

AKMA ENGINEERING NIGERIA LIMITED



PROFILE



- TELECOMMUNICATION-BACKBONE AND BTS SITE BUILT
- EQUIPMENT SUPPLY AND INSTALLATION INCLUDING SOLAR SYSTEMS
- DETAILED ENGINEERING DESIGNS
- AS-BUILT DOCUMENTATION
- CIVIL, MECHANICAL AND ELECTRICAL ENGINEERING WORKS
- CONSTRUCTION OF ROADS, BUILDINGS, BRIDGES, EARTHWORKS & TURNKEY ENGINEERING INFRASTRUCTURES
- FIBRE OPTIC CABLE INSTALLATIONS
- OIL AND GAS ENGINEERING

TABLE OF CONTENTS

REF	DESCRIPTION
A	INTRODUCTION
B	CONSTRUCTION SERVICES
C	ENGINEERING DESIGN SERVICES
D	KEY STAFF STRENGTH
E	CONTACT DETAILS
F	PAST EXPERIENCE/SOME SIMILAR JOBS DONE
G	CERTIFICATE OF INCORPORATION
H	PHOTO GALLERY
I	APPENDIX

A. ABOUT THE COMPANY

INTRODUCTION

AKMA Engineering Nig Ltd is wholly an indigenous and a multidisciplinary engineering Company providing engineering and construction services in the oil and gas, telecommunication, Civil Engineering Industry etc, with registration no: RC 610798. The Company has enjoyed stable and continuous growth ever since its incorporation on the Ninth day of November 2004.

AKMA Engineering is founded and managed by professionals with several years of experience in our chosen line of business. The management is ably supported by a pool of professional Engineers with vast experiences in the oil and gas industry, Civil Engineering, construction of Bridges, Earthworks and Turnkey Engineering Infrastructures.

The company has since inception successfully completed numerous projects in private and public sectors of the economy. These statements on the company's capabilities has been prepared to serve as a broad information and judgment aid for appraising AKMA's capabilities and consequently resolving the all important question of whether or not the company is worthy of patronage.

QUALITY POLICY STATEMENT

We are committed to providing competitive technical services related to all our various fields of expertise that is aimed to achieve customer satisfaction at all times.

To achieve this, we will:

Continually improve the effectiveness of the quality management system (QMS) and set quality objectives and work plans;

Be committed to upgrading the capabilities of our technical and administrative staff through formal training and continuous technical quality awareness.

VISION STATEMENT

To be the dominant Nigerian company providing world-class services in our chosen lines of business.

OUR CORE VALUES

- ✓ Excellence
- ✓ Expertise
- ✓ Value
- ✓ Professionalism
- ✓ Dedication

Our capabilities range from feasibility studies to Turnkey contracts, including project management, engineering design, construction and commissioning activities.

AKMA Engineering has the capacity to undertake specific phases of a project, either as a main contractor or as a subcontractor.

Our key activities are:

- ✓ Construction Management
- ✓ Construction Services
- ✓ Feasibility Studies
- ✓ Front End Engineering/ Conceptual Design for oil and /or Gas Plants
- ✓ Compression Studies
- ✓ Detailed Design/ Engineering
- ✓ As-built Documentation

B. CONSTRUCTION SERVICES



AKMA Engineering Limited has the expertise to handle diverse range of construction services as required by our clients. Our staff has the ability to carry out equipment specification and to develop structures that meet client's requirements.

Some of our Civil Engineering Construction Services Includes:

- Telecomm Turnkey project including but not limited to civil, electrical, RF and equipment installations.
- Road Construction: From Initial stages, Rehabilitation or Surface Dressing
- Drainage structures- Flood and Erosion Control
- Foundation and Underground Construction
- Pile Construction
- Slopes Embankment
- Construction of Complex Buildings
- Basement Constructions
- Retaining Structures: Water Retaining Structures, Retaining Walls
- Sewage Construction etc
- Soundproof wall and Acoustic Sound absorption Constructions/installations



Construction Services Contd....

- CIVIL ENGINEERING
- CONSTRUCTION OF ROADS
 - BUILDINGS
 - BRIDGES
 - EARTHWORKS
 - TURNKEY ENGINEERING INFRASTRUCTURES



C.

ENGINEERING DESIGN SERVICES



- **Process**
- **Electrical**
- **Mechanical**
- **Instrumentation**
- **Civil/Structural**
- **Piping**

PROCESS ENGINEERING

AKMA Process Engineering covers a wide range of services amongst which are:

- Line sizing
- Operation Philosophy
- Basis of Design (BOD)
- Process Flow Diagram (PFD)
- Process Safety Flow Diagram (PSFD)
- Safety Analysis Function Evaluation (SAFE) chart
- Piping and Instrumentation Diagram (P&ID)
- Equipment Lists
- Line Schedule
- Data Sheet

ELECTRICAL ENGINEERING

AKMA Electrical Engineering covers a wide range of services amongst which are:

- Power generation (High, Medium and Low Voltage) Engineering Design
- Power Distribution (High, Medium and Low Voltage) Engineering Design
- Substation and MCC Engineering Design (High and Medium Voltage)
- DC System, Batteries back up UPS System Design
- Electrical Control System Design
- Power Survey, Electrical Study and reports
- Cathodic Protection System Design
- Protective Relay System Design
- Relay Coordination study
- Power Quality and Failure Analysis Study
- Load Shedding System design
- Turbine Generator system Design
- Emergency Diesel Generator System Design
- Variable System Drive Frequency Design
- Project Scope Development and Cost estimating

- Facility Documentation Upgrade
- NEC Code Analysis Interpretation
- Power Factor Improvement
- Hazardous Area Classifications and System Design

MECHANICAL ENGINEERING

AKMA Mechanical Engineering covers a wide range of services amongst which are:

- Equipment Specification
- Preparation of Mechanical design Deliverables such as:
 - ✓ General specifications for equipment and vessel
 - ✓ Mechanical data sheets for equipment and vessels
 - ✓ Bill of materials and engineering measurements
- Sizing and Mechanical design of equipment and vessel
- Review and approval of vendor documents and drawings for client
- Preparing and analyzing data sheets for flow station facilities, like the various Gas compressors and Electric Power Generators for flow station upgrade, Gas Turbo generators for gas plant upgrade, cooler and pressure vessels etc.
- Design , Analysis and specification for different oil & gas process mechanical packages
- Sizing, thermal and Mechanical design Calculation of cooler and pressure vessels
- Industrial HVAC Design
- Pneumatic and mechanical conveying system designs
- Specialty machinery design, fabrication and installation supervision
- ASME pressure vessels, Heat exchangers, API gravity separators and others.

INSTRUMENTATION ENGINEERING

- Technical Specifications
- Data Sheets
- Logic Diagrams
- Bulk Instrument Material takeoff
- Instrument hook-up drawings
- Instrument list

- Instrument air piping drawings
- Instrument System wiring diagram
- System specification
- System equipment list
- Loop drawings
- I/O Schematics
- Wiring block diagram
- Field device connection detail
- Conduits and Cables schedules
- Instrument lay-out drawings
- Cable tray lay-out
- Control room wiring layout

CIVIL/ STRUCTURAL ENGINEERING

- Foundation Design
- Basement design
- Onshore and offshore structure design
- Pile drivability analysis
- Design fabrication drawings
- Engineering Surveys

PIPING ENGINEERING

- Equipment layout
- Piping Design including
 - ✓ Piping plans
 - ✓ Piping sections
 - ✓ Piping elevations
 - ✓ Piping general arrangement drawings
 - ✓ Piping support design
- Packaged models plans/sections/elevations
- Piping Isometrics/Fabrication spools/Tie-ins
- ASME code pressure vessel design and drafting
- API storage tanks design and drafting

- On site design assistance
- Design verification exercise/review of vendor drawings
- Generating of Piping study and development of online shoots
- Piping stress analysis
- Preparation from 3-D piping drawings
- Preparation of Bill of Materials/ piping specialty items
- Design calculations

D. KEY STAFF

S/ N	NAME	DESIGNATION	QUALIFICATION
1	Engr. Akhigbe M. Adodo	Managing Director	B.Eng (Civil Eng), MBA, COREN, CILRM
2	Stephen Odianoson	Project Director	B.Eng (Elec/Electronics), MBA, COREN, NSE
3	Vincent Oigiangbe	Project Manager	B.Eng (Civil Eng)
4	Linda Onyemaechi	Accountant	Bsc (Banking and Finance)
5	Tony Ezeagwu	Project Manager	B.Eng (Civil Eng), MBA
6	Ehikioya Adodo	Project Manager	B.Sc (Mcb)
7	Aladeyo T. Laide	Procurement Manager	HND (Marketing)
8	Victor Okoise	Site Engineer /supervisor	B.Eng (Elec/Electronics Eng)
9	Olawumi Toluwani	QA/QC Coordinator	B.Sc (Civil Eng)
10	Felix Ikhienarolor	Site Engineer	B.Eng (Elec/Electronics Engr)
11	Williams Egbelle	Site Engineer	B.Eng (Civil Eng)
12	Julius Akhimen	Site Engineer	HND (Civil Eng)
13	Agbebaku Jacob	SiteEngineer / supervisor	HND (Civil Eng)
14	Paul Oigiangbe	Site Engineer	B.Eng (Elec/Electronics Engr)
15	John Imonikhe	Logistics Manager	B.Sc (business admin)
16	Onoja John	Lead Rigger	B.A (Soc), Msc.

Note: AKMA has over 30 contract staffs

E. CONTACT DETAILS

AKMA ENGINEERING NIGERIA LIMITED

Address: 3rd Floor, 35 Olowu Street,
Ikeja, Lagos

Tel: +234(0)803-9799151
+234(0)81-71933917

Email: info@akmaengineering.com
akmaengineering@yahoo.com

Website: www.akmaengineering.com

F. SOME SIMILAR JOBS COMPLETED AND OTHER PAST EXPERIENCE

S/N	AWARDED DATE	Project Description/T.Nos	Site Location	Client & end user
1	Oct 2021- Till Date	Civil works at Mast locations	Enugu, Akure	GLOBACOMM
2.	Nov 2020	Internal Renovation and partitioning of Isolo Warehouse	Lagos	Huawei Technologies
3.	Sept 2020	Construction of a Badminton Court(VI 17)	Lagos	Huawei Technologies
4.	Feb 2018	OGUN_0269B Civil Built Up and Electrical installation	Ogun	Ison IT Solutions Ltd
5	Feb 2018	OGUN_0283B Civil Built Up and Electrical installation	Ogun	Ison IT Solutions Ltd
6.	Oct 2016	KAD_1134C Civil Built Up and Electrical installation	Kaduna	Ison IT Solutions Ltd
7.	2012	EMTS GSM Expansion project.(Huawe 3G Installation. B2099, B2039, B2079, B2926, B2826, B1933, B4923, B4857, B2878, B2833, B4842, B4833, B3735 ETC	Several States in Nigeria	Huawei Technologies. (EMTS)

8.	2008- Date	Full turnkey Base Station Transceiver Telecom site of varying tower height, Civil works, Equipment installation etc JG0004, AD0006, BA5006, T5008, AD5148, AD5327, T5333, T5444, KN5586, T5679, T5680, T5740, T8521, B2864, B4941, B5301, B5302, B5315, B6461, B2376, B2453, B2317, B2310, B6528, B6436, B6444 ETC	Several States in Nigeria Kano, Kaduna, Borno, Jigawa, Adamawa, Etc	Huawei Technologies (MTN, EMTS, AIRTEL ETC)
9.	Oct 2013	Construction of Depot Admin Building	1	First Royal Oil
10.	Nov 2013 – Nov 2015	Civil works on Petroleum product depot including steel works, site reclamation, buildings, Access road, shoreline protection etc	Lots	Bond Global Energy
11.	Oct 2012– Feb 2014	Civil works on Petroleum product depot including buildings, Access road etc	Lots	Emadeb Energy Services
12.	2007 –2017	Helios Towers Telecomm. Co-location site, Civil works, and Tower Erections	Over 40	Helios Towers
13.	2008- 2010	Full turnkey Base Station Transceiver Telecom site of varying tower height, Civil works, Equipment installation etc	12	Plessey Nig, MTN
14.	2007-2008	Full turnkey Base Station Transceiver Telecom site of varying tower height, Civil works, Equipment installation etc	Over 45	Aland-Dick West Africa (Helios Towers & MTN)
16.	2005-2008	Full turnkey of varying tower height, Electrical & Equipment installation, site up grade, Site maintenance	Over 50	Reime West Africa, (MTN, V-mobile)

G. CERTIFICATE OF INCORPORATION AND FIRS TAX CLEARANCE CERTIFACATE



H. PHOTO GALLERY



Tower Erection and Painting on-going at our Helios Tower colocation sites



Typical GSM Tower Foundation under Construction



Completed Helios Tower colocation site



Soil investigation and Pile integrity test On-Going



On-going foundation concrete casting and completed Huawei/MTN site



Completed Emadeb Administrative Building



Access Road to Emadeb Depot



On-going Emadeb Building, 1.2km Fence Etc



On-going Access Road to Bond Depot



On-going Bond depot Fence, Drain and Access Road



Completed Bond Access Road and Drain



On-going Steel works at Bond Depot



On-going Civil works at Bond Depot



On-going Civil and Steel works at Bond Depot



On-going Construction works at Bond Depot



Some AKMA staff joint photos at a project site



On-going Panel Mesh Fence on Bond Depot

I . APPENDIX