ESCHER SILVERMAN

GLOBAL NIGERIA

Transformative Infrastructure,
Transforming Lives.

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A MESSAGE FROM THE CEO

At Escher Silverman Global, we believe engineering is more than technical design, it's about building solutions that serve people, improve lives, and stand the test of time. Whether it's roads, railways, housing, or city systems, our work reflects a balance of expertise, purpose, and long-term impact.

We approach every project as a partnership, combining global standards with local understanding. Our team brings together financiers, experienced engineers, planners, and managers who are dedicated to practical, forward thinking solutions that meet real-world needs.

What drives us is simple: to deliver results that are reliable, sustainable, and meaningful. Thank you for your trust in us, we look forward to building with you.



B Obika.

DR BERNARD OBIKA

WHO WE ARE

Engineering with Purpose



WHO WE ARE

Our Vision

We envision a world where connectivity, infrastructure and environmental responsibility harmonize to create a prosperous and equitable future.

Our Mission

To drive change through infrastructure excellence. We view every project as an opportunity to make a positive impact on society, economy and environment, by combining technical mastery with a deep commitment to social responsibility.



About Us

Escher Silverman Global (ESG) is a dynamic and experienced civil engineering consulting firm, with an outstanding track record of projects in the transport infrastructure sector.

Founded in the UK over 30 years ago, ESG currently operates from its offices in Nigeria and in UK. We have established partnerships with esteemed consulting firms in various regions across Africa, Europe and Asia. This Extensive network allows to bring diverse perspectives, local insights, and a wealth of international experiences to every project we undertake.

As we look to the future, ESG is committed to building capacity and empowering infrastructure delivery across Africa through inspired, transformative engineering solutions.



LEADERSHIP

Dr Bernard Obika PhD MSc MBIE FGS

Lead consultant
Over 40 years' experience in over 30 countries with major international organisations.



Engr. Ike Egbuna

Chief Operating Officer
Expertise in highway and structural design, and construction spanning West Africa, East & South Africa and America.



Engr. Theophilus Inufin

Civil/ Highway Engineer
Real estate development, Highway, design, construction,traffic studies and project management.



Engr. John Okwudiafo

Highway, Bridges and Water Engineer
Experience in infrastructure development across Africa, Europe & Asia



Michael Gleeson

Commercial Law and Litigation
Islamic finance, corporate law, contracts.



Engr. Ibiyedi Dada

Business Development Expert
Strategic growth, partnerships and market development.



Michael Kagwa

Project Finance and Investment Banker
25+ years experience, focusing on frontier and emerging markets in Sub Saharan Africa



Wale Badmus

Procurement and Contract
Expertise in construction management, cost control and quality assurance



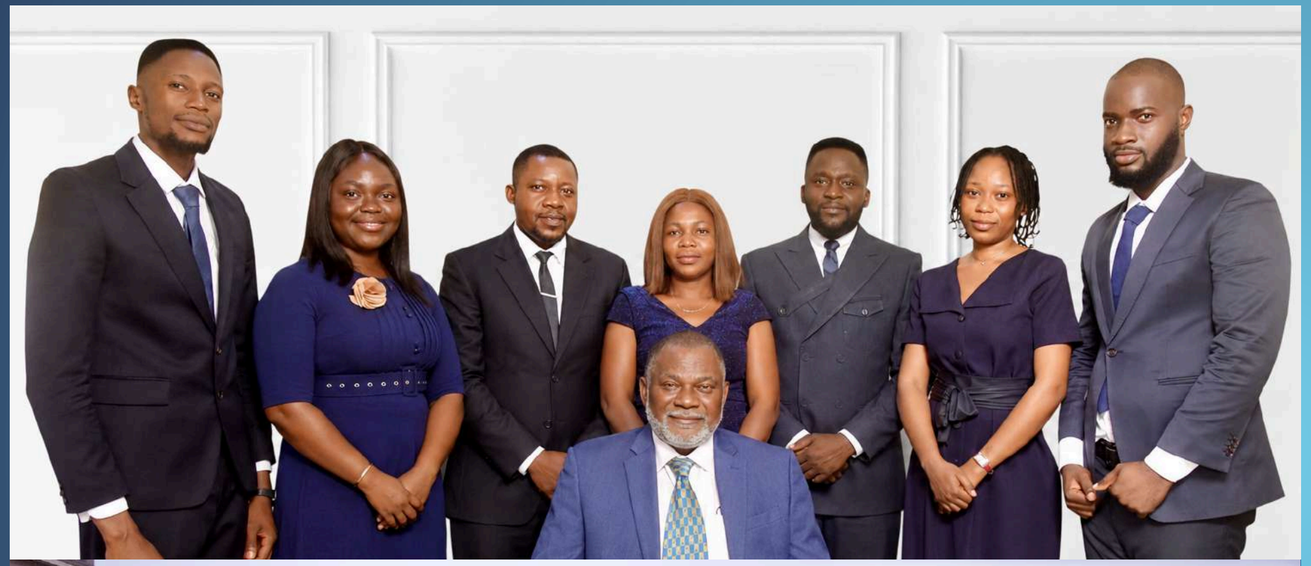
Precious Chukwu

Consultant
Driving business growth, economic insight, and corporate visibility.



OUR PROFESSIONALS

Dedicated experts delivering exceptional results through continuous development, advanced technology, and industry best practices ensuring sustainable, cost effective, and high quality outcomes.





Brigdes

Highway

Water

Railway

Buildings

Energy











CORE SECTORS



INFRASTRUCTURE MASTERPLAN

CITY & HOUSING DEVELOPMENT





ESIA



WATER RESOURCES



ROADS/HIGHWAY

RAILWAY





BRIDGES

OUR SERVICES

We provide-high value engineering consultancy services across the full project lifecycle from initial concept and feasibility to design, implementation, and operations. Our work is grounded in global best practices, tailored to local contexts, and executed using modern tools and technology.



Design

- Material Testing & Structural Assessment
- Engineering Design
- Digital BIM Design
- Design Audit & Verification



PPP Transactions

- Project Appraisal
- Financial Modelling & VFM
- Tender & Bid management



Value Engineering

- Decision Support systems
- Lifecycle & Cost Benefit Analysis
- Design Optimisation
- New Technology
- Alternative Materials



Project Finance

- Financial Feasibility
- Structuring & Funding Strategy
- Due Diligence
- Bid Management
- Monitoring, Evaluation and learning



Project Management

- Planning
- Design coordination
- Construction Management
- Project Management Consultancy
- Owners Engineer



Technical Advisory Services

- Performance Monitoring
- Regulatory Compliance & Standard
- Design Review
- Prefeasibility & Feasibility



Urban Transport & Logistics

- Traffic Engineering & Management
- Traffic demand modelling
- Policy Advisory & Institutional Support
- Sustainable & Smart City Solutions

GROWTH & SUCCESS

Enduring track record of success



PATHWAY TO PROGRESS

Growing through impact, building across borders

2022-Present
Consolidating Urban Development

Implemented ISO certified systems to enhance quality assurance, clients satisfaction, and internal process efficiency. Reinforced our commitment to delivering reliable, future focused engineering solutions.

2019-2022
Expanding Trust, Building Influence

Formed strategic alliances across Africa and Europe while delivering high impact advisory in transport, climate change and urban development. Trust earned from early engagements evolved into long-term partnerships, positioning us as a consulting partner of choice on complex, multidisciplinary projects.

2018
Early Growth & International Expansion

Delivered our first major infrastructure project in Southern Nigeria and expanded operations to Abuja, Enugu and Benin, and initiated international presence in Botswana and the UK.



2018-2019
Major PPP Projects Initiated

Provided end to end advisory services on KADPoly, EEDC, and Enugu -Port Harcourt Highway and several other PPP transaction advisory projects covering surveys, risk analysis, design, and financial modelling.

2019
Trusted Advisory

Strengthened our role as the go to consultancy in Nigeria for PPP transaction advisory on road and rail infrastructure, integrating digital tools and tailored engineering solutions.

1996-Present
UK Operations

Focussed on providing services to the UK residential and commercial development sector.

SHARED SUCCESS

At Escher Silverman Global, we strive to push the limits of engineering innovation with every project, drawing on our success across various sectors. Our success is measured by the success of our clients.

OUR LASTING FOOTPRINT IN INFRASTRUCTURE

We are proud of the tangible impact we have made financing, designing resilient infrastructure, supporting local communities, and driving sustainability through every stage of the process.

Built over 20 resilient roads in climate sensitive zones

Incoorporated sustainable design in 85% of Projects



Partnered with Leading Industry Players



Mentored Young Engineers through internship programs

Recognized for inclusive team leadership

OUR PROJECTS

A selection of our infrastructure solutions





ROAD & HIGHWAY

STRIVING FOR TRANSPORT SYSTEMS THAT ARE ACCESSIBLE, AFFORDABLE, EFFICIENT, GREEN AND INCLUSIVE

- Highway Design and Planning
- Road Construction Supervision
- Traffic Studies & Modelling
- Road Maintenance and Rehabilitation
- Geotechnical and Structural Engineering
- Environmental Impact Assessments (EIA)

ROAD & HIGHWAY

Senior ESG employees have led the UK-funded Global High Volume Transport Applied Research Programme, A major global flagship transport research programme that amongst others included:

- Collaborating with PIARC and the (World Bank Association) and World Bank to update and remodel the Highway economic appraisal tool-**HDM4,** used Worldwide to assess project economics.
- Revision of **Road Note 31** for the Design of Roads in Tropical areas to accommodate climate change and new evidence on materials technology and drainage worldwide.
- Development of decision support tool for the assessment of **climate impact on transport infrastructure** in low income countries, collaboration with oxford university, Southampton University, UK and worldwide.
- Development of climate resilient road surfacing materials in collaboration with University of Birmingham, UK and worldwide.

KEY PROJECTS



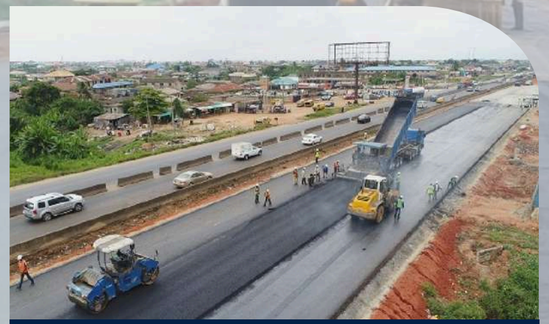
Modernalisation and upgrade of the Lagos-Ibadan Expressway

Transaction Advisory



Edo State Ministry of Infrastructure: Road design standards, specifications, and quality assurance for transport systems

Lead Technical Assistance



Design and bidding documents for Edo roads using Geo-Nano technology to extend pavement life and reduce costs, funded by Federal and State Government

Sole Engineering Consultant



Detailed design and construction supervision of the 17km internal arterial road and the 22 km four-lane boundary road of the Enyimba Economic City

Transaction Advisory



Design, and Supervision Consultancy for the development of the Enugu Transport Hub

Sole Engineering Consultant



Construction of the 2nd Niger bridge linking Anambra and Delta states through a concession under the Public Private Partnership (PPP)

Transaction Advisory

KEY PROJECTS



Detailed Engineering Design for the Rehabilitation of Benin – Asaba Highway under HDMI Phase 1

Sole Engineering Consultant



Detailed Engineering Design for the Rehabilitation of Lagos- Ota – Abeokuta Highway under HDMI Phase 1

Sole Engineering Consultant



Transaction Advisory on the Enugu-Onitsha Road Development Rehabilitation

Transaction Advisory



Detailed Engineering Design for the Rehabilitation of Enugu Port Harcourt Highway under HDMI

Sole Engineering Consultant



Project Management Consultancy of the construction of St. Saviour Road, Edo State

Sole Engineering Consultant



Edo State Accelerated Road Development Program Phase 1

Sole Engineering Consultant



Edo State Accelerated Road Development Program Phase 2

Sole Engineering Consultant



Detailed Engineering Design for the Rehabilitation of Onitsha-Owerri-Aba Road Highway under HDMI Phase 1

Sole Engineering Consultant



Construction and dualisation of the Owo/Ubahu/Ama Nkanu/Neke Ikem Road Enugu State

Sole Engineering Consultant



Supervision services on the construction of the Amechi Idodo Amagunze Road in Enugu State

Sole Engineering Consultant



BRIDGES

ENGINEERING ROBUST AND EFFICIENT STRUCTURES

- Design Engineers
- Construction Engineers
- Inspection and Maintenance Experts
- Geotechnical Engineers
- Structural Engineers
- Project Managers

KEY PROJECTS

BRIDGES

Bridges are essential for enhancing connectivity and driving economic development, especially in regions where accessibility is vital.



Design, Build, Finance, and Operate (DBFO) 2nd Niger Bridge PPP Project – Linking Anambra and Delta States

Transaction Advisory



Preliminary Design Development and Technical/Financial Due Diligence for the 2nd Niger Bridge PPP Project

Conceptual design and DD



Consultancy Services on Public and Private Partnership (PPP) Highway Projects, the Consultancy Services for the River Benue Bridge at Ibi

PPP Structuring



Consultancy Services for Lot 2: River Katsina Ala Bridge at Buruku

Conceptual design and PPP



Design review of Ologbo-Ikara,Junction-Ajoki Junction-Bridge with Spurs funded State Government

Design & Supervision



Bridge Design for Erosion Control Works on 13 Roads Totalling 70km in the GRA of Benin City

Technical Feasibility study



Detailed Highway and Bridge Design for Lagos-Ota-Abeokuta Highway under HDMI-Phase 1

Technical Feasibility study



URBAN DEVELOPMENT

INNOVATIVE SOLUTIONS FOR CITY EXPANSION

- Urban Planning and Design
- Housing Design and Architecture
- Construction Project Management
- Land Acquisition and Development
- Infrastructure Development
- Smart City Development

URBAN DEVELOPMENT

We design and deliver sustainable housing and urban development solutions that build inclusive, vibrant communities, enhance quality of life, and support economic growth.

KEY PROJECTS



KADPOLY Hostel Accommodation Development Project

Construction Supervision



Guest Inn and Hotel along Yakubu Avenue

Construction Supervision



Enyimba Economic City Development-Transaction Advisory Support

Construction Supervision



Indoor Sports facilities at Tudun Wada Campus

Construction Supervision



Development of Resettlement Action Plan for Onitsha–Owerri–Aba

Design & Supervision



Enugu New City - Project Management Consultancy

Design & Supervision



Idodo International market and Residence

Design & Supervision



Development of the Town plan and regulatory framework Enugu New City development

Urban planning



RAILWAY

ENHANCING CONNECTIONS WITH ADVANCED RAIL SOLUTIONS

- Railway Design and Planning
- Railway Construction Supervision
- Railway Operations and Maintenance
- Railway Signaling and Communication Systems
- Railway Safety and Risk Management
- Railway Operations and Maintenance

RAILWAY

We offer specialised consultancy in the development and management of railway systems, focusing on delivering safe, efficient, and sustainable solutions. Our services span the entire project lifecycle, from initial design to implementation, ensuring all projects meet the highest industry standards and align with community and environmental needs.

KEY PROJECTS



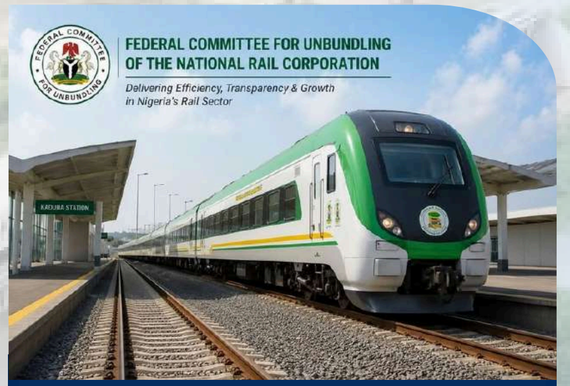
Development of the PPP infrastructure for the London Heathrow Southern link rail project – Project Involves the 6.5km of Elevated light rail linking Staines on the Thames to Heathrow Terminal 5. To be privately financed by the SPV and led by ESG & ITSL

Transaction Advisory



South-East Regional Economic Development Corporation Rail Feasibility Study

Feasibility Studies



Federal Committee for Unbundling of the National Rail Corporation

Institutional Advisory



WATER

VALUING SUSTAINABILITY AND QUALITY OF PROVISION

- Water Supply and Distribution Systems
- Wastewater Treatment and Management
- Water Resource Management
- Water Quality Monitoring and Analysis
- Flood Risk and Drainage Management
- Desalination and Water Treatment Technologies

WATER

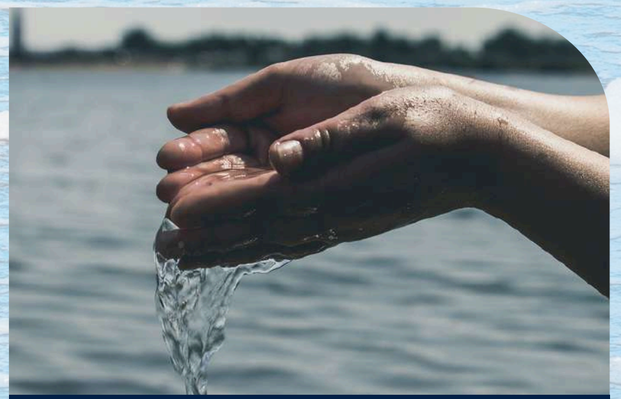
We focus on improving water access, treatment and long-term resource security in the areas we serve. Our work looks closely at water quality, ecosystem protection and how each intervention supports natural balance. We design systems that strengthen distribution, reduce losses and improve overall performance. Every project is planned to withstand floods, droughts and other water-related risks. We also work with communities to ensure the solutions we deliver support a reliable and healthy water supply over time.

KEY PROJECTS



Design Review of water supply and sewerage systems for Enugu New City

Project Management



Enyimba Economic City preliminary design of water supply and sewerage treatment systems

ESIA & Resettlement Plan



ESIA

ENSURING RESPONSIBLE PROJECTS THROUGH COMPREHENSIVE IMPACT ASSESSMENTS

- Emission and Climate Impact Research
- Environmental analysis
- Social Impact Assessment
- Mitigation and Monitoring Planning
- Community Health and Safety Assessment
- Environmental Risk and Compliance Review

ESIA

We provide a clear understanding of the environmental and social implications of every project. We carry out detailed studies, research and stakeholder reviews to identify risks, guide decision making and ensure full compliance with regulatory standards. This helps us support safe, sustainable outcomes for communities and the environment.

KEY PROJECTS



Environmental and Social Impact Support for the Nigeria UK-PACT Clean Air and Climate Action Initiative

Local Lead



Edo State Accelerated Road Development Program Phase 1

Project Management



ESIA Consultancy for Enyimba Economic City Road Development

ESIA & Resettlement Plan



ESIA and ESMP Consultancy for Enugu-Port Harcourt Expressway and Greenfield Road Development

Project Management



Environmental and Social Impact Assessment for the Development of FESTAC Phase 2 Internal Road and Mile Two–Badagry Road Bypass

Project Management



ESIA and Hydrological Survey for Iguemokhua Evboeka–Ona–Abe and Iguesogbon N'Ikpemeba Iguezama Unuamen Road Projects

ESIA & Resettlement Plan



ESIA and Hydrological Consultancy for Enugu – Port Harcourt Road Rehabilitation Project

ESIA & Resettlement Plan



PROJECT MANAGEMENT

INTEGRATING RESOURCES FOR OPTIMAL DELIVERY

- Project Planning and Scheduling
- Project Execution and Monitoring
- Cost Management and Budgeting
- Risk and Issue Management
- Procurement Management
- Project Closure and Evaluation

PROJECT MANAGEMENT

We provide end-to-end project management services that ensure timely, cost-effective, and high-quality delivery. With careful planning and expert oversight, we manage risks, resources, and schedules to achieve successful, sustainable outcomes.

KEY PROJECTS



DBFOT Development of FESTAC Phase 2 Internal Roads and Mile Two–Badagry–Airport Bypass

Technical Project Management



Development of Enugu–Port Harcourt Expressway and Onne–Obinze Greenfield Road

Contractual & Project Management



Consultant to the Enugu State Government for the Development of the New Enugu City

In Partnership with CEG UK LTD



Project Management, Design, and Supervision Consultancy for the development of the Enugu Transport Hubs

Sole Engineering Consultant



Development of Design, Build, Finance, Operate, and Transfer (DBFOT) of the Benin to Ekpoma Highway in Edo State

Contractual & Project Management



Development and analysis of EECDC Logistic Hub in partnership with Royal Haskoning

Contractual & Project Management



PPP TRANSACTION

COLLABORATIVE INVESTMENT OPPORTUNITIES

- Feasibility Studies and Project Structuring
- PPP Legal and Regulatory Advisory
- Financial Planning and Investment Structuring
- Procurement and Tendering Process Management
- Contract Management and Project Monitoring
- Stakeholder Engagement and Public Communication

PPP TRANSACTION

We facilitate PPPs that deliver vital infrastructure and services while creating value for communities. Our role ensures that every project is well-structured, compliant, and impactful.

KEY PROJECTS



PPP Transaction Advisory Services for KADPOLY Infrastructure Development funded by Private Finance

Transaction Adviser



HDMI PPP Transactions Traffic Studies & Revenue Forecasts for Benin–Asaba Highway

Joint Ventures with Peter Davidson Consultancy



Project Monitoring & Evaluation for River Jamieson SPV Ltd NGN24.5Bn Bond 1

Sole Engineering Consultant and Transaction Adviser



Enugu–Port Harcourt Expressway and Onne–Obinze Greenfield Road (Private Equity Funded)

Lead Consultant Transaction Adviser



Nigerian HDMI PPP Transactions, Traffic Studies and Modelling demand and revenue forecasts for Enyimba Economic City

Lead Consultant Transaction Adviser



Development of the resettlement action plan for the Rehabilitation Of Lagos–Ota Abeokuta Highway under HDMI funding Private Equity

Sole Engineering Consultant Transaction Adviser



PPP infrastructure for the London Heathrow Southern link rail project

Transaction Adviser

KEY PROJECTS



Development of Onitsha-Owerri-Aba Highway under Federal Government HDMI

Lead Technical Assistance



PPP DBOT Development of Benin–Ekpoma Highway, Edo State (Private Equity & DBSA Funded)

Transaction Adviser



PPP Consultancy Services for the Detailed Design and Construction Supervision of Enyimba Economic City Arterial and Boundary Roads

Lead Technical Assistance



PPP framework development and analysis of EEDC Logistic Hub in partnership with Royal Haskoning funded by Private Equity

Transaction Adviser



Development of Enugu to Port-Harcourt Highway under the Federal Government under HDMI Project

Sole Engineering Consultant

OUR IMPACT

Values, vision, and a team united as one



WHAT GUIDES US

PEOPLE

PROGRESS

SUSTAINABILITY

Our Expertise

We believe great engineering starts with great people. Our employees are more than team members, they are partners in progress. We cultivate a workplace that encourages curiosity, professional growth, and shared purpose, ensuring our collective success is built on their passion and expertise.

Capability
Empowered by expertise

Motivation
Driven by excellence

Creativity
Inspired by new ideas

Our Network

Our goal is to simplify the decision-making process for our clients, ensuring that the project meets its scope, performance, schedule, budget, and all other specified or implied requirements. We strive to build strong, trusting relationships with our clients, delivering results that encourage them to return to us for future project needs.

Content
Crafted with purpose

Confident
Committed to fulfillment

Assured
Embracing calm assurance

People

As a team, both management and staff, we are deeply connected to the communities we serve. Our projects are driven by a commitment to improve the areas where we work, pushing us to continually enhance our performance. We conduct thorough stakeholder consultations during the planning stages of each project, ensuring our proposals address the root causes of issues. Our aim is to drive positive change within society through our work. We take pride in revisiting completed projects and witnessing the satisfaction of the communities. Understanding the public's expectations for responsible and transparent use of resources, we hold ourselves accountable for our actions and decisions.

Engage
Working in partnership

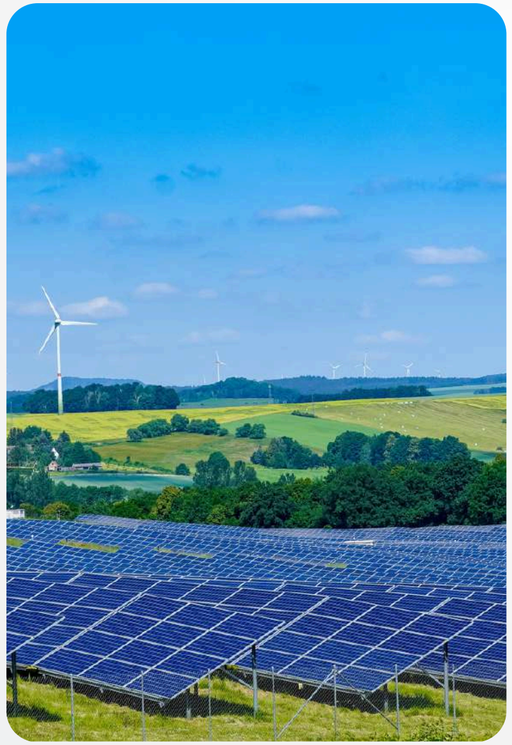
Resolve
Focused on solutions

Satisfy
Committed to meeting needs









Progress

Efficiently planned and executed infrastructure fosters economic growth. While costly solutions are easy, we focus on delivering cost-effective ones. Our planning, engineering, and project management ensure economic viability throughout construction, operation, and maintenance. Quality, cost-efficiency, and timely delivery are our priorities, with in-depth analysis of alternatives to find the best solutions. We also strive to innovate continuously, leveraging the latest technologies and methodologies to enhance project outcomes and provide long-term value to our clients and communities.

Strategy
Driven by insight

Building
Delivered with precision

Service
Efficiently driving progress

Sustainability

We are committed to providing sustainable planning solutions through the use of affordable technologies. Our approach involves carefully selecting materials and methods that prioritize environmental protection. We take responsibility in delivering projects that align with nature, conserve natural resources, and safeguard ecosystems. Through ecologically sound planning and design techniques, we address land-use conflicts and environmental pollution, ensuring our projects respect both the environment and forest regulations.

Preserve
Protecting nature's balance

Sustain
Safeguarding resources sustainably

Balance
Fostering environmental harmony

IMPACT BEYOND ENGINEERING

OUR COMMITMENT TO PEOPLE AND PLANET



- Supporting access to quality education through infrastructure, learning materials, and technical exposure in underserved communities.
- We engineer progress not just in infrastructure, out in lives. Every act of service moves the world.

Our Social Impact Initiative

Empowering Engineers

Providing hands on training, upskilling, and technical exposure for engineers



Workforce Upskilling

Equipping professionals with modern tools and methodologies for today's engineering demands



STEM for All

Offering basic tech and engineering lessons to school children



Sustainable Waste Infrastructure

Designing systems that support long-term waste management and environmental health



A WORKPLACE FOR EVERYONE

Where Individual Strengths Spark Collective Growth...

We are committed to fostering a diverse and inclusive environment where every engineering mind contributes to innovative, sustainable, and client-focused solutions.







ONE TEAM, ONE VISION

- ✓ Team Connect Sessions
- ✓ Innovative Corners
- ✓ Leadership Drop-Ins
- ✓ Culture Circles

Merit Driven Culture
Rewarding skills, not status

Where People Thrive
A space built for growth and excellence

Transparent Leadership
Accountable leadership, visible results

Collaborative Culture
Working better, together

Equal Access
No limits, just access

Trusted Partnership
Trust that drives transformation

Fostering Advancement
Engineering tomorrow's solutions



OUR PARTNERS

KPMG

SLOCAT
Partnership on Sustainable, Low Carbon Transport

CCCC
CHINA COMMUNICATIONS CONSTRUCTION COMPANY

UTL TRUST
MANAGEMENT SERVICES LIMITED

Afrinvest

GOVERNMENT OF ENUGU STATE

FEDERAL GOVERNMENT OF NIGERIA

EDO STATE GOVERNMENT NIGERIA

UK PACT

Enyimba Economic City
Development Company Limited
EECD

InstaToll

Allott (Nigeria) Limited
Consulting Engineers
Since 1975

CEG
Consulting Engineers Group UK Ltd.

FUNGTAI
Engineering company

AP3

AFRICA PLUS PARTNERS

SEI Stockholm Environment Institute

Africa Finance Corporation

peter davidson consultancy

HERBCO
"improving lives"

ICMG
Securities Limited
RC 174,789



OUR ADDRESS

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