

Duration: 2 Days

Fees: 17,500 Baht/ Person\*

Training Sessions: 19 – 20 April 2018 (Bangkok)  
18 – 19 October 2018 (Bangkok)

**Suitable for:**

Maintenance Engineers, Inspectors, QA/QC Engineers and Technicians

**Objectives:**

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

- To understand the properties of superalloys at elevated temperature
- To characterize microstructure, phases and carbide in the superalloys
- To explain the relationship of microstructure and mechanical property
- To identify the corrosion and degradation of superalloys at elevated temperature
- To select the suitable superalloys for the application

**Content:****INTRODUCTION**

- Introduction to Alloy Groups
- History of Superalloys
- Production of Superalloys

**Basic Metallurgy of Superalloys**

- Microstructure
- Types of Carbide
- Precipitation
- Strengthening

**Mechanical Properties at Elevated Temperature**

- Mechanical Property
- Creep
- Structure and Properties relationships

**Oxidation and Corrosion at Elevated Temperature**

- Oxidation
- Degradation
- Hot Corrosion
- Superalloys Coating

**Application of Superalloys and Case Study**

- Applications of Superalloys
- Microstructural Degradation
- Failure of Superalloys
- Selection of Superalloys
- Case study

**CONCLUSION**

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

\* Registration fees are inclusive of lunch and coffee breaks