

# ELALAN CONSTRUCTION LIMITED

## Company Profile & Capabilities Statement

**Corporate Headquarters:** 15 Adeola Odeku Street, Victoria Island, Lagos, Nigeria

**Registration Number:** RC 487623

**Date of Incorporation:** June 8, 2001

**Tax Identification Number:** 07829451-0001

### **Contact Information:**

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- Website: [www.elalanconstruction.com.ng](http://www.elalanconstruction.com.ng)

## **EXECUTIVE SUMMARY**

Elalan Construction Limited is a premier indigenous construction and civil engineering company with over 23 years of proven experience delivering landmark infrastructure projects across Nigeria and West Africa. We specialize in bridge construction, highway development, marine works, and large-scale commercial construction, serving federal and state governments, multinational corporations, and private developers.

Our unwavering commitment to quality, innovation, and client satisfaction has established us as a trusted partner for complex, high-value infrastructure projects. With a distinguished portfolio of over 180 successfully completed projects valued at ₦120 billion+ cumulatively, Elalan Construction continues to lead the industry in excellence, safety, and on-time delivery.

# SECTION 1: COMPANY BACKGROUND

## 1.1 Our History

Established in 2001 by a consortium of seasoned civil engineers with international experience, Elalan Construction Limited began operations with a focus on road construction and rehabilitation projects. Through consistent excellence and strategic growth, we have evolved into a full-service construction powerhouse capable of handling Nigeria's most challenging infrastructure projects.

### Key Milestones:

- **2001:** Company incorporated; inaugural project - Lekki-Ajah Road rehabilitation (₦65M)
- **2005:** First major bridge project - Bonny Island Access Bridge (₦480M)
- **2009:** Expanded into marine engineering with Lagos Lagoon Dredging project
- **2013:** Achieved triple ISO certification (9001, 14001, 18001)
- **2016:** Completed landmark Eko Atlantic City Infrastructure (₦5.8B)
- **2019:** Upgraded to ISO 45001:2018 for Occupational Health & Safety
- **2022:** Awarded "Infrastructure Company of the Year" by COREN
- **2024:** Successfully delivered Abuja-Kaduna Expressway expansion (₦7.2B)

## 1.2 Corporate Vision and Mission

**Vision:** To be the foremost construction partner in Africa, recognized for transforming infrastructure challenges into sustainable solutions that connect communities, drive economic prosperity, and set new standards of engineering excellence.

**Mission:** We deliver world-class construction services through cutting-edge technology, exceptional craftsmanship, and ethical business practices, while maintaining an uncompromising focus on safety, environmental stewardship, and stakeholder value creation.

### Core Values:

- **Integrity:** Ethical conduct and transparency in all business dealings
- **Excellence:** Relentless pursuit of superior quality and performance
- **Safety First:** Zero-tolerance approach to workplace hazards
- **Innovation:** Embracing advanced construction technologies and methodologies
- **Sustainability:** Environmental responsibility and community development
- **Collaboration:** Building lasting partnerships with clients and stakeholders

## SECTION 2: ORGANIZATIONAL STRUCTURE

### 2.1 Board of Directors

- **Engr. Dr. Emmanuel Okafor** - Chairman/CEO (Ph.D. Civil Engineering, B.Eng., M.Eng., COREN, FNSE)
- **Mrs. Aisha Abdullahi** - Executive Director, Finance & Strategy (B.Sc. Accounting, M.Sc. Finance, FCA, MBA)
- **Engr. Oluwaseun Adeyemi** - Executive Director, Operations (B.Eng. Civil, M.Eng. Construction Management, COREN, PMP)
- **Barr. Chinedu Okeke** - Company Secretary/Legal Counsel (LLB, LLM, BL)
- **Engr. Fatima Ibrahim** - Non-Executive Director (B.Eng., COREN, 30 years industry experience)

### 2.2 Senior Management Team

#### Engineering & Technical Division:

- Engr. Babatunde Ojo - General Manager, Civil Engineering (18 years experience, COREN)
- Engr. Amina Yusuf - Chief Structural Engineer (16 years experience, Ph.D. candidate)
- Engr. Chukwudi Nwankwo - Project Director, Bridge Works (14 years experience)
- Engr. Folake Adeleke - Head, Design & Innovation (12 years experience, BIM certified)

#### Operations & Quality Division:

- Mr. Yusuf Mohammed - Chief Operations Officer (20 years experience)
- Engr. Blessing Okonkwo - Quality Assurance Director (IRCA Lead Auditor, ISO certified)
- Mr. Adebayo Lawal - HSE Director (NEBOSH Diploma, IOSH, 15 years experience)
- Engr. Chinwe Eze - Equipment & Logistics Manager

#### Finance & Administration:

- Mrs. Ngozi Obi - Chief Financial Officer (ACA, MBA Finance)
- Mr. Taiwo Adewale - Human Resources Director (CIPM, SHRM-SCP)
- Mrs. Hauwa Bello - Procurement Manager (CIPS certified)

### 2.3 Workforce Strength

- **Total Permanent Employees:** 428
- **COREN-Registered Engineers:** 67
- **Skilled Technical Staff:** 186
- **Supervisory & Administrative Staff:** 175
- **Typical Project Deployment:** 100-200 personnel per major project
- **Subcontractor Network:** 150+ specialized contractors nationwide

# **SECTION 3: TECHNICAL CAPABILITIES**

## **3.1 Core Competencies**

### **1. Bridge & Flyover Construction**

- Reinforced concrete bridges (span up to 250m)
- Pre-stressed concrete structures
- Steel composite bridges
- Cable-stayed and suspension bridges
- Pedestrian flyovers and skywalks
- Bridge rehabilitation and strengthening
- Deep foundation works (piling to 70m depth)

### **2. Highway & Expressway Development**

- Interstate highway construction
- Urban expressway networks
- Dual carriageway development
- Road rehabilitation and overlay
- Flexible and rigid pavement systems
- Interchange and junction improvements
- Advanced drainage systems

### **3. Marine & Waterfront Engineering**

- Jetty and wharf construction
- Breakwater and coastal protection
- Marine pile driving (steel and concrete)
- Dredging and land reclamation
- Shore protection structures
- Underwater foundation works

### **4. Commercial & Institutional Building**

- High-rise commercial towers (up to 25 floors)
- Industrial complexes and factories
- Shopping malls and retail centers
- Educational institutions and hospitals
- Government administrative buildings
- Residential estate development

### **5. Specialized Services**

- Geotechnical investigation and soil stabilization

- Structural health monitoring systems
- Traffic management and ITS implementation
- Value engineering and constructability reviews
- Project management consultancy

## **3.2 Equipment & Plant Inventory**

Elalan Construction operates a modern fleet valued at over ₦3.2 billion:

### **Heavy Construction Equipment:**

- 4 x Liebherr LTM 1300/1500 Mobile Cranes (300-ton & 500-ton capacity)
- 3 x Concrete Batching Plants (100m<sup>3</sup>/hour capacity each)
- 6 x Hydraulic Piling Rigs (capable of 70m depth)
- 10 x Excavators (CAT 349, Komatsu PC450, Volvo EC480)
- 10 x Bulldozers (CAT D9T, D10T, Komatsu D375)
- 15 x Wheel Loaders (CAT 980, 990; Volvo L220)

### **Transport & Logistics Fleet:**

- 35 x Tipper Trucks (25-ton capacity)
- 20 x Concrete Transit Mixers (10m<sup>3</sup> capacity)
- 15 x Low-bed Trailers (equipment hauling)
- 30 x Light Commercial Vehicles (site supervision)

### **Road Construction Equipment:**

- 4 x Asphalt Pavers (Vogele Super 2100, ABG Titan)
- 8 x Compactors & Pneumatic Rollers (Bomag, Dynapac)
- 3 x Asphalt Plants (160 tons/hour capacity)
- 6 x Motor Graders (CAT 140M, 160M)
- 4 x Milling Machines (Wirtgen W200)

### **Marine Equipment:**

- 2 x Floating Cranes (200-ton capacity)
- 3 x Marine Work Barges
- 2 x Cutter Suction Dredgers
- Diving equipment and underwater inspection systems

### **Support Infrastructure:**

- 12 x Generators (750kVA - 1500kVA)
- Survey equipment (Leica Total Stations, RTK-GPS, UAV drones)
- BIM and 3D modeling workstations
- Project management software suites (Primavera P6, MS Project)

### **3.3 Quality Testing Facilities**

#### **In-House NABL-Accredited Laboratory:**

- Concrete strength testing (compression, flexure, tensile)
- Soil mechanics laboratory (CBR, compaction, consolidation, triaxial tests)
- Aggregate quality testing (grading, Los Angeles abrasion, specific gravity)
- Asphalt testing (Marshall stability, binder properties, density)
- Steel reinforcement testing (tensile strength, bend tests)
- Non-destructive testing equipment (ultrasonic, rebound hammer, GPR)

#### **Laboratory Capacity:**

- Concrete cube testing: 500 samples/week
- Soil testing: 200 samples/week
- Asphalt testing: 100 samples/week
- Turnaround time: 24-48 hours for routine tests

## SECTION 4: CERTIFICATIONS & ACCREDITATIONS

### 4.1 Quality Management Systems

- **ISO 9001:2015** - Quality Management System  
(Certified: 2013, Last Recertification: March 2024)
- **ISO 14001:2015** - Environmental Management System  
(Certified: 2014, Last Recertification: March 2024)
- **ISO 45001:2018** - Occupational Health & Safety Management  
(Certified: 2019, Last Recertification: April 2024)

**Certifying Body:** Lloyd's Register Quality Assurance (LRQA)

### 4.2 Professional Memberships & Registrations

- **Federal Ministry of Works and Housing** - Category A1 Contractor (Roads, Bridges, Marine Works)
- **Council for the Regulation of Engineering in Nigeria (COREN)** - Corporate Member (Reg. No. CE/2001/487)
- **Nigerian Society of Engineers (NSE)** - Corporate Member
- **Federation of Construction Industry (FOCI)** - Member
- **Bureau of Public Procurement (BPP)** - Registered Contractor (All Categories)
- **Lagos State Public Procurement Agency** - Approved Vendor
- **Rivers State Tender Board** - Registered Contractor
- **National Association of Civil Engineering Contractors (NACEC)** - Member

### 4.3 Industry Awards & Recognition

- **2022:** "Infrastructure Company of the Year" - Council for the Regulation of Engineering in Nigeria (COREN)
- **2021:** "Best Bridge Construction Project" - Nigerian Building & Road Research Institute (NBRRI)
- **2020:** "Excellence in Construction Safety" - Nigerian Institute of Safety Professionals (NISP)
- **2019:** "Corporate Social Responsibility Award" - Lagos State Government
- **2018:** "Most Innovative Construction Company" - Federation of Construction Industry (FOCI)

### 4.4 Financial Standing & Credit Rating

- **Credit Rating:** A (Stable Outlook) - Agosto & Co. Limited (December 2024)
- **Annual Turnover (2022):** ₦5.4 billion
- **Annual Turnover (2023):** ₦6.9 billion
- **Annual Turnover (2024):** ₦8.7 billion



- **3-Year Average Turnover:** ~~₦~~7.0 billion
- **Net Profit Margin:** 9.2% (2024)
- **Banking Partners:**
  - First Bank of Nigeria Plc (Primary Banker)
  - Zenith Bank Plc
  - Access Bank Plc
  - United Bank for Africa (UBA) Plc
- **Credit Facilities:**
  - Revolving Credit Line: ~~₦~~3.5 billion (secured)
  - Bank Guarantee Facility: ~~₦~~1.5 billion
  - Equipment Lease Financing: ~~₦~~800 million

# SECTION 5: MAJOR PROJECT PORTFOLIO

## 5.1 Landmark Bridge Projects

### 1. Lagos-Badagry Expressway Bridge Network (2021-2023)

- **Client:** Lagos State Government
- **Contract Value:** ₦6.2 billion
- **Scope:** Construction of 4 major bridges (total 3.8km)
- **Duration:** 24 months
- **Key Features:**
  - Main bridge: 1.6km pre-stressed concrete structure
  - Dual carriageway (4 lanes each direction)
  - Pile foundation (50m depth in swampy terrain)
  - Integrated LED lighting and ITS systems
  - Advanced drainage and waterproofing
- **Status:** Completed February 2023; Successfully commissioned
- **Performance:** Delivered 1 month ahead of schedule

### 2. Niger River Bridge, Lokoja (2018-2020)

- **Client:** Federal Ministry of Works
- **Contract Value:** ₦4.8 billion
- **Scope:** Construction of 1.2km cable-stayed bridge
- **Key Features:**
  - Main span: 320m (single pylon design)
  - Navigation clearance: 25m above high water level
  - Seismic-resistant design
  - Foundation: Drilled shafts to 45m depth in riverbed
- **Status:** Operational since November 2020
- **Recognition:** Awarded "Best Bridge Design" by NBRRI

### 3. Port Harcourt Ring Road Flyovers (2016-2018)

- **Client:** Rivers State Government
- **Contract Value:** ₦3.2 billion
- **Scope:** Construction of 6 grade-separated intersections
- **Key Features:**
  - Total length: 4.5km of elevated structures
  - Reinforced concrete box girders
  - Urban traffic management during construction
- **Status:** Completed and operational

#### 4. Abuja Airport Road Interchange (2014-2015)

- **Client:** Federal Capital Territory Administration (FCTA)
- **Contract Value:** ₦1.9 billion
- **Scope:** Multilevel interchange with 3 flyovers
- **Status:** Successfully completed

### 5.2 Major Highway & Expressway Projects

#### 1. Abuja-Kaduna Expressway Expansion (2022-2024)

- **Client:** Federal Ministry of Works
- **Contract Value:** ₦7.2 billion
- **Scope:** Dualization and rehabilitation of 45km section
- **Key Features:**
  - Dual carriageway (3 lanes each direction)
  - 18 major culverts and bridges
  - Full-depth pavement reconstruction
  - Concrete median barriers
  - Street lighting (15km urban sections)
  - 8 bus stops and rest areas
- **Status:** Completed November 2024
- **Performance:** Zero LTIs during 2.5 years of construction

#### 2. Lekki-Epe Expressway Phase II (2019-2021)

- **Client:** Lagos State Government / Lekki Concession Company
- **Contract Value:** ₦5.6 billion
- **Scope:** Construction of 25km toll expressway
- **Key Features:**
  - 6-lane divided highway
  - 4 electronic toll plazas
  - Advanced drainage systems
  - Street lighting and landscaping
- **Status:** Operational; Currently collecting tolls

#### 3. Enugu-Port Harcourt Expressway Section (2017-2019)

- **Client:** Federal Ministry of Works
- **Contract Value:** ₦4.1 billion
- **Scope:** Reconstruction of 32km highway section
- **Status:** Completed and commissioned

#### **4. Kano Western Bypass (2015-2017)**

- **Client:** Kano State Government
- **Contract Value:** ₦2.8 billion
- **Scope:** Construction of 18km bypass road
- **Status:** Successfully completed

### **5.3 Marine & Coastal Projects**

#### **1. Eko Atlantic City Infrastructure (2014-2016)**

- **Client:** South Energyx Nigeria Limited
- **Contract Value:** ₦5.8 billion
- **Scope:** Coastal protection and marine infrastructure
- **Key Features:**
  - 8.5km rock revetment (Great Wall of Lagos)
  - Sand filling and compaction (9 million m<sup>3</sup>)
  - Storm drainage outfalls
  - Breakwater construction
- **Status:** Completed; City development ongoing

#### **2. Bonny Island Export Terminal Jetty (2020-2021)**

- **Client:** Nigeria LNG Limited
- **Contract Value:** ₦3.4 billion
- **Scope:** Construction of 280m heavy-duty jetty
- **Key Features:**
  - Steel tubular piles (45m depth)
  - Concrete deck (capacity: 500 tons/m<sup>2</sup>)
  - Berthing dolphins and fender systems
  - Fire fighting and utility systems
- **Status:** Operational since March 2021

#### **3. Victoria Island Shoreline Protection (2012-2013)**

- **Client:** Lagos State Government
- **Contract Value:** ₦1.6 billion
- **Scope:** 3.2km coastal erosion control
- **Status:** Completed; Performing excellently

### **5.4 Commercial Building Projects**

#### **1. Zenith Bank Headquarters Tower, Lagos (2018-2020)**

- **Client:** Zenith Bank Plc

- **Contract Value:** ₦4.2 billion
- **Scope:** 22-story office tower + 4-level basement parking
- **Key Features:**
  - Built-up area: 35,000m<sup>2</sup>
  - Pile foundation (35m depth)
  - Curtain wall façade
  - LEED Gold pre-certification
- **Status:** Completed and occupied

## 2. Nnamdi Azikiwe University Teaching Hospital (2019-2021)

- **Client:** Federal Ministry of Health
- **Contract Value:** ₦3.8 billion
- **Scope:** 250-bed hospital complex
- **Status:** Completed and operational

## 3. Jabi Lake Mall, Abuja (2015-2017)

- **Client:** Projacs International Limited
- **Contract Value:** ₦2.9 billion
- **Scope:** 4-story shopping mall (25,000m<sup>2</sup>)
- **Status:** Operational since 2017

## SECTION 6: HEALTH, SAFETY & ENVIRONMENT (HSE)

### 6.1 HSE Policy & Culture

Elalan Construction is committed to a **"Safety Above All"** philosophy. Every project begins with a comprehensive HSE plan, and we maintain a culture where every team member has the authority to stop work if safety is compromised.

#### HSE Vision:

*"Zero Harm - Every Person, Every Day, Every Project"*

### 6.2 Safety Performance Indicators (2024)

- **Total Man-Hours Worked:** 3,847,000 hours
- **Lost Time Injuries (LTI):** 4 incidents
- **Lost Time Injury Frequency Rate (LTIFR):** 0.10  
*(Industry benchmark: 2.5)*
- **Total Recordable Injury Rate (TRIR):** 0.28  
*(Industry benchmark: 5.0)*
- **Fatalities:** 0 (Zero fatalities since 2015)
- **Near-Miss Reporting Rate:** 97%
- **HSE Training Hours:** 38,400 hours
- **Safety Audits Conducted:** 284 (internal and external)
- **Safety Awards Received:** 3 (from DPR, NISP, NECA)

### 6.3 HSE Training & Competency

#### Mandatory Certifications:

- All site supervisors: NEBOSH International General Certificate (IGC)
- HSE officers: NEBOSH Diploma / IOSH Managing Safely
- Equipment operators: Certified by approved training centers
- First aiders: Minimum 2 per 50 workers (St. John Ambulance certified)
- Fire marshals: Trained and drilled quarterly

#### Continuous Training Programs:

- Monthly toolbox talks (100% attendance)
- Weekly safety briefings
- Quarterly emergency response drills
- Annual HSE refresher training for all staff
- Specialized training: Working at heights, confined spaces, electrical safety, etc.

## **6.4 Environmental Commitment**

### **Environmental Management Initiatives:**

- Carbon footprint tracking and reduction targets
- Waste segregation and recycling (85% diversion rate)
- Water conservation and rainwater harvesting
- Use of eco-friendly materials where feasible
- Biodiversity protection in sensitive areas
- Air quality and noise monitoring
- Community environmental education programs

### **Environmental Compliance:**

- Environmental Impact Assessment (EIA) for all major projects
- Regular monitoring and reporting to regulatory agencies
- Zero environmental non-compliance notices in 2024

## **6.5 Community Health & Safety**

- Free medical screenings in host communities (quarterly)
- Road safety awareness campaigns
- Donation of PPE to community health centers
- Emergency response support to local authorities
- Employment of community safety liaisons

# SECTION 7: PRICING METHODOLOGY & COST STRUCTURE

## 7.1 Cost Estimation Approach

Elalan Construction employs a transparent, data-driven pricing model based on:

### 1. Direct Costs (70-75% of total):

- Materials (40-45%)
- Labor (18-22%)
- Equipment (8-12%)
- Subcontractors (4-8%)

### 2. Indirect Costs (15-18%):

- Project management and supervision (6-8%)
- Site establishment and utilities (3-4%)
- Quality assurance and testing (2-3%)
- HSE compliance (2-3%)

### 3. Overheads & Profit (10-12%):

- Corporate overheads (3-4%)
- Contingencies (3-4%)
- Profit margin (8-12% depending on project risk)

## 7.2 Pricing Benchmarks (2024 Rates)

### Bridge Construction:

- Reinforced concrete bridge: ~~₦~~320,000 - ~~₦~~420,000 per linear meter
- Pre-stressed concrete bridge: ~~₦~~380,000 - ~~₦~~500,000 per linear meter
- Steel composite bridge: ~~₦~~450,000 - ~~₦~~600,000 per linear meter
- Bored piles (1200mm diameter): ~~₦~~95,000 - ~~₦~~140,000 per linear meter
- Pile cap and foundation works: ~~₦~~180,000 per m<sup>3</sup>
- Bridge deck (reinforced concrete): ~~₦~~48,000 per m<sup>2</sup>

### Highway & Road Works:

- Asphalt overlay (50mm thickness): ~~₦~~9,200 per m<sup>2</sup>
- Full-depth flexible pavement: ~~₦~~24,500 per m<sup>2</sup>
- Rigid concrete pavement (250mm): ~~₦~~32,000 per m<sup>2</sup>
- Earthworks (cut & fill): ~~₦~~2,800 per m<sup>3</sup>
- Drainage culverts: ~~₦~~220,000 - ~~₦~~480,000 per unit



- Asphalt surfacing (base + binder + wearing course): ~~₦~~18,500 per m<sup>2</sup>

#### **Marine Works:**

- Rock revetment: ~~₦~~45,000 per m<sup>3</sup>
- Concrete jetty: ~~₦~~380,000 per m<sup>2</sup>
- Steel tubular piles (marine): ~~₦~~185,000 per linear meter
- Dredging: ~~₦~~4,500 per m<sup>3</sup>

#### **Building Construction:**

- High-rise office building: ~~₦~~280,000 - ~~₦~~420,000 per m<sup>2</sup>
- Industrial warehouse: ~~₦~~180,000 - ~~₦~~240,000 per m<sup>2</sup>
- Residential building (medium-rise): ~~₦~~220,000 - ~~₦~~320,000 per m<sup>2</sup>

**Note:** Rates subject to project-specific conditions, location, material availability, and economic factors. Prices exclude VAT.

### **7.3 Value Engineering Services**

Elalan Construction offers value engineering reviews to optimize project costs without compromising quality:

- Alternative material specifications
- Construction methodology optimization
- Design-build approaches
- Lifecycle cost analysis
- Constructability reviews

**Typical Value Engineering Savings:** 8-15% of original estimated cost

## **SECTION 8: CLIENT REFERENCES**

### **8.1 Public Sector Clients**

#### **Federal Government Agencies:**

- Federal Ministry of Works and Housing
- Federal Capital Territory Administration (FCTA)
- Nigerian Ports Authority
- Federal Ministry of Health
- Federal Airports Authority of Nigeria (FAAN)

#### **State Governments:**

- Lagos State Government (Ministry of Works & Infrastructure)
- Rivers State Government
- Kano State Government
- Enugu State Government
- Federal Capital Territory (FCT) Abuja

### **8.2 Private Sector Clients**

#### **Multinational Corporations:**

- Nigeria LNG Limited
- Chevron Nigeria Limited
- TotalEnergies Nigeria
- Shell Petroleum Development Company (SPDC)
- MTN Nigeria Communications Limited

#### **Financial Institutions:**

- Zenith Bank Plc
- First Bank of Nigeria Limited
- Access Bank Plc
- United Bank for Africa (UBA) Plc

#### **Real Estate Developers:**

- South Energyx Nigeria Limited (Eko Atlantic)
- Lekki Concession Company Limited
- Julius Berger Nigeria Plc (Joint Venture Partner)
- Dangote Group

## **8.3 Reference Contacts**

**Available upon request with client approval.**

We maintain strict confidentiality agreements but can provide verified references through:

- Written testimonials
- Client satisfaction surveys
- Site visit arrangements to completed projects
- Direct client contact (with prior authorization)

## SECTION 9: FINANCIAL INFORMATION

### 9.1 Financial Performance Summary (Audited Accounts)

Financial Year	Turnover (₦ Billion)	Gross Profit (₦ Million)	Net Profit (₦ Million)	Projects Completed
2022	5.4	894	468	14
2023	6.9	1,173	621	18
2024	8.7	1,566	801	22

**Growth Metrics:**

- Revenue CAGR (2022-2024): 27%
- Profit Margin Trend: Improving (8.7% → 9.0% → 9.2%)
- Project Success Rate: 100% (on-time or early delivery)

### 9.2 Balance Sheet Highlights (As of December 31, 2024)

- **Total Assets:** ₦7.8 billion
- **Fixed Assets (Net):** ₦3.2 billion
  - Plant & Equipment: ₦2.8 billion
  - Land & Buildings: ₦400 million
- **Current Assets:** ₦4.6 billion
  - Cash & Bank Balances: ₦1.8 billion
  - Trade Receivables: ₦2.2 billion
  - Inventory: ₦600 million
- **Shareholders' Equity:** ₦5.4 billion
- **Long-Term Debt:** ₦1.2 billion (equipment financing)
- **Current Liabilities:** ₦1.2 billion

**Key Financial Ratios:**

- Current Ratio: 3.8 (Excellent liquidity)
- Debt-to-Equity: 0.22 (Low leverage)
- Return on Equity (ROE): 14.8%
- Return on Assets (ROA): 10.3%

### 9.3 Banking Relationships & Credit Facilities

**Primary Bankers:**

- First Bank of Nigeria Plc (Account since 2001)

- Turnover: ₦25-35 billion annually
- Credit Rating: Category A (Excellent)

**Credit Facilities (Total: ₦5.8 billion):**

1. Revolving Credit Line: ₦3.5 billion
  - Purpose: Working capital and project financing
  - Utilization: 65% (₦2.3B drawn down)
  - Security: Debenture over assets
2. Bank Guarantee Facility: ₦1.5 billion
  - Purpose: Performance bonds, advance payment guarantees
  - Outstanding guarantees: ₦980 million
3. Equipment Financing: ₦800 million
  - Purpose: Fleet expansion
  - Tenure: 5-7 years
  - Interest Rate: 12% per annum

**Bank Performance Report (2024):**

- Loan repayment history: 100% on-time
- No defaults or restructuring
- Credit limit increases: 3 times in past 5 years
- Banker's testimonial: Available upon request

## 9.4 Insurance Coverage

**Comprehensive Insurance Portfolio:**

- Contractor's All Risk (CAR): ₦10 billion per project
- Third-Party Liability: ₦2 billion per occurrence
- Professional Indemnity: ₦1.5 billion
- Workmen's Compensation: Full workforce coverage
- Marine Insurance: ₦3 billion (for marine projects)
- Plant & Equipment Insurance: ₦3.5 billion (fleet value)
- Directors' & Officers' Liability: ₦500 million

**Insurance Partners:**

- NSIA Insurance Limited
- AXA Mansard Insurance Plc
- Leadway Assurance Company Limited

# SECTION 10: INNOVATION & TECHNOLOGY

## 10.1 Digital Construction Technologies

### Building Information Modeling (BIM):

- Autodesk Revit for 3D modeling
- Navisworks for clash detection and 4D simulation
- Civil 3D for infrastructure design
- BIM 360 for cloud collaboration

### Project Management Software:

- Primavera P6 for scheduling and resource management
- MS Project for smaller projects
- Procore for document management and field collaboration
- Power BI dashboards for real-time project analytics

### Site Technology:

- UAV (Drone) surveys for site monitoring and progress tracking
- GPS-guided machinery for precision earthworks
- IoT sensors for concrete curing monitoring
- Mobile apps for daily progress reporting and quality inspections
- RFID tags for equipment and material tracking

### Design & Analysis Tools:

- SAP2000, ETABS for structural analysis
- AutoCAD Civil 3D for road design
- PLAXIS for geotechnical modeling
- HEC-RAS for hydraulic analysis

## 10.2 Sustainability & Green Construction

### Eco-Friendly Practices:

- Use of recycled materials (crushed concrete for sub-base, fly ash in concrete)
- Solar-powered site offices and lighting
- Rainwater harvesting systems
- Energy-efficient equipment (reduced emissions)
- Local material sourcing (reduced transportation carbon footprint)

**Green Building Certifications:**

- Trained LEED Accredited Professionals (3 staff members)
- Experience with EDGE-certified projects
- Partnership with Nigerian Green Building Council (NGBC)

**10.3 Research & Development****In-House R&D Initiatives:**

- Testing alternative binder materials for asphalt (polymer-modified bitumen)
- Developing high-strength concrete mixes for marine environments
- Researching cost-effective foundation solutions for swampy terrain
- Collaboration with universities (University of Lagos, Ahmadu Bello University)

**Innovation Achievements:**

- Patented foundation system for soft soils (pending approval)
- Developed proprietary project management framework (Elalan Project Delivery System - EPDS)
- Published 8 technical papers at engineering conferences (2022-2024)

# **SECTION 11: CORPORATE SOCIAL RESPONSIBILITY (CSR)**

## **11.1 Community Development Programs**

### **Education Support:**

- Annual scholarship scheme: 30 engineering students (₦15 million/year)
- Donation of books and equipment to schools in project areas
- Career mentorship program for secondary school students
- Sponsorship of engineering competitions

**\*\*Skills Training**