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## FORMATION/ PRESENTATION ON CORROSION BASICS PRINCIPLES AND CORROSION MITIGATION

### PROTECTION OVER GALVANIZED, CORRODED, RUSTY AND NEW STEEL SURFACES

#### TOPICS

- Basic differences between rust and corrosion
- Corrosion types and its active process
- Principles of the "zinc / steel" link,
- Galvanizing processes; Hot-dip, Metallization, Plating and others
- Galvanic corrosion and sacrificial protection
- Corrosion VS design and preventive solutions
- Conventional paint coatings limitations – Lab testing
- Hot-dip galvanized performance evaluations
- Origin of the Rust-Anode Technology and the military expertise with **NATO FORCES**
- The advantages and characteristics of the Rust-Anode Technology
- Refurbishing existing rusty or corroded structures
- Increase of the mass of zinc on existing galvanized structures
- Lead paint encapsulation
- Application on new steel and minimal surface preparations
- Estimated performance according to the environment
- Environmental considerations
- Quality control
- Expertise and achievements
- Questions and case story

For engineers, we can issue a certificate to deduct from professional eligible learning hours  
(This formation is accredited by the Order of Engineer in most provinces in Canada)

Duration: 2 hours  
Nov. 2019

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