with Liners
- Custom engineered vapor corrosion inhibitor systems installed without disruption of tank service.
- Effective for any diameter.
- Industry leading experience with this application.
- Real-time corrosion rate monitoring included.

Single Bottom ASTs
- Custom engineered undertank cathodic protection systems.
- Hundreds in-service today.
- Industry leading experience.
- Available as retrofit or for new construction.

Control of Vapor Space Metal Corrosion on Fixed Roof Tanks
- System for this application under development.
- Cortec is soliciting feedback on customer issues with this problem.

* Picture abstract from www.thefloatingroof.com
Additional Facility Applications

Contact CEFS for engineering and delivery of corrosion control systems for a variety of other assets at pipeline terminals and refineries.

Control of Corrosion under Insulation
• Custom engineered systems available for insulated piping and pipelines of any length.
• Custom engineered systems also available for insulated equipment or structures.
• Real-time corrosion rate monitoring included.

Corrosion Control of Hydro-tested Structures
• Internal corrosion control while water is inside the asset, then also after the water is drained.
• Corrosion control solutions available for fresh water, brine and salt water.
• No time limitations.

Internal Pipeline Corrosion Inhibitors
• All VpCI® products provide corrosion protection in pipeline headspaces and areas not directly contacted by the pipeline products.
• Solutions for a wide range of refined hydrocarbons, crudes, oil/water mixes and gases.
• Solutions for high temperature products also available.

Surface Coatings
• All coatings contain VpCI® technology for additional corrosion control.
• Both temporary and permanent coatings programs are available.
• Some coatings systems do not require sandblasting or other rust removal.
• Custom colors are available.

Equipment Preservation
• A wide range of products and solutions are available for control of equipment corrosion during downtimes.
• Internal and external applications.
• No time limitations.

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