



COMPANY'S BROCHURE

# COST ENGINEERING AND PROJECT CONTROL SERVICES LIMITED

*Helping Owners to deliver their capital project successfully*



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## 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.



**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 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

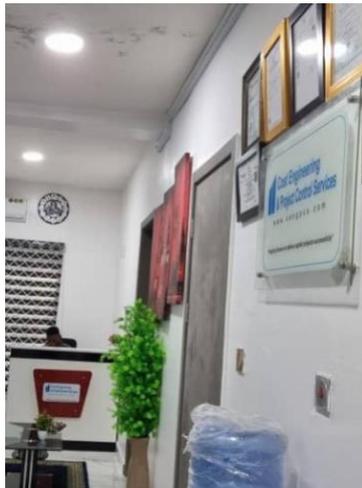
- ◀ Fellow, Nigerian Society of Engineers (FNSE) – Registration No. 06344
- ◀ Registered Engineer, Council for the Regulation of Engineering in Nigeria (COREN) – Registration No.R.6149
- ◀ Fellow, Nigerian Society of Chemical Engineers (FNSChE) Registration No. M0549
- ◀ Member, Association for FOSHA, 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





## Name:

Cost Engineering and Control Service Limited

## Office Address:

25 Yemi Adetayo Street,  
Ilasan, Lekki, Eti-Osa LGA, Lagos.

## Website:

[www.cengpcs.com](http://www.cengpcs.com)

## Email:

[info@cengcs.com](mailto:info@cengcs.com)

## Telephone:

0803-728-0068

## Our Bankers

Guaranty Trust Bank Plc, Ademola Adetokubo, Victoria Island, Lagos.

## Mandate



Develop In-Country capacity  
On cost engineering and  
project services



Provide cost engineering,  
project controls and project  
management service



Generates Revenue for  
stakeholders

**The focus is "Domiciliation" and "Domestication" of COST ENGINEERING EXPERTISE AND CAPACITIES in-country**

## Mandate Cont'd

Do you suffer from poor margins due to following an inconsistent project management methodology?

Are your project delivery and engineering design teams misaligned with key events in your supply chain, causing them to miss contractual milestones? Is this affecting your revenue and margin negatively?

Are you poor at estimating future projects cost estimates and schedules leading to excessive management reserves and consequently cost overruns?

Are you poor in coming up with reliable project schedules leading to schedule slippages?

Are you seeking accurate and real time data to help you make more comprehensive and strategic decisions?

Are you willing to develop your workforce to become certified cost professionals and deliver your projects successfully?

Please, get in touch with us at: [info@cengpcs.com](mailto:info@cengpcs.com)



AACE Certification (Certified Estimating professional)



AACE Certification (Certified Cost professional)

## Full Project lifecycle supports:

The successful delivery of capital projects ( oil & gas, non-oil, infrastructures, renewables, etc.) is key to meeting the demand for energy security as well as infrastructural gaps in the globe today. The challenge is not only about selection of right projects, but they must be delivered to agreed scope, safely, on-time and below-budget. CEPCS approach focuses on the deliverables required at every stage of the project life-cycle:

### PRE-FINAL INVESTMENT DECISION (FID):

Assess and Select- At Pre-FID our scope of services focus on building the right capabilities and strategies (for project contract) and establishing the right baselines. This includes:

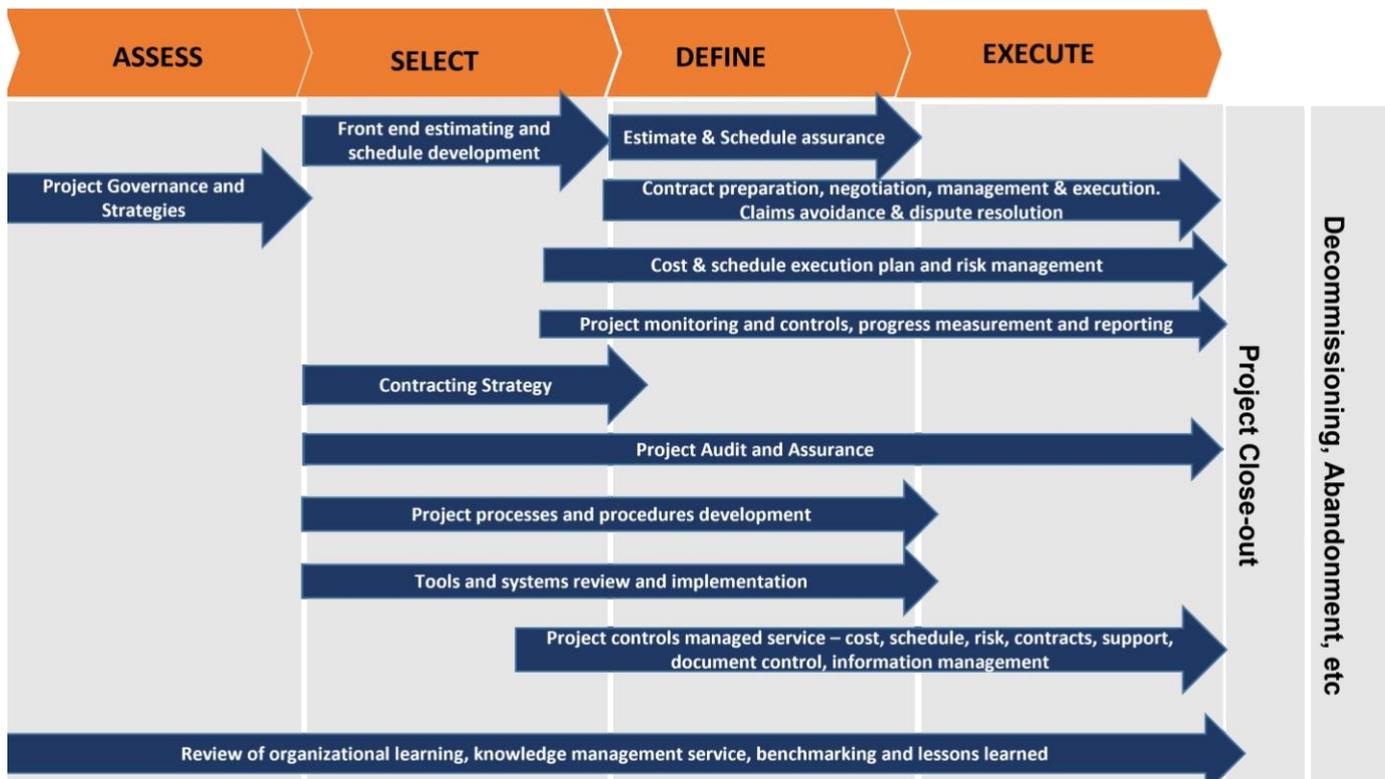
- Developing project governance procedures to ensure good project controls
- Establishing robust scope, cost and schedule baselines
- Risks and opportunities management including quantitative risk analysis of your estimate and schedule (for contingencies and schedule reserves)
- Independent audit, benchmark and assurance to provide confidence your project will achieve FID

### POST-FID – DEFINE AND EXECUTE:

As soon as the FID has been achieved, the focus moves to execution, delivering safety, compliantly and meeting cost, schedule and performance expectations. The focus is achieving an environment of 'no surprises' via robust risk and change management, effective cost monitoring and control with a strong understanding of measuring plan against actual.

### PROJECT CLOSE-OUT:

As the project moves towards its conclusion, CEPCS Close-out service captures project data, gathers lessons learned and collates the performance data that is essential to support future success



## PROCESS IMPROVEMENT

### Organizational Development:

- Evaluate the organization, staff skills and knowledge, organizational alignment with objectives, processes, methods and tools.
- Planning /Implement for organization improvement (competency/capability development models , customized training)
- Provide managers with support and advise as needed, etc

### Process Improvement:

- Reengineering/process mapping workshops: implement planned process improvements.
- Support procedure development in alignment with processes, etc

## COST ENGINEERING CONSULTANCY

- Capital Cost Estimates,
- Estimates Review,
- Estimate Validation & Benchmark, etc.
- Risk Analysis, Contingency & Reserves
- Cost Control and Monitoring
- Value-for-money Audit services
- Cost Database Development,
- Project schedules, claims,
- Design & Development of Project Control Processes
- etc

## PROJECT MANAGEMENT CONSULTANCY

- Project Management Consultancy
- Project Management Offices (set up and operationalize)
- Project Performance Audits
- Owner Engineering
- Procurement, Claims and Construction Mgt,
- Change Management
- VE Implementation
- etc.

## SCHOOL OF COST ENGINEERING

- Certification Training
- Customised Trainings
- Project Management Trainings
- Fundamentals of Skills and Knowledge of Cost Engineering,
- Certified Cost Professional Certifications
- Cost Engineering and control of Oil and Gas Projects,
- etc

## ADVISORY

- Independent advice to help make your projects, business and investment a success
- Technology and Data: unlocking the potentials of technology, data and information modelling to drive performance and support decision making



## Basic

- Introduction to Skills & Knowledge of Cost Engineering,
- Fundamentals of Cost Estimating
- Fundamentals of Project Controls
- Introduction Total Cost Management

## Intermediate

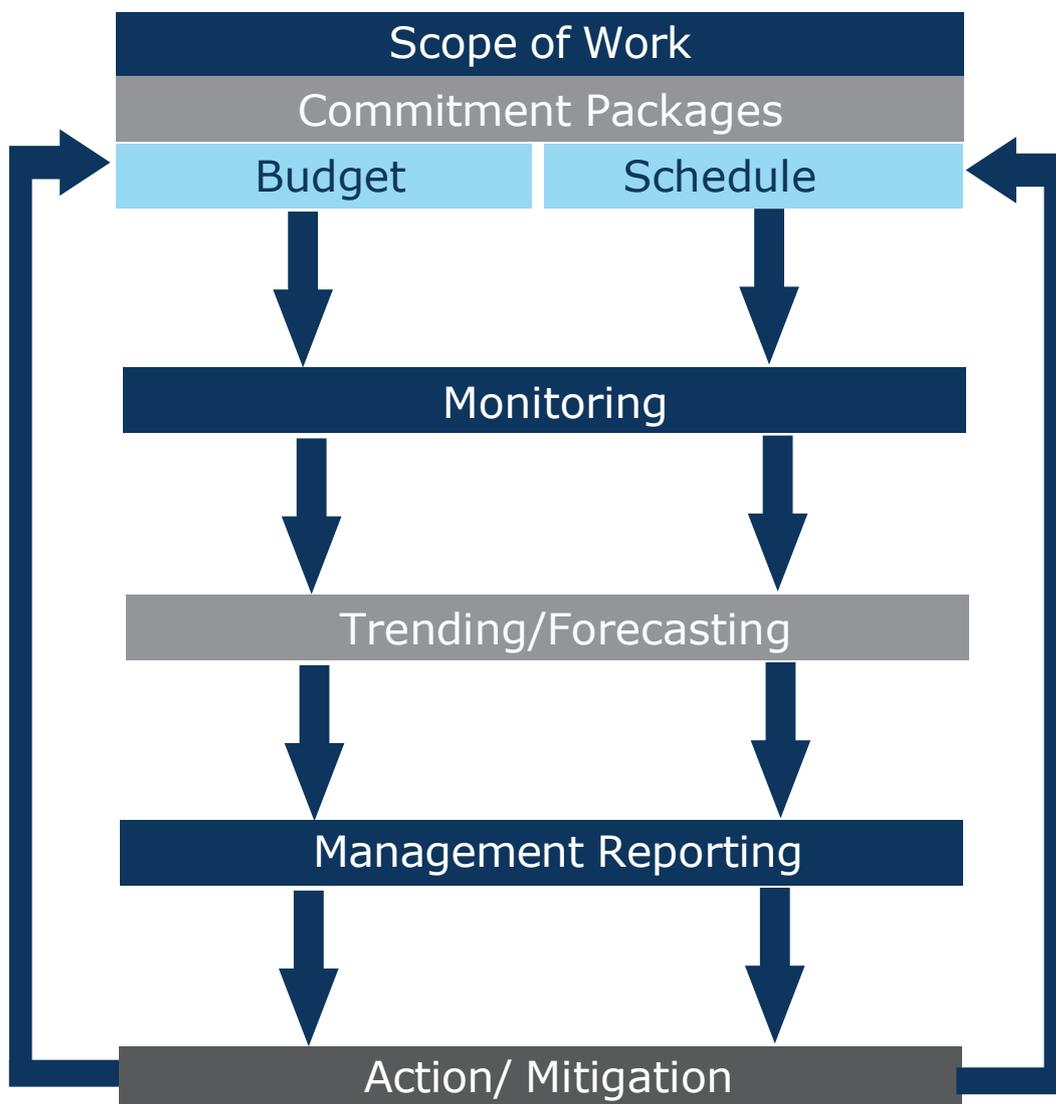
- Change management in Oil and Gas projects
- Scope and Schedule Management of CAPEX
- Certified Cost Technician (CCT)
- Certified Scheduling Technician (CST)

## Professional

- Certified Cost Professional (CCP)
- Certified Estimating Professional (CEP)
- Planning and Scheduling Professional (PSP)
- Earned Value Professional (EVP)



- Cost Control and Monitoring of capital projects in oil and gas
- Value for Money Audit Services
- Historical Project Cost Database Implementation
- Preparation/Review/Benchmark of Capital Project Cost Estimates including 3rd party estimates
- Set up owner Cost Engineering Units
- Preparation of project schedules
- Claims & Negotiations



## What we do?

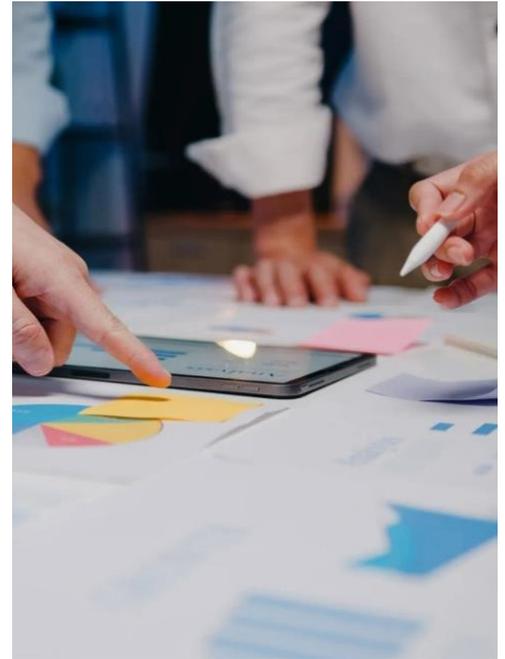
• Upon award of the project, CEPCS will emplace a robust monitoring system on:

- a) risk
- b) scope,
- c) schedule
- d) quality
- e) budget
- f) etc

(Baselines - we compare with 'actuals' and note 'deviations')

- CEPCS will provide detailed periodic project performance report highlighting key issues and ways forward for schedule recovery in case of slippage, etc
- This will enable you to be on top of the project
- Without emplacing a robust monitoring and control, the best project estimate and schedule will run bankrupt in no time

We provide 'value for money audit' services to ensure win-win



## Cost Monitoring, Reporting and Control

### COST REPORTING

#### OPMT of Today (Re-active)

- No independent Reporting
- Copy & paste contractors report
- Defending contractors claims
- Justifying Bogus OPMT Expense
- etc

WHAT HAPPENED?

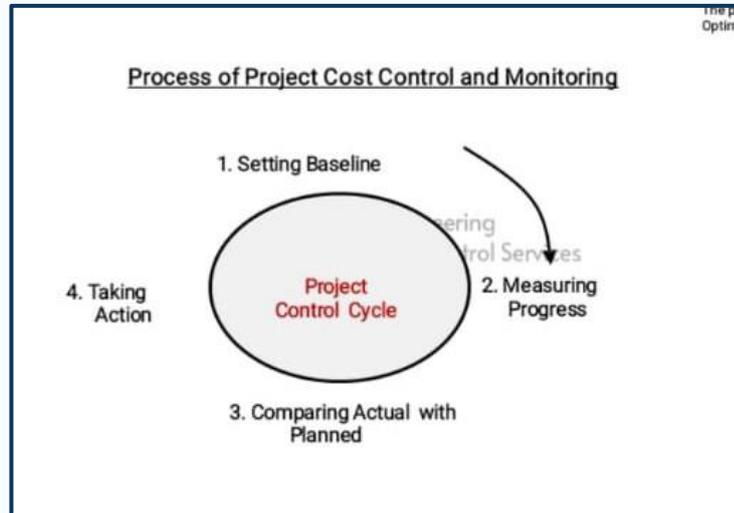
### COST MONITORING & CONTROL

#### Target OPMT (pro-active)

- Trending
- Forecasting
- Earned Value
- Change management,
- Cost Monitoring/Controls,
- etc

WHAT IS HAPPENING AND  
WHAT WILL HAPPEN?

## Cost Monitoring, Reporting and Control



## Performance measurement why?

- Best plans – schedule, cost estimate, risk, etc without proper performance management, you balloon your project budget, and your project gets belly-up and eventually become bankrupt – failed project.
- Therefore, one of the Project Management best practices is Performance Measurement encompassing:
  1. Progress/Schedule measurement, reporting and control
  2. Cost Management, Forecasting & Trending, reporting and control
  3. Close-Out Report and Archiving; Historical Database
- Earned-Value Management (EVM) – a preferred option

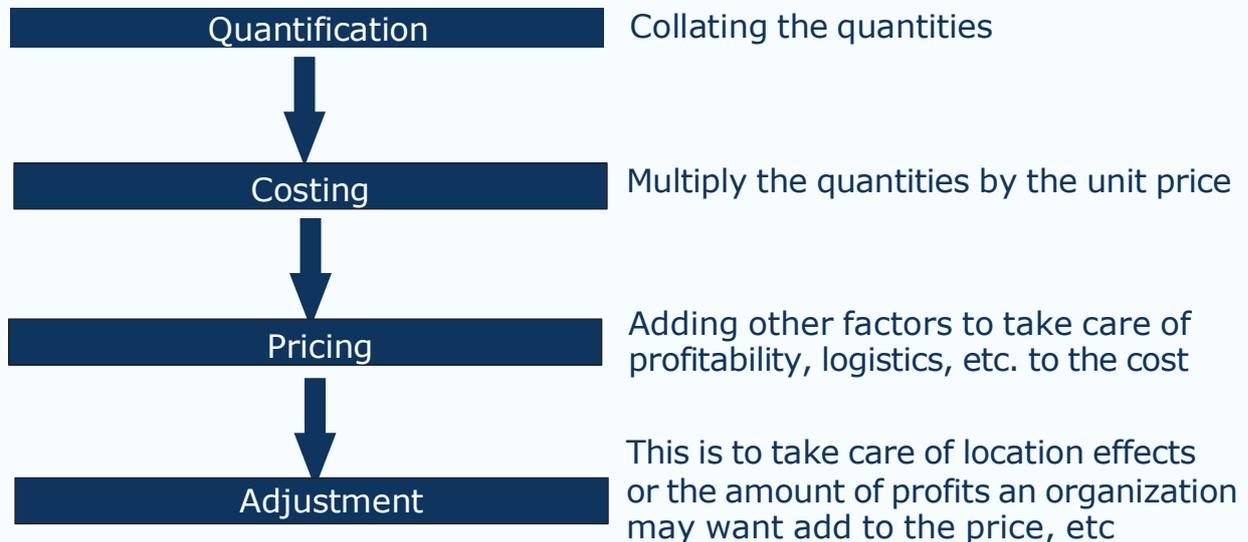
## Sustainability

Sustainability is meeting the needs of the present generation without compromising future generations' ability to meet their needs. The concept of sustainable development is a compromise between growth and conservation. Many global businesses and governments have committed to sustainable goals such as reducing their environmental footprints and conserving resources. The success of any project should not only be determined by its completeness and capacity to be within budget and schedule, but on these core concepts—environmental, economic and social needs. At CEPCS, we can help our clients embrace sustainability strategies by creating bespoke models and avoiding 'greenwashing' (misleading the public to make a business seem environmentally friendly). At CEPCS, we help companies understand climate risks and opportunities, sustainable development goals and how to navigate their journey into becoming 100% renewable, climate-neutral or net zero.

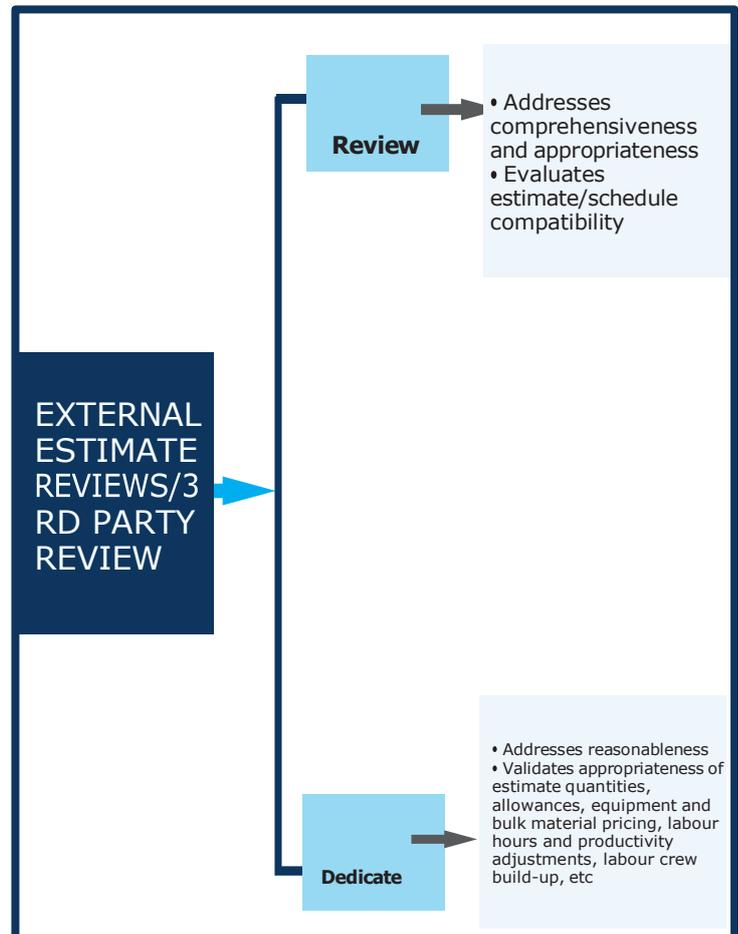
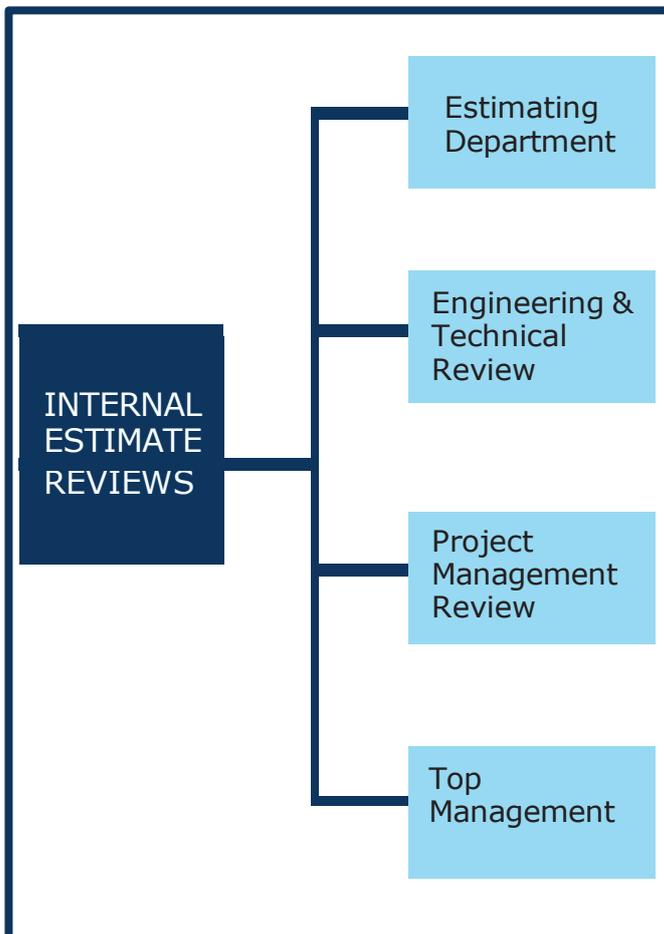
## What we do ?

- CEPCS prepares the cost estimate – Classes 1-5, Conceptual or FEED or Detailed (using AACE Int Recommended Practices)
- Engage the owners on inputs and other requirements
- Review, validate and benchmark the estimate internally and externally
- Review and obtain the owners concurrence on BoE (Basis of Estimate) before issue the estimate to the owner
- Confirm the contingency with the owner
- Independent Review and validate of 3rd party estimates to ensure adequacy of budget

## COST ESTIMATING PROCESS

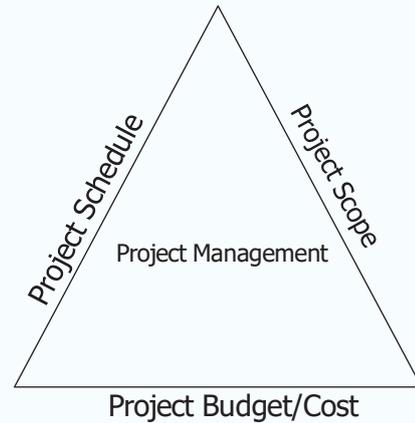


Estimate Class	Primary Characteristic	Secondary Characteristic				Preparation Effort (Typical degree of relative to least cost index of 1)
	Maturity Level of Project Definition Deliverables <small>Expressed as % of complete definition</small>	End Usage <small>Typical purpose of estimate</small>	Methodology <small>Typical Estimating Method</small>	Expected Accuracy Range <small>Typical +/- range relative to index of 1 (i.e. Class 1 Estimate)</small>	Preparation Effort	
Class 5	0% to 2%	Screening or feasibility	Stochastic (factors and/or models) or judgment	4 to 20	1	Owner Only
Class 4	1% to 15%	Concept Study or Feasibility	Primarily stochastic	3 to 12	2 to 4	Owner Only
Class 3	10% to 40%	Budget, Authorization or Control	Mixed but primarily stochastic	2 to 6%	3 to 10	Owner Only
Class 2	30% to 75%	Control or Bid / Tender	Primarily deterministic	1 to 3	5 to 20	Owner/ Contractor
Class 1	65% to 100%	Check Estimate or Bid / Tender	Deterministic	1	10 to 100	Contractor Only



## Project Management Consultancy

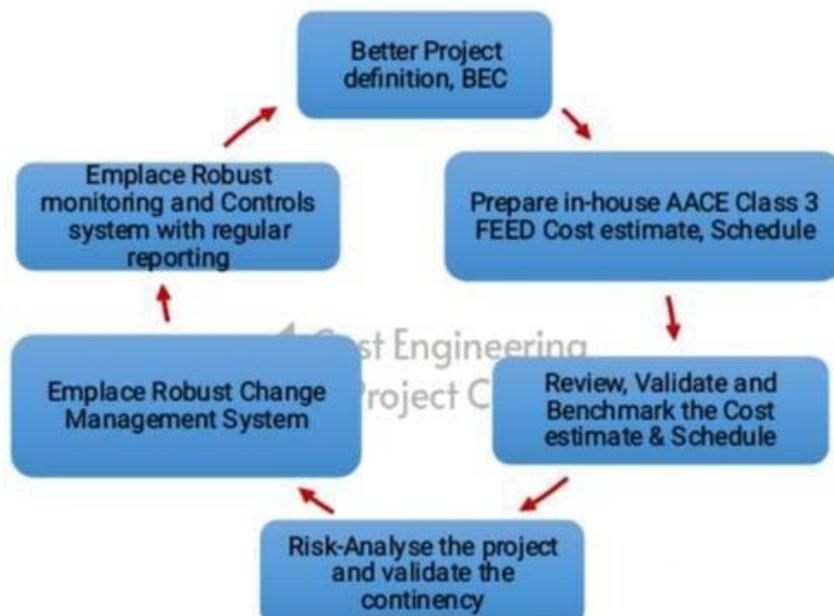
- Project Management Consultancy (on-track, ahead-schedule and below-budget)
- Operationalizing of PMOs
- Owner EPC Supervision Management,
- Project Performance Audits
- Construction Changes, Claims & Negotiations,
- Owner Project Management Oversight Training,
- "Eyes and Ears" for Owners
- Timely and detailed performance reports, etc.



## Improving Capital Stewardship

Successful organizations and nations execute projects successfully and they stay Afloat. However, most organizations that eventually became "take-over targets" execute Failed projects and become belly-up and eventually get bankrupt. Organizations and Nations that consistently select the right projects and execute them with excellence in "COST ENGINEERING" do improve Returns On Capital Employed (ROCE) and ultimately the Total Shareholder Returns (TSR) by increasing Revenues, Decreasing Expenses, and Reducing Capital Employed.

### CEPCS' Roles in project management consultancy



**Nigerian Content Development Monitoring Board (NCDMB)**

**Nigerian Upstream Petroleum Regulatory Commission**

**Ministry of Petroleum Resources (MPR)**

**NNPC Limited**

- ✓ *NUIMS, NGIC, KRPC, WRPC, PHRC, NETCO, West African Gas Company (WAGPCo), etc*

**PTDF, Petronat, BEAMCO, ALCON, AGMC, Lateejay, etc**



## CEPCS LIMITED

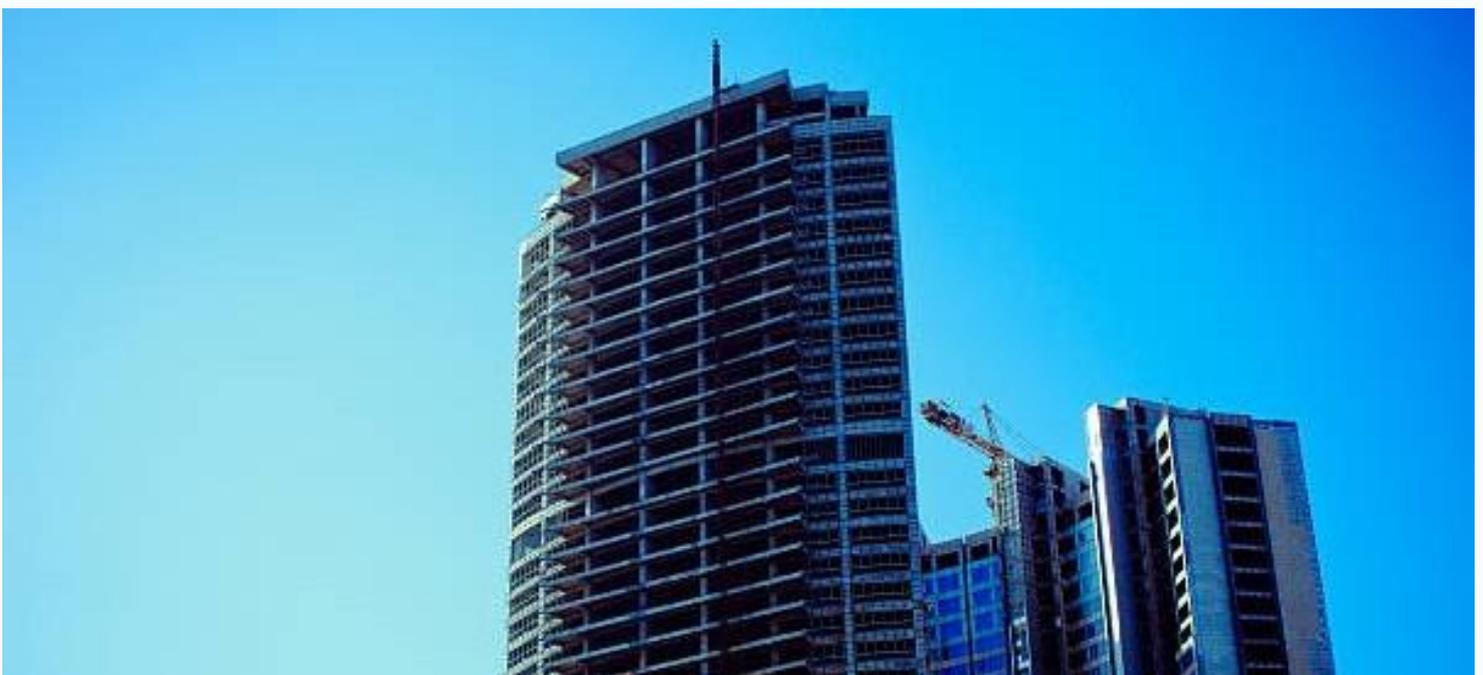
- We deploy Best Practices in Cost Engineering and Project Management
- We are professional Cost Engineers and Cost Estimators cum Project Management Professionals
- We have the experience and the capacity
- We have competent partners locally and abroad
- WE HAVE THE LOCAL WORKING KNOWLEDGE AND WILL DELIVER PROFESSIONALLY

### We promise you:

- Timely Response to OUR client needs
- Consistent performance and fair-minded approach
- Decisive solutions implemented with team effort
- Adherence to project scope, quality, schedule, and budget
- Successful delivery of your projects – on track, on schedule and within budget

### Engaging CEPCS team in your on-going or next capital projects will bring about:

- On-time delivery
- Below-budget
- On-track delivery
- Improvement in collaboration between disjointed team
- Address growing supply chain challenges, etc



## Quickwins

### 1. Capacity Building Training Programs in Cost Engineering

- I Cost Engineering Certifications: CCT, CST, CCP, CEP, PSP, EVP, etc
- ii Cost Engineering and Project Management Training program:
- iii Advanced Project Management – Project Planning, Scheduling,
- iv Cost Engineering and Risk Management,
- v Capital Cost Estimate Preparation, review, validation and cost benchmarking,
- vi Project/Construction Planning and Scheduling,
- vii Project controls for starters

### . 2. Project Management & Cost Engineering Consultancies

- I Project Management Consultancy services, Operationalize PMOs
- ii. Value-for-Money Audits & Claims Reviews/negotiations
- iii Review, validate & benchmarking of costs and project cos estimates
- iv Tariffs & Rates review and benchmark,
- v Development & operationalization of cost database etc

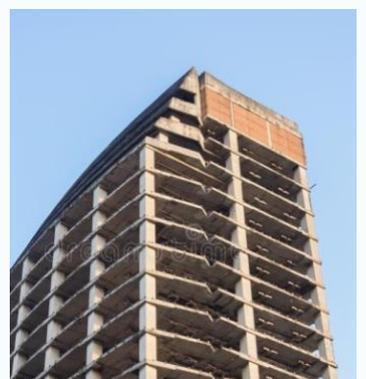


- Cost Engineering Consultancies
- Project Management Consultancies
- Project Cost Database;
- Value-for-money Audits services
- Preparation of Capital Cost Estimates & Schedules - Review, Validation, etc.
- Cost Engineering Certifications – CCT, CCP, CEP, PSP, EVP, etc.
- Establishing & Operationalizing Cost Engineering Units

## Contact us Via:

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## Books written by the Principal Consultant



[www.cengpcs.com](http://www.cengpcs.com)



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