

Introduction to MJB Training Centre

MJB is a large independent total service provider to owners and operators of industrial gas turbines worldwide, offering an employee skill base that equates to over 2000 man-years of OEM Experience in industrial turbine maintenance solutions, with particular specialisation in the frame range of turbines designed by GE and their former business and manufacturing associates.

MJB provides customers and gas turbine operators with an array of support services using advanced technological expertise in the repair and manufacture of gas turbine parts, field maintenance support and technical assistance.

MJB's facility houses and operates three state-of-the-art repair workshops which extends to over 25,000 m² with full capability to repair heavy industrial gas turbine stationary and rotating parts including FA & DLN Technology.

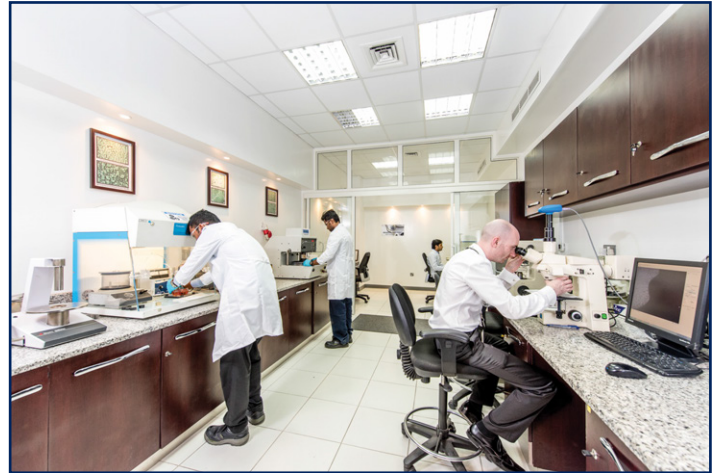
MJB has been providing technical training services for over 20 years. Our excellent instructor base has considerable experience in both the operations and maintenance of all types of rotating equipment having spent many man-years installing, commissioning and maintaining a range of machine types.

Conducting this course at our MJB workshop will allow delegates access to our laboratory and component inspection facilities such that they can gain a clear understanding of the processes used as regards the metallurgical assessment of component condition.



Technical Training Services

Component Metallurgy and Repair Processes Course



Course Objectives

To provide delegates with a detailed understanding of the metallurgical requirements of Gas Turbine components and associated repair techniques.

Course Description

Beginning with an overview of the principles of Metallurgy this course will then progress to discuss the main properties of the Alloys used within Gas Turbine components. Component inspection processes will be discussed together with an overview of metallurgical testing techniques and their uses in the Gas Turbine industry. Component inspection procedures will also be covered and the use of the electron microscopes in these assessment processes will be explained in order to provide an understanding of the various stresses within the component materials that could lead to failures. The course will then progress to discuss the main repair processes for each Gas Turbine component and the options as regards light/medium/heavy repairs.

Who Should Attend

This course is ideal for any mechanical engineer/technician or metallurgist requiring a detailed understanding of the metallurgy of Gas Turbine components and associated repair processes.

Course Outcome

At the end of this course delegates will have a good understanding of the basic principles of component metallurgy, component repair criteria (light, medium, heavy) and a detailed knowledge of the available component repair processes

Course Outline

Please see attached file.

Booking & Training Quotations

Masaood John Brown & MJB International

Tel: +971 4 8836319

Fax: +971 4 8836486

Email: training@mjbi.com