



## **Workshop on Chiller Plant: Start-Up, Operations, Maintenance & Troubleshooting**

February 3 – 7, 2025, 1<sup>st</sup> Run: Lagos & Abuja

Jul 28 - Aug. 1, 2025, 2<sup>nd</sup> Run: Lagos & Port Harcourt

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 U\$D for foreign  
Participants**

### **Program Overview:**

This is a practical maintenance engineering training course enabling delegates from technical and production disciplines to understand the rudiments of functional responsibilities that guarantees high level of Chiller Plant availability and reliability. This 5-Day Course teaches the practicality of Chiller Maintenance in a most suitable manner ready for implementation and monitoring.

### **For Whom:**

This course is designed for all levels of Technical Personnel in the oil & Gas Industry as well as in Chemical and Process Industries but will greatly benefit Technical Personnel in charge of Production, Maintenance & Operations Engineers, Chiller Operators, Supervisors and Engineering Managers

### **Learning Objectives:**

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

- explain the concept of Chiller Plants and their applications;
- comprehend the derivation, calculation & application of reliability centered maintenance to Chiller Plants;
- measure the effectiveness and efficiency of Chiller Plant Maintenance functions;
- evaluate investment opportunities in maintenance engineering for Chiller Plants;
- make Chiller Plant availability and reliability based on production planning models;
- apply a cost-benefit analysis of Chiller maintenance activities with respect to production high level timing goals; and
- manage the uncertainty and risk in the maintenance of Chiller Plants.

### **Course Outline:**

#### **Day 1: The Chiller Plant: Definition, Concepts, And Principles & Designs**

- Pros and Cons of Various Maintenance Systems Applicable to Chiller Plant
- Chiller Plant Failure and Consequence Projections

#### **Day 2: Approaches to Chiller Plants Maintenance strategies**

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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- Systematic Approach to Chiller Plants Maintenance: MTTR, MTBF, FTE, etc. analysis
- Planning & Implementation of RCM for Chiller Plant
- Cost-Benefit Analysis of RCMS in Chiller Plant

### Day 3: RCM and Chiller Plant Standard Operating Principles

- How Chiller Plant maintenance has evolved
- Sources of best practice and benchmarking options
- The pitfalls of traditional maintenance practices
- Understanding where money should be invested and where money tends to be wasted
- The importance of Chiller Plant Maintenance planning

### Day 4: Improving Chiller Plant Reliability

- The relationship between fixed costs and maintenance performance
- A change in thinking
- Away from cost reduction or reliability or safety
- Towards cost reduction and reliability and safety

### Day 5: The modern Chiller Plant maintenance strategy and asset management

- Chiller Plant maintenance innovation and integration with operating teams
- Chiller Plant cost, risk and value engineering
- Auditing and assurance processes for compliance with Chiller Plant reliability processes
- Conforming with local legislation and relevant standards

### Training Methodology

Lectures, discussions, exercises, case studies, audio-visual aids 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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