



### **Construction & Building Envelope Inspection Workshop**

January 13 – 17, 2025, 1<sup>st</sup> Run: Lagos & Abuja

July 14 – 18, 2025, 2<sup>nd</sup> Run: Lagos & Port Harcourt

For Tutor -Led Class: 9am – 4:30pm

**Workshop fee:** N300, 000 per Participant

**For online:** Delivery via Zoom

Online course fee: N250, 000 per Participant

**Available for In-plant Training**

**700 U\$D for foreign  
Participants**

### **Program Overview:**

Inspection is observation of construction for conformance with the approved design documents. This training program will highlight and cover all the inspection & testing aspects for concrete and steel structure construction and building envelope. The training course will enable individuals, who are in the inspection and testing field or want to be a specialist inspector, to understand the nature and the importance of this function.

This training course will help the attendees to understand the types of inspection and testing involved in a construction project, which are mandatory to assure the quality of materials used as well as the workmanship.

### **FOR WHOM:**

This program is suitable to a wide range of professionals: Architects, Engineers, Practicing Building Construction Inspectors, Project Engineers, NDE Lab Personnel, Technicians and Technologists involved with building construction.

### **LEARNING OBJECTIVES:**

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

- \* apply testing and inspection techniques of engineering materials;
- \* manage workmanship in building construction;
- \* apply NDE for the steel and welding;
- \* inspect the finishing work activities; and
- \* acquire and apply testing and inspection skills on construction activities for conformance.

### **COURSE OUTLINE:**

#### **Day One: On-site Quality Management System & Inspection**

- Total quality management system
- What is inspection, why is inspection needed?
- What components require special inspection?
- What are the role and responsibilities of special inspectors?

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

### Day Two: General Inspection Guidelines

- Field inspectors, Earthwork inspection
- Concrete construction inspection,
- Structural masonry inspection
- Shotcrete inspection,
- Concrete NDT

### Day Three: Steel Structure Inspection Guidelines

- Structural steel inspection
- Anchor bolts, dowels, and hold-down system inspections
- Non-destructive testing
- Level II and level III NDE
- Welding inspector
- Fireproofing inspection
- Test method for determining concrete floor flatness and levelness (F-Numbers)
- Classification of soils for engineering purposes

### Day Four: Inspection Guidelines

- Part I - Soil Inspection Guidelines
- Field inspectors
- Soil inspection on site
- Earthwork inspection
- Asphaltic concrete inspection
- Part II - Architectural Inspection Guidelines
- What makes up the building envelope?

### Day Five: Architectural Work Inspection Guidelines

- Plastering and painting types and inspection
- Tiles materials inspection
- Exterior cladding systems
- Deck and below-grade waterproofing
- Doors, windows, and other wall penetrations
- Compatibility of building envelope components for blast resistance
- Review of work and closure.

#### 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: N300, 000**

In-plant Fee Negotiable

#### WORKSHOP FEE:

**N300, 000 per participant, VAT –N22, 500**

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**

**24/7 Lines: 234-8068933608, 234-8029170491, 234-8145745664, & 234-9112830607**

### Training Methodology

**Methodology:** Lectures, discussions, exercises, case studies, audio-visual aids will be used to reinforce these teaching/learning methods.

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