



# 2024 CAPACITY DEVELOPMENT TRAINING PROGRAM

## About the company

Cost Engineering and Project Controls Service Limited is a Cost Engineering Consultancy Company providing leading advisory services to clients on capital effectiveness. We provide research, benchmarking and consulting services to improve the performance of capital projects and project systems.

## Mission

Successful, Efficient and Effective Delivery of Capital Projects. Nations, organizations, families, and individuals grow by executing capital projects and programs successfully. Project that fail, quickly become "take-over" targets. The passion to deliver projects and programs successfully and efficiently led to the birth of CEPCS.

## Core Value

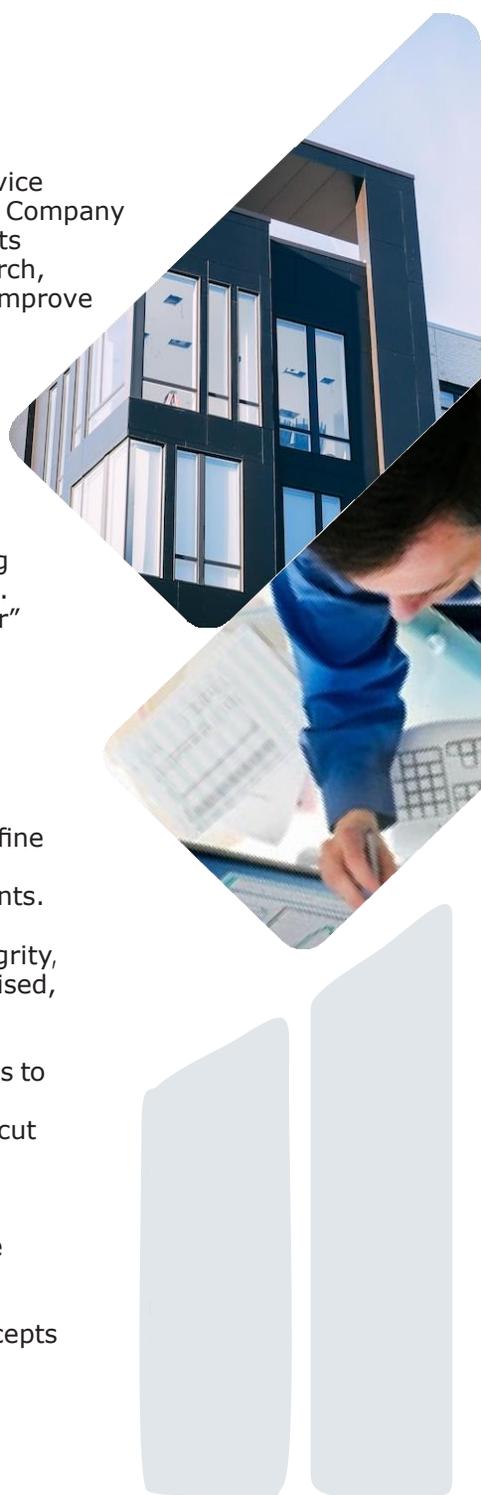
For CEPCS, values are everything. They define our relationships with one another as a company and our relationship with our clients.

**Integrity:** At CEPCS, we are people of integrity, and our words bind us. We deliver as promised, on schedule, and within your budget.

**Professionalism and Ethics:** CEPCS adheres to professional standards, and we maintain complete client confidentiality. We do not cut corners.

**Honesty:** Honesty drives us and we are truthful about the status of the projects we handle, no matter what.

**Transparency:** We deploy open-book concepts in managing projects.



# Meet the Principal Consultant

**Engr. Johnson Awoyomi**, has more than 30 years management experience in the oil sector. As a Certified Cost Professional and a Certified Estimating Professional (both by AACE International), he returned NETCO (a subsidiary of NNPC – where he was the Managing Director until February 12th, 2022) from a loss position of N1.76Billion in 2020 to over N4.2Billion profit before tax in December 2021. Until his retirement, he served as Owner Engineer for many NNPC capital projects some of which are: Upgrade of five NNPC jetties to International Ship and Port facility Security (ISPS) code specifications, Port Harcourt Refinery Rehabilitation Project, Ajaokuta Kaduna-Kano (AKK) gas pipeline project, the 4MW NNPC Headquarters power plant, the Atlas Cove Depot Optimization Project etc. As a Cost Professional, he developed and operationalized the NNPC Historical Cost Database. He was the immediate past Region 9 Director for AACE International for Europe and Africa, and immediate past President of Nigerian AACE International.

## PROFESSIONAL MEMBERSHIPS

- ▶ Fellow, Nigerian Society of Engineers (FNSE) – Registration No. 06344
- ▶ Registered Engineer, Council for the Regulation of Engineering in Nigeria (COREN) – Registration No.R.6149
- ▶ Fellow, Nigerian Society of Chemical Engineers (FNSChE) Registration No. M0549
- ▶ Member, Association for FOSHA, FIMC Advancement of Cost Engineering (AACE) International Professional Certifications
- ▶ Certified Cost Professional (CCP) by the Association for the Advancement of Cost Engineering (AACE) International
- ▶ Certified Estimating Professional (CEP) by the AACE International
- ▶ Project Management Profession (PMP)

## AWARDS RECEIVED

Engr. Awoyomi's wealth of experience and excellence in service delivery has not gone unnoticed, as he has been honoured with numerous awards and prominent recognitions some of which include:

- ▶ NNPC GMD Merit Award in 1995 at NETCO for single-handedly handling the design of Shell Petroleum Dev Co Uzere Tapioca Drying Facilities
- ▶ NNPC GMD Merit Award as the Most Valuable Soldier in the NNPC Fuel War Room, April 2010
- ▶ NNPC GMD Merit Award as the Most Innovative Soldier in the NNPC Fuel War room, April 2010
- ▶ NETCO MD merit Award 1995

## PREVIOUS POSITION OCCUPIED

- ✓ Ex-STA Honourable Minister of State Petroleum Resources, Nigeria
- ✓ Ex Region 9 Director for AACE Int (for Europe and Africa)
- ✓ Ex GGM NNPC Engineering and Technology Division
- ✓ Ex-MD NETCO (one of the NNPC companies)



<b>January</b>	<b>Abuja &amp; Lagos</b>	<p><b>CCT/CST:</b> Cost Engineering Certifications</p> <p><b>CEPM:</b> Cost Engineering and Project Management</p>
<b>February</b>	<b>Abuja &amp; Lagos</b>	<p><b>APM:</b> Advanced Project Management, Project Planning, Scheduling, Cost Engineering and Risk Management</p> <p><b>BWPC:</b> Bidding and Winning Project &amp; Contracts Competitively and Profitably – Principle and Practices</p> <p><b>BCRA:</b> Building Culture of Resilience and Adaptability at Par With Standards &amp; Practices in the global oil &amp; Gas Industry</p>
<b>March</b>	<p><b>Lagos</b></p> <p><b>Lagos</b></p> <p><b>Lagos</b></p>	<p><b>CCP/CEP:</b> Professional Cost Engineering certifications</p> <p><b>PSDA:</b> Planning &amp; Scheduling, Cost Estimate Review, Validation and Benchmarking for <b>Decommissioning &amp; Abandonment</b> projects – Principles and Practices.</p> <p><b>CEB:</b> Capital Cost Estimating, Review Validation and Benchmarking</p>
<b>April</b>	<p><b>Lagos</b></p> <p><b>Lagos</b></p> <p><b>Abuja</b></p> <p><b>Abuja</b></p>	<p><b>PCPS:</b> Project/Construction Planning &amp; Scheduling</p> <p><b>CCT/CST:</b> Certified Cost Engineering Certifications</p> <p><b>CCP/CEP:</b> Professional Cost Engineering certifications</p> <p><b>APM:</b> Advanced Project Management, Project Planning, Scheduling, Cost Engineering and Risk Management</p>
<b>May</b>	<p><b>Abuja</b></p> <p><b>Abuja</b></p> <p><b>Lagos</b></p> <p><b>Abuja</b></p>	<p><b>CEB:</b> Capital Cost Estimating, Review Validation and Benchmarking</p> <p><b>PCPS:</b> Project/Construction Planning &amp; Scheduling</p> <p><b>CCT/CST:</b> Certified Cost Engineering Certifications</p> <p><b>BWPC:</b> Bidding and Winning Project &amp; Contracts Competitively and Profitably – Principle and Practices</p>
<b>June</b>	<b>Lagos</b>	<p><b>PSDA:</b> Planning &amp; Scheduling, Cost Estimate Review, Validation and Benchmarking for <b>Decommissioning &amp; Abandonment</b> projects – Principles and Practices.</p> <p><b>PCPS:</b> Project/Construction Planning &amp; Scheduling</p>

Date & Venue		Course Title
<b>July</b>	<b>Lagos</b>	<b>APM:</b> Advanced Project Management, Project Planning, Scheduling, Cost Engineering and Risk Management
	<b>Lagos</b>	<b>CEB:</b> Capital Cost Estimating, Review Validation and Benchmarking
<b>August</b>	<b>Lagos</b>	<b>BCRA:</b> Building Culture of Resilience and Adaptability at Par with Standards & Practices in the global oil & gas industry
	<b>Abuja</b>	<b>CCT/CST:</b> Cost Engineering Certifications
	<b>Abuja</b>	<b>CEB:</b> Capital Cost Estimating, Review Validation and Benchmarking
	<b>Abuja</b>	<b>APM:</b> Advanced Project Management, Project Planning, Scheduling, Cost Engineering and Risk Management
<b>September</b>	<b>Lagos</b>	<b>CCP/CEP:</b> Professional Cost Engineering Certifications
	<b>Lagos</b>	<b>APM:</b> Advanced Project Management, Project Planning, Scheduling, Cost Engineering and Risk Management
	<b>Abuja</b>	<b>CEB:</b> Capital Cost Estimating, Review Validation and Benchmarking
	<b>Abuja</b>	<b>PSDA:</b> Planning & Scheduling, Cost Estimate Review, Validation and Benchmarking for <b>Decommissioning &amp; Abandonment</b> projects – Principles and Practices.
<b>October</b>	<b>Lagos</b>	<b>CCP/CEP:</b> Professional Cost Engineering certifications
	<b>Abuja</b>	<b>APM:</b> Advanced Project Management, Project Planning, Scheduling, Cost Engineering and Risk Management
	<b>Lagos</b>	<b>CEB:</b> Capital Cost Estimating, Review Validation and Benchmarking
<b>November</b>	<b>Abuja</b>	<b>CEB:</b> Capital Cost Estimating, Review Validation and Benchmarking
	<b>Abuja</b>	<b>PCPS:</b> Project/Construction Planning & Scheduling
	<b>Lagos</b>	<b>CCT/CST:</b> Certified Cost Engineering Certifications

Lagos

**APM:**

Advanced Project Management, Project Planning, Scheduling, Cost Engineering and Risk Management

December

Lagos

**APM:**

Advanced Project Management, Project Planning, Scheduling, Cost Engineering and Risk Management

Lagos

**CEB:**

Capital Cost Estimating, Review Validation and Benchmarking

### CEPCS' SERVICES AND PRODUCTS

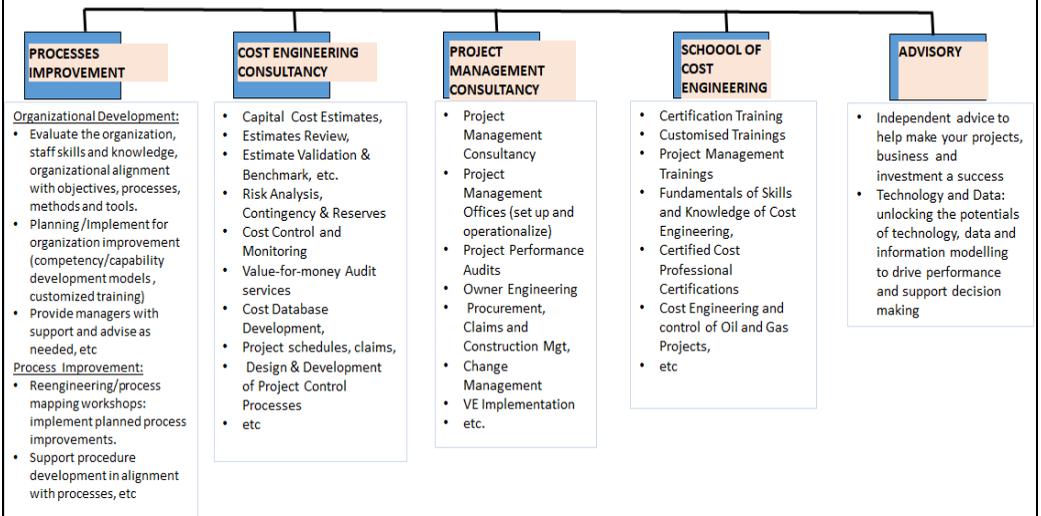


Figure 1: CEPCS List of Products and Services

## LIST OF OUR TRAINING PROGRAM:

The summary list of our capacity development program for the year 2024 is as listed below:

- a) Advanced Project Management- Project Planning, Scheduling, Cost Engineering and Risk Management - APM
- b) Capital Cost Estimating: Its Preparation, Review, Validation and Benchmarking - Principles and Practices Training Program – CEB
- c) Project Constructing Planning and Scheduling Training Program- PCPS
- d) Cost Engineering Certification Training Packages – CCP, CEP, PSP and EVP
- e) Cost Engineering and Project Controls Training - CEPC
- f) Project Changes & Claims Management for EPC Capital Projects- Principles and Practices - PCCM
- g) Bidding and Winning Projects Competitively and Profitably - BWPC
- h) Cost Benchmarking Capacity Building (of Capital Projects) -Principles and Best Practices
- i) Cost Engineering and Project Management Training Programs (4 Levels) – CEPM
- j) Controlling the Cost of Crude Oil Production in a developing economy- CCCO
- k) Building a Culture of Resilience and Adaptability at par with standards and practices in the global oil and gas industry - BCRA
- l) Planning & Scheduling, Cost Estimate Preparation and Review of Abandonment and Decommissioning Projects - PSAD

### Course description:

#### Advanced Project Management- Project Planning, Scheduling, Cost Engineering and Risk Management (APM)

This is one program that incorporates project management principles with the project control best practices. The key objectives include:

- Demonstrating the knowledge and techniques for successful project delivery – on track, on-schedule and below budget.
- Gaining knowledge of techniques used in project estimating, from the conceptual stage to the final detailed estimate.
- Understanding the different types of estimates used to give confidence and progressively estimate project costs and schedule. Demonstrating the knowledge and techniques of capital project cost review/validation and benchmarking
- Identifying risk sources and minimize their impact and learn how to sustain project momentum.
- Developing effective performance monitoring and control systems - An integrated approach to scope, time, resources and cost management into a dynamic and manageable mode.
- Domiciling both Advanced Project management & Cost Engineering capacity and capability within your Organization and thus, enhance its delivery of the PIA mandates with respect to your Organization's Profit and Loss.

**Schedule and Venue:** Can be scheduled at clients' place of preference and timings

## Course description:

### Bidding and Winning Project & Contracts Competitively and Profitably- Principles and Practices (BWPC)

This is one program that is indispensable to contractor-organizations and all service providers that compete to win contracts and project both in the oil and non-oil sector. The program exposes the nitty – gritty of the leading practices and principles in bidding and winning jobs competitively and execute same profitably. The key objectives include:

- Empowering the indigenous companies – contractors, suppliers, service providers, etc on how to bid and win medium, large and complex competitive and profitably in the areas of:
  - ✓ Bid packaging
  - ✓ Bid cost estimate (bid price)
  - ✓ Charge-ins Vs Charge-out concept
  - ✓ Bid schedule
  - ✓ Amount of contingencies & allowances, etc
- Demonstrating to the participants how to competitively estimate the bid prices (covering -direct, indirect, overheads, allowances, fees, profits and markups) as well as the project schedule plus reserves
- Sharing best practices on overheads recovery, escalation and mark-ups, Unbalanced & competitive bidding, bid hit ratio, customer retention, etc.

**Schedule and Venue:** Can be scheduled at clients’ place of preference and timings

## Course description:

### Building a Culture of Resilience and Adaptability at Par with Standards and Practices in the Global Oil & Gas Sector (BCRA)

This is one program that is really needed in times like this – when there are so many disruptions happening on daily basis across globed. The program will afford the participants the opportunities in gaining knowledge and techniques used in building a culture of resilience and adaptability for organizational survival. The program will demonstrate the deployment of the global standards and practices in the oil sector with relevant case studies on:

- ✓ Capital projects delivery
- ✓ Cost and schedule aware
- ✓ Risk management
- ✓ etc

**Schedule and Venue:** Can be scheduled at clients’ place of preference and timings

## Course description:

### Planning & Scheduling, Cost Estimate Preparation, Review And Benchmarking for Abandonment And Decommissioning Project (PSAD)

This is one program that is a-must for the oil and gas companies for the panning for Decommissioning and Abandonment work scope of their facilities according to the PIA mandates – Section. The program will showcase both the leading practices and principles in the planning & scheduling and estimating work scopes for their Decommissioning and Abandonment projects.

This course provides a comprehensive grounding in cost estimation, planning and scheduling good practices; how these apply to Abandonment and Decommissioning Projects in oil and gas, and why adoption is of strategic importance in financial planning and cost control.

By the end of this training course, participants will learn to:

- Differentiate between both methods of cost estimation and classes of estimate
- Build a comprehensive Basis of Estimate using Good Industry Practice
- Appreciate levels of accuracy and their implications
- Identify common risks of cost overrun in well abandonment and how to manage them
- Build both probabilistic and deterministic estimate for the same work scope
- Utilize cost estimation, planning and scheduling as tools for cost control

**Schedule and Venue:** Can be scheduled at clients’ place of preference and timings

## Course description:

### Project & Construction Planning and Scheduling (PCPS)

Large percentage of construction projects finish late, costing billions of dollars to owners and contractors and tarnishing reputations along the way. In this course, you will learn concepts and valuable tips for successful time management of construction projects. We will start with the understanding why scheduling is vital to the success of the project. You will learn about the critical path method and go deep on concepts, definitions, and calculations. You learn what steps are needed to create a good project & construction schedule and how schedules tie with a total project management effort. We will also cover valuable tips for scheduling and managing successful projects.

This course is essential not only to professionals in project controls but to all whose roles involved in a construction project whether they are representing the owner, the designer and the contractor.

**Schedule and Venue:** Can be scheduled at clients’ place of preference and timings.



## Course description:

### Project Changes & Claims Management for Capital EPC Projects - Principles and Practices (PCCC)

The course will expose the participants to some deeper perspectives with respect to the principal elements of claims—its cause, responsibility, and quantum. The participants will also learn how 'cost and time' impacts are quantified and how they can effectively participate in claim presentation, review, negotiation, and various dispute resolution forums. Furthermore, they will get better equipped with best practices and strategies to successfully manage their respective project claims.

This is a special program that is specifically developed for capital project owners like your organization in order to minimize impacts of claims on the project benefits.

The key objectives of the programs include the followings:

- ✓ Knowing how and why claims arise in projects and what can be done to prevent them
- ✓ Understand the risks of misalignment with scope of work, improper change management, incorrect contract type and failure to consider scheduling constraints in the contract.
- ✓ Understand the outcomes of claims in different scenarios and how to navigate complex claims and disputes.
- ✓ Understand Construction claims from both an owner and contractor perspectives
- ✓ Have perspectives of real life "war-stories/case studies" in Construction Claims and the lessons learned from each case

**Schedule and Venue:** Can be scheduled at clients' place of preference and timings.



## Course description:

### Capital Projects, Cost Engineering and Risk Management

#### Program Objectives

The main objectives include:

- Develop a sound understanding of principles, methodologies and best practices of cost engineering and project controls not limited to Forecasting, Planning, Scheduling, Cost Estimating and Cost Controls
- Understand the project life cycle, project stage-gate systems and values of project controls and cost engineering
- Understand the principles and methodologies project risk analysis, risk management, develop contingency plans and conduct quantitative cost & schedule risks analysis
- ✓ Understand the methodologies of earned value management analysis and reporting

**Schedule and Venue:** Can be scheduled at clients' place of preference and timings

## Course description:

### Capital Projects' Cost Estimating, Cost Benchmarking and Validation (CEB)

#### Program Objectives

This program will let the attendees know how to prepare and review and benchmark both their own capital cost estimates and 3rd party own.

The key objectives include:

- To learn how to prepare various classes of capital project cost estimate having various degree of project maturity
- Understand the best practices of capital project cost estimate review, validation and benchmarking
- To strengthen the attendees organizations' internal cost control mechanism - through deployment of the following cost engineering best practices:
  - ✓ Cost Estimating, Cost Estimate Review
  - ✓ Cost Estimate Validation and Benchmarking

The learning point covers:

- Challenges facing cost estimating as a profession and Cost estimators and walk-arounds such.
- Capital Cost Estimation preparation processes of different classes of cost estimate
- How to review, validate and benchmark own and 3rd party cost estimate
- Archiving of historical project data

Schedule and Venue: Can be scheduled to meet clients' preference of choice of venue and timings.

What are you waiting for? Get in touch with us: [info@cengpcs.com](mailto:info@cengpcs.com), +2348037280068



## Course description:

### Cost Engineering Certification Programs: Certified Cost Professional, (CCP) and Planning & Scheduling Professional (PSP), Certified Estimating Professional (CEP) and Earned Value Professional (EVP)

We provide preparatory classes for the following Cost Engineering certifications of the AACE Int:

- ✓ Certified Cost Professional, (CCP) Certified Estimating Professional
- ✓ Planning & Scheduling Professional (PSP),
- ✓ Earned Value Professional (EVP)
- ✓ Certified Cost technician (CCT) and
- ✓ Certified Scheduling Technician (CST)

The major goal of cost engineering certification is to recognize skilled professional in the cost engineering industry.

A CCP is an experienced practitioner with advanced knowledge and technical expertise to apply the broad principles and best practices of Total Cost Management (TCM) in the planning, execution and management of any organizational project or program.

A CEP is a professional with vital expertise to contribute to the economic evaluation of potential projects by supporting the development of budgets, project resource requirements and value engineering.

A PSP is a skilled planning and scheduling professional with advanced experience in project planning, and developing, monitoring, updating, forecasting and analyzing integrated project schedules.

An EVP is a practitioner of Earned Value with demonstrated mastery of contract language as it relates to Earned Value application, the organization of a project's scope into meaningful structure for execution; planning scheduling and budgeting the project work from initiation through close out using an integrated cost/schedule tool, etc.

Benefits of becoming Certified Cost Professionals:

- ✓ AACE Certification is versatile - Is mark of distinction
- ✓ Sure means of getting a better and well paid job (Certified cost professional earn 20% more than non-certified)
- ✓ Leads to more career opportunities; surest way to 'jappa' (to secure overseas employment)
- ✓ Confirms your skills are current and demonstrate initiatives
- ✓ It enhances your professional image.
- ✓ Improves your skills and knowledge of cost engineering Helps you master key industry competencies
- ✓ Grants you professional credentials

Schedule and Venue: Can be scheduled to meet clients' preference of choice of venue and timings

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## Course description:

### Junior Cost Engineering Certifications: Certified Cost Technician (CCT) & Certified Scheduling Technician (CST)

The major goal of cost engineering certification is to recognize skilled professional in the cost engineering industry. There are two early –career professional certifications- Certified Cost Technician (CCT) and Certified Scheduling Technician (CST); who are working to gain the requisite years of experience, to become a Certified Cost Professional or a Planning and Scheduling Professional.

A CCT is an individual who has demonstrated proficiency in the basic skills and knowledge of total cost management.

A CST is an individual who has demonstrated proficiency in the general skills and knowledge of the scheduling process within the Total Cost Management (TCM) framework.

Benefits of becoming Certified Cost Professionals:

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- ✓ Is mark of distinction
- ✓ Sure means of getting a better and well paid job (Certified cost professionals earn 20% more than non-certified)
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**Schedule and Venue:** Can be scheduled to meet clients' preference of choice of venue and timings

## **LIST OF OTHER CEPCS PRODUCTS AND SERVICES**

### **Our range of services cover:**

- ✓ Project Management Consultancy services
- ✓ Cost Engineering Consultancy services
- ✓ Value-for-Money audits
- ✓ Claims and change Management
- ✓ Capital cost estimate,
- ✓ Cost Database development and operationalized, etc.

## **LIST OF CEPCS' CLIENTS**

### **The current growing list of our clients include:**

- ✓ Nigerian Content Development Monitoring Board (NCDMB)
- ✓ Nigerian National Petroleum Company (NNPC) Limited  
NUIMS, NGIC, KRPC, WRPC, PHRC, NETCO, etc.
- ✓ West African Gas Pipeline Company (WAGPCo)
- ✓ Ministry of Petroleum Resources
- ✓ Petroleum Technology Development Fund
- ✓ Nigerian Upstream Petroleum Regulatory Commission (formerly DPR)
- ✓ BEAMCO
- ✓ ALCON
- ✓ Petronat
- ✓ AGMC
- ✓ Lattejay Nig Ltd, etc

### **The scope of services rendered for the above-mentioned clients include:**

- ✓ Project management and Cost engineering consultancy services
- ✓ Cost estimating and benchmarking services
- ✓ Claims management review services
- ✓ Cost engineering capacity development training seminars and project management capacity development training seminars
- ✓ Cost engineering certifications training programs

Please, accept the assurance of our esteemed regards.

**Engr. Johnson Awoyomi**, FNSE, FNSChE, FOSHA, FIMC, CCP, CEP, PMP

**The Principal Consultant**



## Books written by the Principal Consultant





**Cost Engineering  
& Project Control Services**

**1A, The Morning Dew Court,  
25, Yemi Adetayo  
Street, Iroko Awe, Ilesan, Lekki, Eti-Osa  
LGA Lagos, Nigeria.**

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*Helping Owners to deliver their capital project successfully*