

**Duration:** 3 Days

**Fees:** 26,000 Baht / Person\*

**Training Sessions:**

2 – 4 May 2017 (Bangkok)

28 – 30 November 2017 (Rayong)

**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