

Cathodic Protection Monitoring

Duration 3 days

Description This course covers background theory on corrosion, basic electricity and cathodic protection, including such aspects as protection criteria and IR drop. Participants will be able to carry out cathodic protection measurements such as pipe-to-soil potential, line current, anode current output, electrical continuity, effectiveness of insulating joints, effectiveness of cable insulation, soil resistivity, and transformer-rectifier operation.

Who Should Attend? Anyone who is interested in developing an understanding of the reasons cathodic protection measurements are taken, knowing the basic operation of the test equipment and being able to carry out cathodic protection measurements.

Course Highlights

- Basic Electricity
- Corrosion Basics
- Cathodic Protection
- Coatings and Cathodic Protection
- Measuring Equipment
- Reference Electrode
- Potential Measurements
- Transformer-Rectifier Operation
- Current, Voltage and Resistance Measurements
- Soil Resistivity Measurements

Prerequisites These subjects are covered at a basic level and would require a background of about Year 10 in science and maths. Experience in cathodic protection is an advantage.