



Introduction to Cathodic Protection 8 Hour Seminar

Who Should Attend? Upper management, purchasing agents, supervisors, electricians, technicians and others who need a better understanding of the principles of Cathodic Protection.

Course Description: When an experienced plant technician explains why you need additional Cathodic Protection, do you **understand?** When there is a discussion about the cause of the last tank or pipe rupture, do you know why inadequate Cathodic Protection could be the cause?

Learn the principles of Cathodic Protection, how it is applied and what problems it causes. Learn how to test and maintain Cathodic Protection systems, as well as how to troubleshoot them.

Outline:

- I. Basic Considerations**
 - A) Terms and definitions
 - B) Causes of cathodic corrosion
 - C) Cathodic protection principles

- II. Types of Cathodic Protection**
 - A) Impressed current
 - B) Sacrificial anode

- III. Activities Affecting Corrosion**
 - A) Exposure area of cathode
 - B) Electrical shielding
 - C) Stray currents

- IV. Cathodic Protection Testing and Analysis**
 - D) Soil resistivity surveys
 - E) Current requirements
 - F) Stray current measurements

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