



Workshop on Reliability Centered Maintenance: Principles, Planning & Applications

June 16 – 20, 2025, 1st Run: Lagos & Port Harcourt

December 8 – 12, 2025, 2nd Run: Lagos & Abuja

For Tutor -Led Class: 9am – 4:30pm

Workshop fee: N350, 000 per Participant

For online: Delivery via Zoom

Online course fee: N300, 000 per Participant

Available for In-plant Training

**700 USD for foreign
Participants**

Program Overview:

Reliability is a cornerstone of any maintenance process. Get it right and you can enjoy good safety performance, low running costs and a sustainably high production level at the right quality. Reliable plants are usually safer and cite a higher level of morale. Lose control of reliability and operations become less predictable, more chaotic and much more difficult to control. This is a highly practical course that includes the latest thinking in reliability improvement, how to gain maximum benefit for minimum effort and how to develop bespoke reliability strategies that will integrate effectively with other campaigns. This will include methods and tools as well as the Carcharodon Model of Excellence to add structure and enable participants to break this complex subject into smaller, more understandable parts.

Reliability is not the responsibility of maintenance alone and outstanding performance can only be achieved with a strategy that includes operations, design, materials and contractors. This course is based upon our Model of Excellence for bringing all these considerations together as one to achieve pace-setter standards.

For Whom:

This course is suitable for reliability engineers, maintenance managers, maintenance supervisors, planners, project managers, project engineers, operations managers, shift managers, operations supervisors and people who are in training for these positions. This course is also designed for contractors who want to contribute to the reliability performance of client assets.

Learning Objectives:

At the end of the program, participants will be able to:

- explain how pace-setters achieve outstanding reliability performance and how to use the Carcharodon Model of Excellence;
- develop reliability programs that align with the unique needs of their business, asset and maintenance strategies;
- analyze their current performance against best-in-class benchmarks;
- calculate potential fixed and variable cost reductions along with productivity, output, and product quality improvements, that can be delivered through reliability improvement;
- apply key reliability improvement methodologies and tools to improve reliability performance; and
- engage colleagues and consider the human factors required to support a high reliability culture.

Course Outline:

Day 1: Reliability and its role in the wider business context

- An introduction to reliability
- Calculating the value of cost reduction and increased production
- The impact of reliability on safety, quality and team morale
- Overall Equipment Effectiveness (OEE), an international model for measuring asset performance
- A definition of maintenance
- The move to asset management and the modern maintenance strategy
- Sources of reliability losses and the role of operations, design and procurement
- Contractors, materials and equipment
- The reliability pyramid

Human Capital Associates Global Consult Ltd is Accredited by Nigeria Council for Management Development (NCMD)

Lagos: Human Capital Associates Global Consult Ltd: Acme House 2nd Floor, Ogba Industrial Scheme, Ogba, Ikeja – Lagos

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Tel: Office Lines: Mon – Fri | 8am-5pm | +234-8051365946, +234-7087578814 (Office Lines)

24/7 Lines: +234-8068933608 (WhatsApp), +234-8029170491 & +234-8145745664(WhatsApp) & +234-9112830607

Day 2: Sources of best practice and models of excellence

- Reliability benchmarks
- The link between performance and reliability practices
- Where to look for best practice
- Case studies of pace setter methodologies
- A Model of Excellence for reliability
- Building a reliability focused supply chain
- Customer focused reliability

Day 3: Building a unique reliability strategy for your plant

- Base lining plant performance
- How to project the potential level of improvement?
- Calculating the benefits case
- How to focus on the most valuable priorities for any business
- Using the Define, Measure, Analyze, Improve and Control (DMAIC) methodology for structured performance improvement
- An end-to-end process for reliability improvement and asset life extension

Day 4: Reliability improvement tools

- Key principles of reliability centered maintenance, Total Productive Maintenance (TPM) and Six Sigma
- Using Root Cause Analysis to address historic failures
- Criticality analysis to prioritize reliability efforts
- Proactively avoiding future failures using Failure Mode Effect Analysis
- Reliability by design
- The 5S process for improving ergonomics and identifying issues
- An introduction to the Single-Minute Exchange of Die (SMED) process for reducing downtime to repair
- When to consider advanced software models
- Reliability focused shutdowns and turnarounds

Day 5: Sustaining improvements and tracking performance

- The impact of human factors on reliability performance
- Gaining buy in beyond just the maintenance team
- How to get people to own reliability?
- Developing a reliability culture
- The importance of data in performance improvement
- Reliability metrics
- Use of Pareto analysis
- Loss accounting and failure reporting
- Reliability roles and organizing for success

Training Methodology

Lectures, discussions, exercises, and case studies will be used to reinforce these teaching/learning methods.

LOCATIONS

1 - HCA Learning Centre. Acme House 2nd Floor, 23, Acme Road, Ogba, Industrial Scheme, Ikeja, Lagos, Nigeria

2 - Pearls Learning Hub, Plot 756, Opposite Divine Hand of God Ministry, Area 1, Garki, Abuja.

3 – Pakiri hotel Ltd., 4 Okwuruola Street, off Stadium Road, Rumuola, Port Harcourt, Rivers State.

Open Course Fee: N350, 000

In-plant Fee Negotiable

WORKSHOP FEE:

N350, 000 per participant, VAT –N26, 250

Note: this covers Workshop Fee, Tea/coffee break, Lunch, course materials and certificate of attendance.

Payment should be made into our Accounts:

Account Name: Human Capital Associates Global Consult Ltd.

Union Bank of Nig. PLC: Account No: 0097961537

First Bank of Nig. PLC: Account No: 2033683960

Keystone Bank Ltd.: Account No: 1007150325

**For Booking / Enquiry, Call: 234-8051365946, 234-7087578814
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