

Duration: 3 Days

Fees: 26,000 Baht/ Person*

Training Sessions: 26 – 28 February 2018 (Bangkok)
8 – 10 August 2018 (Bangkok)

Suitable for:

Engineers, Architects, Mechanical Engineers, and Maintenance Staff

Objectives:

At the end of the course, you will be able:

- To explain the general wear and corrosion mechanisms
- To prevent components by environmental harmful and in-service degradation
- To select corrective action methods against wear and corrosion
- To evaluate the component failure and predicting a life time

Content:

INTRODUCTION

- Definition
- Metal degradation
- Metal properties

TYPES OF WEAR AND MECHANISM

- Adhesive wear
- Abrasive wear
- Surface fatigue
- Fretting wear
- Erosive wear
- Corrosion and oxidation wear

PROTECTION AGAINST WEAR

- Electroplating
- Anodizing
- Diffusion
- Metal spraying
- Hard facing

CORROSION PHENOMENA

- Galvanic corrosion
- Corrosion resistance
- Corrosion in passivated metals
- High temperature corrosion

CONTROL AND PROTECTION AGAINST CORROSION

- Surface treatment
- Cathodic protection
- Anodic protection

FAILURE ANALYSIS

- Mode of failure
- Fatigue fracture
- Bending fracture
- Torsional failure

TESTING AND EVALUATION

- Standards
- Wear and corrosion detection

* Excluding VAT - Published prices and schedules are subject to change without advance notification

* Registration fees are inclusive of lunch and coffee breaks