(2) Corrosion Control in Industry and Plant

WHO SHOULD ATTEND

This course is designed to provide an in-depth appreciation of corrosion engineering for both engineers and scientists working in a variety of industry. Those engineers concerned with design will find this course extremely useful as well as representatives of government agencies and the insurance industry.

COURSE OBJECTIVES

Industrial infrastructure as well as manufactured products can suffer from corrosion damage with adverse effect on both quality assurance and production schedules. Participants will gain an understanding of corrosion engineering and its application in a range of different industries including the various methods used for corrosion control; how to recognize the various forms of corrosion; how to investigate corrosion problems (corrosion failure analysis); how to monitor and inspect corrosion, and how to use the corrosion literature (including corrosion related software) to advantage.

CONTENT

Overview, Economics, Basic corrosion principles, Forms of corrosion, Control methods – design, materials selection, inhibitors, cathodic and anodic protection, coatings, Corrosion under insulation Corrosion-concrete and reinforcement, Corrosion monitoring and inspection, Corrosion failure analysis, Bacterial corrosion, Group workshops, Corrosion management , Quality assurance, Corrosion samples, Computer corrosion software, Corrosion films, Corrosion case histories

INTENDED FOR

*Inspection and corrosion engineers *Safety officers *Process engineers
*Environmental specialists *Mechanical engineers *Pipeline and piping engineers
*Chemists *Chemical engineers *Maintenance engineers *Design engineers *Staff of Government Agencies *Metallurgists *Utility engineers *Insurance assessors