

LAGOS ARE YOU READY?

Session Dates:

August 3 - 7, 2020
November 2 - 6, 2020

February 1 - 5, 2021
May 3 - 7, 2021
August 2 - 6, 2021
November 1 - 5, 2021

Locations:

Ikeja, Lagos
Abuja, FCT TBD
PHC, Rivers TBD

Certified Maintenance & Reliability Professional

MAINTENANCE & RELIABILITY

Best practices masterclass plus
CMRP Certification Examination



Full Registration Fee:
N800,000 (\$3,500)

Early Bird Registration:
N685,000

Ends 4 Weeks Before Dates

Who Needs To Attend:

Plant Engineers/Managers || Maintenance Engineers/Managers
Team Leaders || Maintenance Supervisors
Asset Management Engineers/Specialists
Reliability Engineers/Managers || Maintenance Planners/Schedulers
Electrical/Automation Engineers || Process Engineers ||
Construction Engineers || Commissioning Engineers ||
Quality Engineers || Specialist Engineers || Maintenance Technicians

Learning Outcomes:

- Be able to develop and manage strategic plan for M and R.
- Be able to make a business case for M and R.
- Understand Business Finance as a Foundation for Managing Assets.
- Understand what world class is and what is benchmark
- Be able to carry out assets' decomposition, FMEA, critical spare parts listing.
- Understand the differences between being a leader and a manager.
- Understanding process control techniques for waste reduction

About The Certification:

The Certified Maintenance & Reliability Professional (CMRP) program is the #1 leading credentialing program for certifying the knowledge, skills and abilities of maintenance and reliability professionals. The CMRP is accredited by the American National Standards Institute (ANSI), which follows ISO standards for its accreditation and processes. Examining more than just textbook information, the CMRP is a thorough examination of a broader scope of expertise measured against a universal standard.

It was developed to assess professionals' aptitude within the 5 pillars of the CMRP BoK: Business Management, Manufacturing Process Reliability, Equipment Reliability, Organization & Leadership, and Work Management.



PROGRAM AGENDA

Day 1: Introduction to SMRP and CMRP BoK CMRP Pillar 1 - Business and Management

- * Creating strategic direction and alliances
- * Measuring performance-Balanced Scorecard, Metrics vs KPIs
- * Organizational Change Management-Supporters vs Resistors
- * Communications Management
- * Stakeholder Management
- * Risk Management
- * Making a Business Case for M & R
- * Business Finance-Budget and Budget Making- Budget Types, Capex and Opex,
- * Business Finance-Financial Terminologies, ROI Calculations-PBP, DPBP, CBR etc.
- * Managing EHS
- * Procurement & Contract Management

Day 2: CMRP Pillar 5 - Work Management

- * Maintenance Management Definition-From Reactive to Proactive
- * Intro to Asset Management-ISO 55000 Series
- * Understanding and Building Asset Registers-Asset Decomposition
- * Maintenance Work P and S-Prioritizing Work and Backlog Management etc.
- * Intro to Project Management-PMI PMP BoK
- * EAM vs CMMS
- * Managing MRO Storeroom
- * Measuring Work Performance-Work Management Metrics
- * Metrics Calculations and Visual Management

Day 3: CMRP Pillar 2 - Manufacturing Process Reliability

- Intro to Reliability Management
- * Reliability Definitions
 - * Quality Management-Deming PDCA Cycle, 7 Tools of QC, SPC, 6Sigma, ISO 9000 Series etc.
 - * Manufacturing Excellence -TPM, TQM etc.

Day 4: CMRP Pillar 3-Equipment Reliability

- * Reliability Definitions
- * Reliability Analysis Methods-RBDs, RAM, Weibull Analysis
- * Reliability Requirements - MTBF, MTTF
- * Equipment Performance and Gap Analysis-Equipment Metrics vs KPIs
- * Reliability Techniques-RCM, FTA, RCA, DFR, FMEA, FMECA, LCCA etc.
- * Lubrication Excellence
- * Condition Based Maintenance-PdM Techniques-UI, VA, IRT, OA, WPA, SPM etc.

Day 5: CMRP Pillar 4 - Organisation and Leadership + CMRP BoK Revision + Mock Exam

- * Lead and Manage People - Leader vs Manager vs Boss
- * Situational Leadership
- * Team Building and Management
- * Develop People-Skills Matrix, Training Plans, TNA, Training Types, Learning Pyramid, etc.
- * Understanding Org Structure and JDs
- * Capability Assessment
- * Conflict Management at Work
- * Days 1-4 Revision
- * Mock Exam Practice Session
- * Award of Attendance Certificates + Closing
- * CMRP Exam - Closed Book, 110 Multiple Choice Questions in 2.5Hours

LEAD TRAINER'S PROFILE



Mallam Ibrahim Lawal, FIMC, CMC, BEng'g, CMRP, CRE, is an engineering manager with more than 25 years field engineering and management experience in varied roles.

Ibrahim Lawal is the Founder and President of Beina Maintenance & Reliability Services, Nigeria through which he has developed and instructed many M&R best practices courses in Africa and Middle Eastern countries.

Through his efforts, more than 200 professionals have been CMRP, CMRT, CRE, CSSBB, CQEE certified in Africa and the GCC.

Mallam Ibrahim as he is fondly called, is a trained Maintenance & Reliability Systems Management Specialist, Automation Specialist, Project Management Specialist, and now a full time Reliability Management consultant & trainer.

Mallam Ibrahim has got vast knowledge & skills in Project Management, Asset and Facility Management, Predictive, Proactive and Preventive Maintenance, Continuous Process Improvements, Power & Energy Management, Electrical & Electronic Systems Automation, Training facilitation and Capability Development, Recruitment & Selection, Business Analysis amongst all with which he has helped a few Companies make millions of dollars of savings over the years.

Until recently, Mallam Ibrahim was the Country Engineering Reliability Manager for CCHellenic-Nigeria in which role he has utilized many reliability strategies & tools to improve performance of and optimizing costs.

An astute reader, he is a Fellow of Institute of Management Consultants, a Certified Management Consultant, holds a B. Eng'g degree in Electrical & Electronics from ABU Zaria, an abridged MBA from MSBM-UK, and an active member of NSE.

To show his love for M&R, he also has earned the prestigious professional reliability certifications of CMRP, CRE, & ARP.

Mallam Ibrahim is the founder of Nigeria's foremost M&R services & training companies, **Beina M&R Services Ltd.** and its capability development arm, **Beina Capability Academy (BCA) Africa**

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