Consulting and Training | Reach New Heights

Course Name

Principles for Reliability Engineering

Sector Name

Maintenance & Reliability Management

Document Type

Generated by Boostlab

Click Here To Visit Course

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Consulting and Training | Reach New Heights

Principles for Reliability Engineering

Course Introduction

Facility management (FM) encompasses multiple disciplines to ensure functionality, comfort, safety, and efficiency of the built environment by integrating people, place, process, and technology. It plays a significant role in the success of an industrial facility. The facility manager is responsible for positioning the facility for success in terms of operations, safety, functionality, technology, and personnel management etc. Facility management is a big-picture responsibility that must be able to focus on and synthesize operational details across every function of the facility.

This training course is designed to provide students with designed a comprehensive and advanced concepts regarding facilities management within the engineering, production, facilities, and/or maintenance sectors, and the current trends in the different areas of facility management.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To Visit Course

Consulting and Training | Reach New Heights

Principles for Reliability Engineering

Target Audience

- ✓ Plant Reliability
- ✓ Planning
- ✓ Supervising
- ✓ Operations Engineers
- ✓ Maintenance Engineers
- ✓ Instrumentation Engineers
- ✓ Whoever else wishes to improve their knowledge and standing in reliability Engineering.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To Visit Course

BOOST
Consulting and Training | Reach New Heights

Principles for Reliability Engineering

Learning Objectives

- ✓ Have an overview of the concepts of facility management, facilities needs assessment, and current trends in the FM world
- ✓ Apply concepts and best practices that help advance organizational sustainability and optimize operations
- ✓ Identify maintenance requirements, be able to plan and schedule the maintenance of property and assets, and be able to carry out required maintenance activities
- ✓ Develop an effective Facility Management Plan • Improve service delivery and customer, supplier, and staff relations
- ✓ Learn and utilize effective maintenance management systems • Identify and apply risk management techniques

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To Visit Course

BOOST
Consulting and Training | Reach New Heights

Principles for Reliability Engineering

Course Outline

✓ 01 DAY ONE

The Principle of Reliability Engineering

- ✓ Reliability Engineering- Goals and their importance
- ✓ Reliability Vs Quality & Safety
- ✓ Overview of Tools
- ✓ Reliability Models

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

Principles for Reliability Engineering

Course Outline

✓ 02 DAY TWO

Introduction to Failures- Faults- Functions

- ✓ Metallurgical Failure Analysis
- ✓ Introduction to Condition Monitoring
- ✓ Predictive Maintenance
- ✓ Techniques of Condition Monitoring
- ✓ Machinery Diagnosis & Failure Analysis
- ✓ Determining when to prevent failure and when to allow failure to occur.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

Principles for Reliability Engineering

Course Outline

✓ 03 DAY THREE

Understanding RCM and the essential RCM Tools.

- ✓ Determining critical equipment and selecting the ones for RCM
- ✓ Calculating risks of failure involves studying the probability and severity of impact.
- ✓ Analyzing failure effects and accordingly deciding on the next action point
- ✓ Effective integration of RCM with equipment to ensure tangible results: Improving reliability and maintenance outcomes.
- ✓ Converting RCM into continuous maintenance improvement

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

Principles for Reliability Engineering

Course Outline

✓ 04 DAY FOUR

Benchmarking Maintenance Optimization Process to Overcome Gaps in your Maintenance Programmes.

- ✓ Operations Vs Maintenance: Aligning Operational Requirements with Maintenance Capabilities
- ✓ Managing high expectations and targets set by operations and supported by CRE techniques.
- ✓ The ultimate debate: Maintaining balance between equipment shutdown and continuing operations.
- ✓ Structuring innovative approaches to maximize equipment availability with effective CRE engineers.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

Principles for Reliability Engineering

Course Outline

✓ 05 DAY FIVE

Applying R.E. Methods to Ensure that Maintenance Strategy Contributes to the Company's Profit Margins

- ✓ Maintenance value: Adding business units in the organization.
- ✓ Ensuring maintenance contributes to revenue and profit generation by applying effective R.E.
- ✓ Allowing the flow of information between operations and maintenance to help decide on maintenance intervention.
- ✓ Outsource Maintenance Vs In-house maintenance: what works best for your organization?

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

Principles for Reliability Engineering

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 17, 2026	May 21, 2026	5 days	4250.00 $	KSA , Riyadh
Nov. 9, 2026	Nov. 13, 2026	5 days	5950.00 $	USA , Los Angeles
Jan. 18, 2027	Jan. 22, 2027	5 days	5950.00 $	USA , Texas
Sept. 21, 2026	Sept. 25, 2026	5 days	4250.00 $	UAE , Abu Dhabi

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

info@boostuae.com info@boostorg.com