ESTHOJ MULTI-DISCIPLINARY CONSULTING

("The Construction and Engineering Professionals")

Esthoj Multi-Disciplinary Consulting... *Delivering Value.*

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MULTI-DISCIPLINARY
CONSULTING
("The Construction and Engineering Professionals")

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A WORD FROM OUR FOUNDER & CEO

Esthoj Multi-Disciplinary Consulting Services Limited is an Engineering Construction and professional services firm specializing in Built Environment and Investment Management. In response to changing clients' expectations and market conditions, we assemble teams of experts who deliver integrated services built on market insight and foresight, sound research and relevant market knowledge. We attract, develop and reward the best, and most diverse people in our industry and challenging them to develop enduring client relationships built on quality service, collaboration and trust.

> We are in business to create and deliver real value for clients, shareholders and our own people in a complex world that is constantly changing.

No other service provider has a comparable bench of professional expertise or the best practices we can boast of to address your real estate project management needs. We are well equipped to provide a project-based tailored solutions to suit your budget and the complexity of your project without compromising on quality , safety or the project delivery time frame. We are able to offer a one-stop shop- services for our Clients through collaborative approach to allow our esteemed Client enough time to focus on their core business pursuit. Of course, being the best means more than driving projects to on-time, on-budget completion. We can quickly scale up or down to address your company's changing needs and the asset types in your portfolio. Whatever the scope, we'll work with you to set measurable goals and then achieve them together.

Dr. OLORUNKIYA JOSHUA, ***PhD, M.Sc, B.Sc, HND, CCM, MRICS, MCInstCES, MACostE, MAACE, MCIOB, MAPM, AAIQS, MBIFM, AMNIM, , MSCL.***

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CONSULTING

PHILOSOPHY BEHIND ESTHOJ CONSULTING

Every case is different, every client is different and we hope that you will find Esthoj Consulting Limited pleasantly different too.

Until recently, there were relatively few consultancies in the country specialising in commercial and contractual disputes and those companies worked almost exclusively in building and civil engineering. Many people within the construction industry, myself included, were unhappy with the limited service on offer. At that time, it appeared as if the main aim of a claims consultant was to actively encourage disputes and ensure their protracted resolution. Claims were unnecessarily complicated by constant references to the law and legal cases. Many perfectly valid claims put forward seemed to drown in a sea of unsupported narrative. The consultants were long on talk and short on facts.

I believed then, as I do now, that the industry did not need another traditional claims consultancy, but one that could forensically examine construction problems and analytically devise solutions. With the aim of speeding up dispute resolution by increasing understanding and providing detailed evidence, I established Esthoj Multi-Disciplinary Consulting Services Limited. Now we are in the new millennium, I can look back at the formative years of our company and see that not only have we achieved our original goal, but we have grown too. Resolving disputes is only part of our purpose. We now offer services directly dedicated to the avoidance of contention as well as extending our range to include construction consultancy and specialist commercial services. Our presence today throughout the country confirms to me that I made the right decision in 2005.

At Esthoj Multi-Disciplinary Consulting Services Limited, we still have the same philosophy - to find the best solution for you, our client. We consider your needs and try to avoid having our own preconceived ideas about how a problem should be addressed.

WHO WE ARE

Esthoj Multi-Disciplinary Consulting Services Limited is an international consultancy acting as trusted advisors to clients in planning and executing strategies that optimize the construction, operation, use and ownership of built assets. Our clients tell us that we have an enviable credentials in delivering value through the application of knowledge, professional skills and technology.

Our Vision

Our vision is to be the leading International Built Asset Consultancy, generating value for our clients, our people and the community.

What is Built Asset Consultancy?

- Built Asset Consultancy is delivered by providing our clients, wherever they operate, with the best combination of sector know-how, professional skills and technology which delivers valuable outcomes and profits.
- Built Asset Consultants do this by finding ways of getting the most from the money spent on building, operating, using and owning assets.

How We Operate

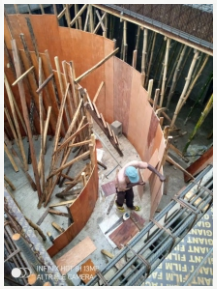
Esthoj Multi-Disciplinary Consulting Services Limited professional skills include 17 different disciplines: from asset and facilities strategy to management information systems, quantity surveying, program, project and construction management, and allied services. We also extend our capacity and capability through alliances with selected companies and supply chains assembled for specific sectors.

Investment in technology enables us to provide consistency of delivery across our network of offices and to capture and transfer knowledge for our client's benefit. All our people can access best practice service delivery processes and information sources designed for client sectors. We also combine knowledge and software development skill to provide unique management information systems supporting improved asset management performance.

We find that our combination of knowledge, professional skill and technology and our attitude to clients and business enables us to improve the value our clients get from the planning, construction and operation of built assets. We do this for leading private and corporate organisations on a large scale uniquely through our wholly-owned network of offices.

Services

At Esthoj Multi-Disciplinary Consulting Services Limited, we offer a comprehensive range of services covering every aspect of developing, investing in, owning and operating built assets. With national coverage and expertise and experience in numerous asset categories, we can help you deliver maximum efficiency and performance at every stage of the property life cycle.



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Strategic Planning

- Asset & Facilities Strategy
- Organization, People & Capabilities
- Supply Chain Management
- Change Management
- Risk & Business Continuity
- IT Solutions

Capital & Operational Expenditure

- Asset Facilities Management
- Building Surveying
- Commercial Management, Quantity Surveying
- Contract Solutions
- Development Management
- Programme Management

- Safety, Health & Environment Management
- Public Private Finance Consultancy
- Technical & Investment Risk Management

It makes commercial sense to administer a contract correctly. However, our experience has shown that on projects where thorough historical records are most needed, they are least likely to be available. It is vital that the correct administrative procedures are established at the outset of a project

.

At Esthoj Multi-Disciplinary Consulting Services Limited we employ professionals with considerable experience in administrating construction and engineering projects. Our consultants are an invaluable asset to a project team for the duration of a contract, or they can be called in to enhance a team for just a part of it. Either way, our clients are reassured that they will not only have the expertise of individuals but also the back-up of our entire organization should this be appropriate.

Our commercial skills play an equally significant role. We firmly believe in promoting a good relationship between contracting parties, but we are, at the same time, fully aware of the risks involved and if needs be, will maximize

QUANTITY SURVEYING / COST ENGINEERING

With an exceptional track record in most industry sectors Esthoj Multi-Disciplinary Consulting Services Limited aims to be one of the global leaders in the provision of cost management /quantity surveying. At the heart of this service is cost and commercial management. It is with the depth and strength of our expertise and experience that we have developed a wide range of skills to meet the financial and cost control management needs throughout a wide range of industry sectors and for a large range of national and international organizations.

The cost manager /quantity surveyor, with a reputation for fairness and independence, is a key member of any construction team. This intrinsic quality is combined with an ability to draft unambiguous contract documentation to avoid disputes and facilitate the effective progress of a project. Our cost managers place great emphasis on the control of construction costs. This is achieved by the application of expert knowledge of costs created through an understanding of current prices of labour, materials and plant. This expert knowledge combined with a deep appreciation of design objectives and decisions at an early stage ensures maximum value is realized for the investment made by our clients. Offering a comprehensive and innovative range of products and services, our cost management/quantity surveying teams ensure that we not only meet the current and ever-evolving needs and demands of our clients, but that we exceed expectations. Whether it be strategic cost modelling, advice in relation to contract and procurement, contract administration, proactive cost management, value engineering, risk management or the generic cost management /quantity surveying, Esthoj Multi-Disciplinary Consulting Services Limited offers credibility, capability and an assured commitment that its professional, experienced and continually developed resource will deliver real savings and value at all stages of the project life cycle.

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Our cost management /quantity surveying services include:

- Benchmarking and efficiency studies
- Cash flow management
- Change management
- Cost modelling
- Engineering services cost management (mep cost services)
- Escrow fund/account management
- Procurement advice and documentation
- Project cost management
- Risk and value management
- Strategic cost planning and estimating
- Value engineering
- Whole-life cost advice

Our quantity surveying services cover not only building works but also the following more specialized areas:

Building Services Engineering

We were the first quantity surveying firm in Nigeria to incorporate M&E engineering services into our scope of duties and we maintain a specialist team of professionals with requisite qualifications dedicated to this area.

Interior Fitting-Out Works

We work extensively with interior designers on interior fitting-out works for hotels, offices, banks, clubhouses and many other types of buildings. We have a team of surveyors experienced in interior fitting-out works to ensure seamless co-operation with interior designers.

Our specialist team collates up-to-date knowledge and information on fit-out works and advices tenants, occupiers and building owners on:

- Elemental cost of fit-out works.
- Cost analysis of functional areas.
- Comparative cost advice on alternative materials, systems and methods.
- Key fit-out cost drivers and design issues.

CONSTRUCTION PROJECT MANAGEMENT

As leader of the project team, Esthoj Multi-Disciplinary Consulting Services Limited provides a dynamic and professional construction project management service to meet the needs of our clients. Our essential function as construction project managers is to take responsibility for the successful outcome of the Esthoj Multi-Disciplinary Consulting Services Limited has dedicated teams of project managers working in the construction industry on a diverse range of projects with varying levels of complexity and challenge. Our emphasis in the provision of a construction management service is in augmenting client in-house capabilities and meeting client objectives, capturing essential information at an early stage and equipping clients with robust, well-analysed solutions

Esthoj Multi-Disciplinary Consulting Services Limited listens to its clients and focuses its construction project management service on understanding functionality and business objectives to deliver projects that are completed on time, in a safe environment, within authorised budgets and to required quality standards. project; we act as a specialist extension of the client's own in-house management team, bringing rigour and process, whereby a project is brought to a successful conclusion. An extensive range of services is offered that can be adapted to meet the demands of the project, whatever its complexity.

Our Project Objectives are:-

Project Planning, Scheduling & Management (**Primavera Specialist)**

Managing the Design

Managing the Cost

- Managing the Tender
- Managing the Construction
- Managing the post construction and Handover
- Managing the Migration and Occupation

Providing a cost effective and independent service, our project management team manages client input, correlates, integrates and co-ordinates the different disciplines and external expertise and resources to achieve the project objectives. Esthoj Consults was set up and is dedicated to satisfying these clients' needs. As management consultants, to private and public sector clients in projects, we have progressively developed and refined our project skills in the toughest industry - building and infrastructure developments.

Planning, Programming & Information Technology

The programme is one of the most essential tools in any form of contracting. It not only provides the basis for planning and monitoring work but also, in a dispute, the foundation for demonstrating the impact of critical events. The degree to which it can be used depends on the skill of the person preparing it and the level of detail incorporated,

Our consultants are supported by our planning and IT department in the investigation process, developing new approaches to analyse complex information and devising innovative graphical presentations which convey the issues comprehensively and with clarity. Accordingly, our planning and computer specialists are fully involved from the outset, providing crucial expertise and back-up.

CONTRACT PROGRAMME REVIEW

The first task is to establish the original basis for undertaking the project - often referred to as the base programme. This will be reviewed and, in all probability, will need to be developed by us. Bar charts, for example, are inappropriate for demonstrating 'cause and effect' and consequently, we will need to produce critical path networks. The original number of activities may be insufficient as a basis to relate complex events to the plan and we may need to expand the programme. We have professional experience on the use of **PRIMAVERA 8.1** and above version to meet all your project planning needs.

Data Analysis

Having identified the base programme, our consultants review the type, quality and quantity of available project records and decide how best to analyse their impact. Hundreds of documents relating to, for example, working hours, drawing issues or correspondence, may need sorting, assessing and scheduling. This may include scanning the project files into CD format using '**Alphascan**'

Demonstration of 'Cause and Effect

Once the data is stored into logical formats, our Planning and IT specialists relate the information to the base programme in order to demonstrate its impact. The also take account of the actual progress of events so that their effort is related, as it must be, to the state of the project at the time.

Graphical Presentation

When all the processes are complete, we use 'state of the art' software to produce a well and properly presented document, in which the salient issues of the narrative are enhanced where appropriate by clear graphical format.

Contractual problems and claims

Most project claims are reviewed and assessed by contract personnel who have been closely involved with the scheme. Claims should be written with this in mind, but many we see drown in a sea of unsupported narrative and hyperbole, and provide unnecessarily complicated references.

Due Diligence

In the highly specialised area of pre-purchase due diligence reporting on construction projects prior to acquisition, we work in conjunction with the Client' s appointed advisor to provide the following services:

Physical site inspection to review and ascertain:

Current condition of the building fabric, services plant and equipment, systems and components.

Any upgrading works that may be needed in the near future.

Costs of recommended works that are required to be carried out urgently and for compliance with current building authority requirements.

Costs of upgrading works that may be considered for design optimization to maximize potential returns for the least possible capital investment.

Assessment of the financial commitments of the projects in respect of cost implications of contractual claims, and cost to complete the project based on current design parameters.

Status and cost report on the contracts awarded, pending award and not yet tendered, to complete the whole projects.

The findings and appraisals are consolidated in a totally integrated Due Diligence Report which includes separate detailed reports from each consultant discipline, and is supplemented with photographs where appropriate to record the work completed and the plant and equipment on site.

SPECIALIST COMMERCIAL SERVICES

Insolvency

Services provided for insolvency practitioners cover a wide range including advising on the realistic value of contracts and claims, carrying out financial investigations, work-in-progress calculations, management of 'build-outs', negotiation of novations, negotiation and collection of debts and preparation of associated reports.

Our detailed knowledge of the construction and engineering industries ensures the accuracy of our reviews, assessments and valuations, enabling clients to maximize realized assets.

Loss Adjusting

Esthoj Multi-Disciplinary Consulting Services Limited are commissioned by loss adjusters to assist with some of the most complex construction losses. Uniquely we combine construction consultancy skills, knowledge of loss adjustment in construction and hands-on experience of contracting. As a result, insurers and loss adjusters have complete confidence in our multi-discipline advice and expertise.

Commercial Audits

Many of the commercial audits that we undertake are initiated by financial institutions seeking an independent view of the activities of a construction or engineering business they are proposing to lend or invest in.

A commercial audit covers many aspects of a businesses' activities including tendering, procurement, planning, surveying (including internal valuation procedures), site management skills and project management systems. The audit does not replace and accountant's financial audit but rather acts as an important complementary technical report.

Our client portfolio includes several major banks for whom we have successfully completed audits on major contractors, developers and specialist sub-contractors.We believe that the success of a claim, that is its speedy, amicable and acceptable resolution, depends very largely upon its preparation and presentation. It should be clear, readable, logically argued and substantiated by recorded facts. It must convey.

possibly complex issued in a manner that can be readily understood so that a clear conclusion can be reached.Our expertise is rooted in and enhanced by over a decade of experience of analysing hundreds of contract claims. Given our specialized knowledge and independent position we can often reach the core of a problem far more quickly than those who have been more closely or emotionally involved with the situation. We are able to identify possible options and, working closely with our client, provide commercially astute solutions. At a very early stage we will give an objective assessment of the strengths and weaknesses of your case and the likely costs that will be incurred.

If negotiations are to be successful in bringing about a satisfactory commercial settlement of a claim, it is imperative that the negotiator understands the tactics and psychology involved. We have experienced negotiators trained in mediation and conciliation and we make every effort to avoid the escalation of a dispute.

Esthoj Multi-Disciplinary Consulting Services Limited is a recognized leader in providing commercial and contract consultancy services aimed at investigating contractual, financial and management problems within the construction and engineering industries. Our specialist teams are made up of highly qualified construction professionals with considerable relevant experience world-wide. Many of our consultants have held senior management positions in construction and engineering organizations, enabling them to recognize and analyze complex commercial and contractual issues sensitively and comprehensively.

The problems that we are asked to investigate often involve both technical and legal matters. In addition to their particular construction or engineering expertise, many of our consultants have undertaken further training in law and arbitration practice. This enables them to scrutinized problems in the light of related legislation and recent court decisions and to bridge the technical-legal gap.

We work to exceptionally high professional standards, combining proven commercial acumen with resourcefulness and determination. As a result, we have established a strong network of clients with complete confidence in our ability to approach and successfully manage each and every commission they delegate to us. Esthoj Consulting has the technical capability to complete range of construction and engineering activities including:

Building , Civil/Structural Engineering

Mechanical and Electrical Engineering

Petro-chemical and offshore installation

Heavy and process/Production Engineering

Leadership

We value our people and ensure that human management capabilities fully complement our technical skills. Building and positively sustaining project team relationships through the often lengthy duration of works is key to a successful project. We bring leadership to the construction team and cultivate a positive and creative environment. This encourages innovation to flourish and provide the extra value that maximizes investment returns. In essence, Esthoj Consults provides constructive solutions. Our construction project management services include:

- Appointing consultants (procurement advice)
- Commercial management
- Commissioning
- Contract management
- Managing risk
- Transition/move management
- Owner's representative
- Contract management
- Planning approvals
- Planning supervisor
- Owner's Representative
- Planning approvals

- Planning Supervisor
- Programme management (scheduling/schedule management)
- Project controls
- Project strategy/property care
- reports and monitoring
- schedule management

Advisory services

Within our advisory services team we pull together a range of expertise and experience of a huge range of procurement routes. This knowledge can be brought to the development of highly complex infrastructure projects and programmes in an increasingly sophisticated market.

The advisory services team provides consulting and management services to both the public and private sectors during inception, feasibility, tender process, construction and operational phases with an in-depth understanding of the whole lifecycle process.

Due diligence/project monitoring

Identifying and mitigating risk in property development transactions

Esthoj Multi-Disciplinary Consulting Services Limited is one of the largest consultancies dedicated to advising clients in respect of the procurement, construction and management of the built environment.

We are a company with a diverse skills base and the ability to adapt to any business change and evolution, thus ensuring our clients maximize their opportunities and minimize their risks. With in-depth insight and experience within the property and construction industry, Esthoj Consults understands fully the risks associated with lending to property development transactions.

Esthoj Multi-Disciplinary Consulting Services Limited is flexible in its approach and is able to focus on the real issues, providing relevant due diligence advice on a project-by-project basis. We have a practical approach and experience working with funding institutions and teams of professionals to identify and mitigate risk in a transaction, thus ensuring the financier has the relevant information during the various stages

Pre-initial report:

We provide focused advice on the critical issues of a project prior to land draw down. This enables the founder to make important decisions before committing to a project. This may include an overview of the following:

- Planning consent
- Construction cost/ budget estimate
- Construction programme
- Site conditions

Initial due diligence report:

We build on our initial knowledge of the scheme to provide a full due diligence report, focusing on all areas of the construction to identify areas of risk prior to construction draw down. This may include an overview of the following:

- Contractor capability
- Form of contract
- Development cash flow detailed cost analysis ·

Project monitoring:

We are the founder's 'eyes and ears' on site throughout the construction period. We review progress on site, review the contractor's monthly application and approve the developer's monthly draw down. At all times we are focused on the cost to complete the project. As experts in the due diligence market, we understand that we all live and work in an ever-changing and more demanding world. Esthoj Multi-Disciplinary Consulting Services Limited is poised to become one of the most respected consultancies in the due diligence market through in-house capacity development of our team.

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Construction claims consultancy

Esthoj Multi-Disciplinary Consulting Services Limited is an industry leader in the commercial management of construction projects, providing contractual and claims advice and supplying construction claims consultants to clients for projects around the world. We provide permanent and contract construction claims consultants to some of the best known names in the industry and, with offices around the world, is able to call on a pool of staff with expertise in civil engineering, building, utilities, rail, oil and gas, petro-chemical, and other related sectors.

Finding solutions

We can dedicate one or more of our experienced construction claims consultants to provide advice on how contracts can be set up and managed to avoid claims and how to deal with claims when they do unavoidably occur. Our construction claims unit is able to tailor-make a solution to meet your needs and offer professional and experienced advice on:

- Claims avoidance
- Best practice review and drafting of contract terms and conditions
- Claims management
- Claims drafting
- Claims defence
- Dispute management and resolution
- Commercial settlement strategies and negotiations
- Forensic delay analysis
- Quantum evaluation
- Termination, disruption, extension of time, additional payment and variations-based claims
- Mediation
- Conciliation
- Adjudication and arbitration
- Expert witness

Avoiding disputes

We follow the philosophy that prevention is better than cure and will always aim to find a solution before it becomes more costly to resolve. We take time to understand what the client's construction claims' objectives are and how best our construction claims consultants may be able to meet his expectations. Early involvement allows our expertise to be used to its best advantage, and enables our construction claims consultants to provide the most appropriate and effective advice; in fact if we are engaged early enough advice is all that you may need to avoid claims' issues escalating into costly disputes.

SPECIALIZED SERVICES

SPECIALIZED DESIGN & ENGINEERING SERVICES

SPECIALIZED DESIGN & ENGINEERING SERVICES

The wide range of expertise available within Esthoj Multi-Disciplinary Consulting Services Limited has always enabled us to form, for different projects, the best teams that fulfill clients' requirements. With our in-house expertise and capabilities, we also provide a full scale Specialized Design and Engineering Services in the following areas:

Architecture and Urban Planning / Design – Town Planning

- Urban Design
- Architectural Design
- Landscape Design
- Interior Design

Structural Engineering

- Structural Modeling and Design
- Structural Design of Concrete and Steel Structures
- Seismic Hazard Assessment Studies
- Dynamic Impact on Adjacent Structures
- Restoration / Rehabilitation of Ancient Monuments
- Seismic Retrofit Analysis and Design
- Structural Analysis of Piping Networks

Geotechnical Engineering

- Geotechnical Investigations and Foundation Studies
- Deep Excavation Support
- Rock Slope Stabilization
- Foundation Underpinning
- Soil Improvement and Advanced Foundation Technology
- Ground Water Control
- Land Fill Design

Electro-mechanical Engineering

- Lighting and Electrical Installations
- HVAC
- BMS (Building Management Systems)
- EMS (Environmental Management Systems)
- Fire Alarm & Fighting
- Plumbing and Piping
- Electrical Power
- Light Current
- Telecommunications and ICT
- Noise / Vibration Analysis

Industrial Process Engineering

- Process Engineering Design (Basic & Detailed Process Design, FEED, P&IDs, Engineering Process Oversight & Value Engineering)
- Evaluation of Technology Alternatives
- Pilot Plant Design, Evaluation and scale – up – Process Safety, Risk Management, and Quantitative Risk Assessment (QRA)
- Energy Audits & Energy Assessment
- Environmental Impact Assessment
- Water Treatment & Desalination – Pollution Prevention and Waste Treatment
- Piping Engineering (Piping General Arrangements, Stress Analysis, Pipe Racks Arrangement, Isometric drawings, Piping Material Specifications & M.T.O for Piping materials, Piping Isometric) Static and dynamic analysis of piping systems
- Finite Element Analysis of mechanical structures and components
- Failure Analysis of mechanical equipment
- Assessment of Fitness for Service of Pressure vessels and piping Instrumentation Design (Philosophy & Design Criteria, block diagrams, definition and tagging, control loop, Instruments Layout)
- PLC & SCADA Systems Design (industrial applications, Design of Supervisory, Control and Data Acquisition, Design of Distributed Control System)
- Mechanical Systems Design (Pumps, Vessels, Air Coolers, HVAC, Plumbing, Compressed Air, Steam, Boiler, etc)
- Electrical Systems Design (Switchgears & MCCs Design, Feeders Sizing & Routing, lighting, light current systems, etc)
- Technical Training
- Plot Plan and Equipment Layouts for various buildings and areas.

Manufacturing Engineering

- Design of Manufacturing Facilities Layout (Plant Layout, Production Lines Configurations, Warehouse Design, Workspace Design, Material Flow Analysis)
- Manufacturing Process Design/Improvement (Line Balancing, Capacity Measurement, Work/Time Study, Production Planning, Productivity/Utilization Improvement, Design of Experiments "DOE")
- Lean Manufacturing Implementation
- Six Sigma and Total Quality Management (TQM)
- Maintenance Management and Total Productive Maintenance (TPM)
- Enterprise Resource Planning (ERP) Systems Implementation
- World Class Manufacturing (WCM) Application/Transformation
- Engineering Optimization (Modeling, Simulation, Decision Support Systems "DSS")

Sustainable Design and Environmental Impact Assessment

- Technical-Economic Studies in Energy
- Technical-Economic Studies for Water and Environment Conservation
- Energy Audits
- Environmental Audits
- Strategic Studies in Energy Sector
- Environmental Project Assessment
- Project Studies in Renewable Energies
- Project Studies in Energy Efficiency
- Integrated Sustainable Development Projects

Transportation (Highways, Bridges & Traffic)

- Geometric Design – Pavement Structural Design
- Road Drainage
- Parking Studies
- Traffic Signage
- Traffic Impact Assessment Studies.

Water /Wastewater and Environmental Engineering

- Pipelines and Pipe Networks
- Hydraulic Analysis
- Anti-Hammer Systems
- Leak Detection Analysis
- Environmental Engineering
- Dump Sites Lining and Closure
- Environmental Impact Assessment
- Mathematical Modeling / Simulation
- Water & Wastewater Treatment Plant
- Pump Stations

Coastal, Marine & Ports Engineering

- Bathymetric Surveys
- Mathematical Modeling
- Shoreline Evolution Analysis
- Wave Hindcasting Studies
- Sediment Transport Analysis
- Shore Protection Engineering
- Marine Engineering
- Design of Harbors & Coastal Structures

Flood Protection and Hydraulic Studies

- Flash Flood Catchments Analysis
- Flood Protection Engineering
- Hydraulic Studies

Topographical Surveys and GIS Application

- Topographic Survey: Gathering survey data about the natural and man - made features of the land, as well as its elevations.
- Preparation of three - dimensional map: Through establishing horizontal and vertical control to serve as framework of the survey, determining enough horizontal location and elevation of ground points to provide enough data for plotting when the map is prepared, locating natural and man - made features that may be required by the purpose of the survey, computing distances, angles, elevations, and drawing the topographic map.
- GIS: is a system designed to capture, store, manipulate, analyze, manage, and present all types of geographical data.

Our Team

- Dr. OLORUNKIYA JOSHUA OLUTAYO
  PhD, M.Sc, B.Sc, HND, CCM, MRICS, MCInstCES, MACostE, AAIQS, MAACE, MCIOB, MAPM, MSCL, MNIQS, MBIFM, AMNIM,
- OLALEKAN OLAOLU TITUS
  HND, M.SC, MRICS
- *FEMI OLUTONA, MNIQS, RQS*
- *ENGR. EMMANUEL OLAGUNJU*
  CIVIL ENGINEER, MNSE, COREN
- *ARC. JIBOLA AROGUNDADE, MNIA*

The symbols of our expertise & professionalism

Association for Project Management, UK	apm
Association for Advancement of Cost Engineering, USA	aace
Australian Institute of Project Management, Australia	Australian Institute of Project Management
Association of Construction Project Managers, South Africa	ACPM ASSOCIATION OF CONSTRUCTION PROJECT MANAGERS
British Institute of Facilities Management	BIFM British Institute of Facilities Management Investors in FM Excellence
Chartered Institute of Arbitrators, UK	

Association for Project Management, UK	ACostE
Association for Advancement of Cost Engineering, USA	CIBSE
Australian Institute of Project Management, Australia	
Association of Construction Project Managers, South Africa	RICS
British Institute of Facilities Management	SOCIETY OF CONSTRUCTION LAW
Chartered Institute of Arbitrators, UK	SOCIETY OF CONSTRUCTION LAW SINGAPORE

Chartered Institute of Building, UK	CIOB
Nigerian Institute of Management - Chartered	
Nigerian Institution of Quantity Surveyors	NIQS

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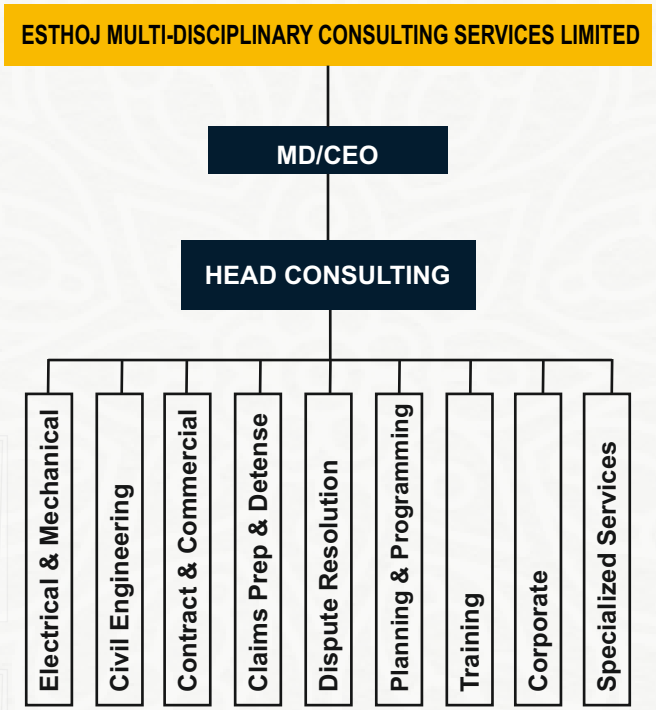

GREAT DEEDS ARE USUALLY WROUGHT AT GREAT RISK: Herodotus - Greek Historian,

Risk is something that we all live with from time to time. Small risks can even add flavour and spice to our lives but, in business, it is vital that risks are identified and action taken to resolve the potential problems they present. Few organization are better equipped to do that than Esthoj Multi-Disciplinary Consulting Services Limited. ***Esthoj Multi-Disciplinary Consulting - expert analysis, electives action, positive resolution.***

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AUST ESTATE GALADIMAWA, ABUJA

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INEC MANSION, ABUJA

GUZAPE 1 & 3, ABUJA

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HILLTOP MANSION MAITAMA, ABUJA

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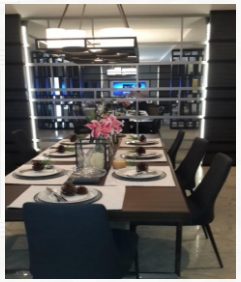
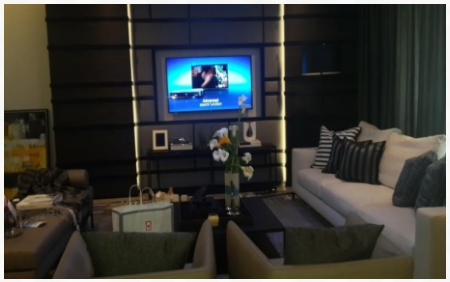
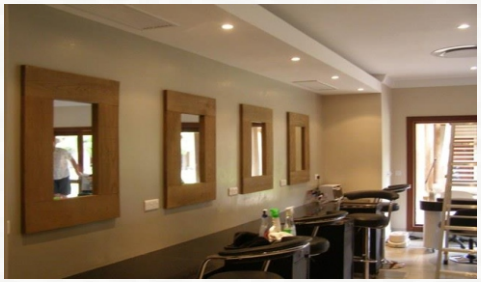
PALMSPRING ESTATE MAITAMA EXTENSION, ABUJA

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PANDA AGRICULTURAL DEVELOPMENT, NASARAWA STATE.

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PANDA AGRICULTURAL DEVELOPMENT, NASARAWA STATE.

PARK VILLAS MAITAMA, (PILING WORK) ABUJA.

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COMPILATION OF PROJECTS (ABUJA & DELTA STATE)

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HOTEL DEVELOPMENT, ABUJA.

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RESIDENTIAL DEVELOPMENT, MAITAMA, ABUJA.

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PARK VILLAS MAITAMA, ABUJA.

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LIST OF COMPLETED/ONGOING PROJECTS

S.NO	DESCRIPTION	PROJECT TEAM	ESTIMATED PROJECT VALUE	STATUS
1	QUANTITY SURVEYING/PROJECT MANAGEMENT SERVICES FOR PANDA AGRICULTURAL MANAGEMENT SERVICES. A JOINT VENTURE FOR AN INTEGRATED FARM DEVELOPMENT PROJECT BETWEEN FARMBUILDERS NETHERLANDS AND THE NIGERIAN SOVEREIGN INVESTMENT AUTHORITY (NSIA) AT PANDA VILLAGE, NASARAWA STATE	1. **CLIENT**: FARMBUILDERS NETHERLANDS 2. **CONTRACTOR:** CONSTRUCTION KAISER 3. **QUANTITY SURVEYOR**: ESTHOJ MULTI-DISCIPLINARY CONSULTS 4. **PROJECT MANAGER**: ESTHOJ MULTI-DISCIPLINARY CONSULTS **5. M&E CONSULTANTS**: PARAGON ENGINEERING, SOUTH AFRICA **6. STRUCTURAL ENGINEER:** SHAMS CONSULTANTS **7. ARCHITECT:** INCHSCAPE ARCHITECT	N4.5BN	65% COMPLETED
2	PROJECT MANAGEMENT SERVICES FOR THE DEVELOPMENT AT PARK VILLAS, MAITAMA, ABUJA (**PHASE 1: STRUCTURAL CARCASS**)	8. **CLIENT**: BIMA SHELTERS 9. **ARCHITECT/CONTRACTOR:** 3ADB 10. **QUANTITY SURVEYOR**: ESTHOJ MULTI-DISCIPLINARY CONSULTS 11. **PROJECT MANAGER**: ESTHOJ MULTI-DISCIPLINARY CONSULTS **12. M&E CONSULTANTS**: APTRON CONSULTS **13. PILING CONTRACTOR:** GROUNDMAST LTD	N3.0BN	20% COMPLETED
3	PROJECT MANAGEMENT SERVICES FOR THE DEVELOPMENT 200 APARTMENTS UNITS AT GALADIMAWA ABUJA CONSISTING OF TERRACES, 3 BEDROOM BLOCKS OF FLATS & 2 BEDROOM BLOCKS OF FLATS (PHASE **1: STRUCTURAL CARCASS)**	1. **CLIENT**: BIMA SHELTERS 2. **ARCHITECT:** CANNON PROJECTS 3. **QUANTITY SURVEYOR**: ESTHOJ MULTI-DISCIPLINARY CONSULTS 4. **PROJECT MANAGER**: ESTHOJ MULTI-DISCIPLINARY CONSULTS	N2.5BN	80% COMPLETED

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