

REVIEWING SEVERAL CORROSION MANAGEMENT CASES FROM THE ENERGY SECTOR



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The Main Objective

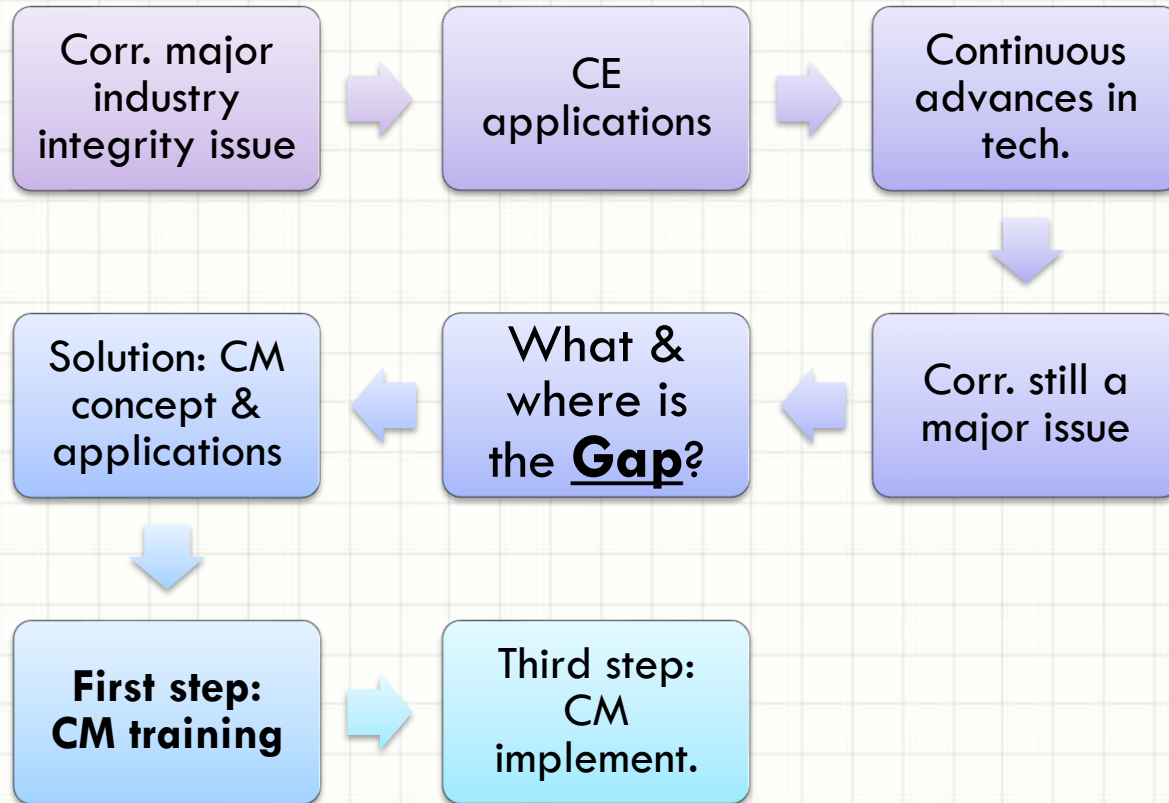
Sharing valuable
operational and
integrity experience
with other energy and
power companies.

Why is Corrosion Still a Major Integrity Issue?

In spite of the continuous and significant technological advances in various fields such as metallurgy, coatings and chemicals, corrosion remains a major integrity threat for the energy and power industries. But why?



Corrosion: Still a Universal Integrity Issue



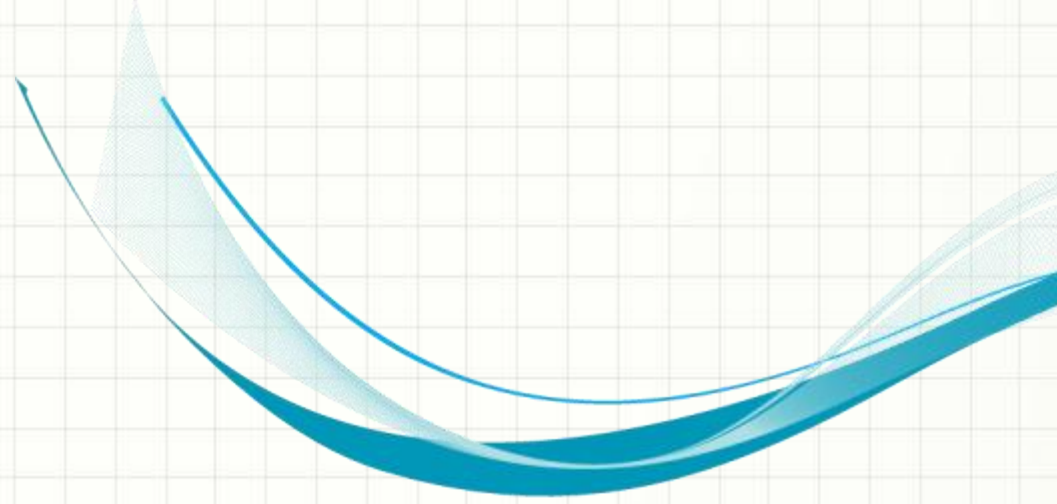
What and Where is the Gap?

Shortcomings in:

- Design
- Materials Selection
- Transportation
- Installation
- Purchasing(!)
- Hydrotesting
- Operation
- Inspection
- Monitoring
- Documentation
- Procedures
- **Communications**
- **Competency**

Changes in:

- Feed composition
- Operation
- Process
- Team structure
- Methodologies



Energy and Power Industries Case Studies and Lessons Learnt

Case 01: Poor Storage



Case 02: Poor Installation Practices



Case 03: Poor Design



Case 04: Poor Construction



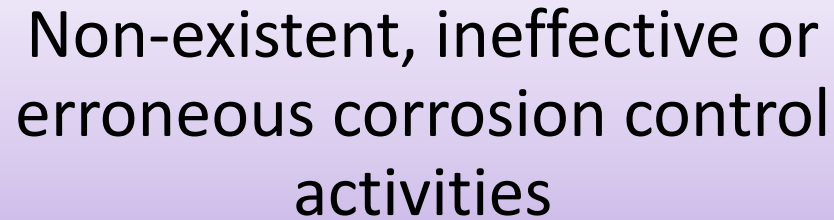
Case 05: Poor Design & Process Practices



Case 06: Poor Hydrotesting



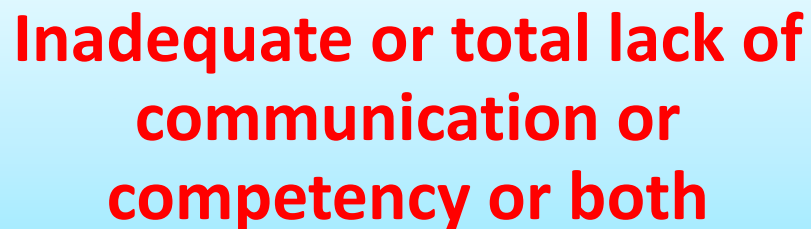
Conclusions



Non-existent, ineffective or erroneous corrosion control activities

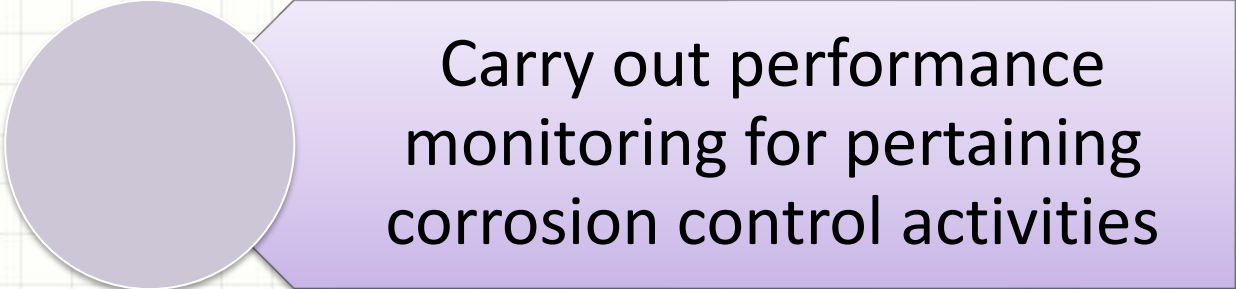


Lack of performance monitoring

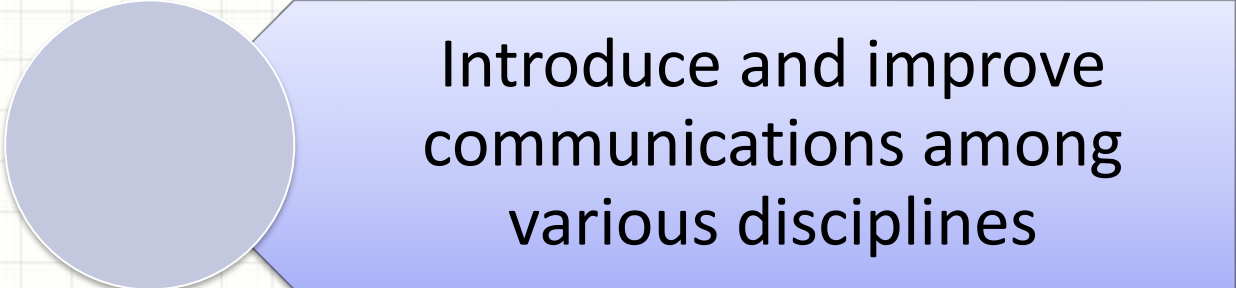


Inadequate or total lack of communication or competency or both

Recommendations



Carry out performance monitoring for pertaining corrosion control activities



Introduce and improve communications among various disciplines



Enhance competency via more training and better appointments(!)



Thank you for your time, patience and attention.

Please send me your comments, questions or suggestions

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