

Cathodic Protection Advanced

Duration 5 days

Description This course offers the opportunity for participants to understand the principles of corrosion, electricity and cathodic protection and the corrosion features of soils, water and concrete. The course will enable students to define the different protection criteria, interpret potential and current surveys, know how to troubleshoot cathodic protection problems and learn of the hardware used in cathodic protection such as anodes, backfill, transformers, rectifiers, test instrumentation, etc. The course continues to teach students of the factors which determine current requirements and design of impressed current and galvanic systems, the selection process of a galvanic or impressed current system and more.

Who Should Attend? Those who require a good understanding of the principles, design and monitoring methods used in cathodic protection.

Course Highlights

- Fundamentals of Corrosion**
- Electrical Fundamentals**
- Principles of Cathodic Protection**
- Cathodic Protection Design**
- Cathodic Protection Operation and Monitoring**
- Coatings and Cathodic Protection**
- Identifying Cathodic Protection Equipment**
- Troubleshooting cathodic protection problems**
- Cathodic Protection for Marine and Concrete structures**

Prerequisites Year 12 chemistry and maths. Experience in the cathodic protection industry would be an advantage.