



**SPECIAL PRESENTATION ON HOSPITALS  
AND MEDICAL CENTRES**

# WHO WE ARE

Lambert Electromec Limited is an international leader in Engineering, Procurement & Construction (EPC) and in high quality Mechanical, Electrical and Plumbing (MEP) such as:



Design & Build for Building services (Offices, Hospitals, Hotels, Institutions, Factories, Mixed-Use, Residential, etc.) and Industrial Plants



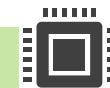
MEP for infrastructural and enabling works in Rail-stations, Stadiums, Ports, etc.



Power plants and substations



Oil & Gas Modular refineries

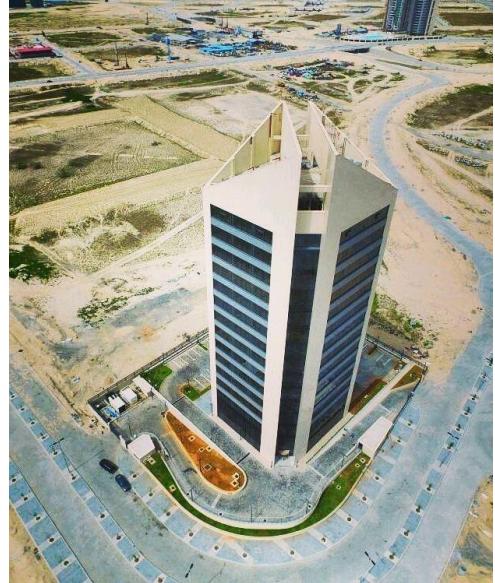


Data centers



We Design,  
Build, Operate  
And Maintain

# WHAT WE DO



**BUILDING & FACTORIES  
ELECTRICAL AND  
MECHANICAL  
ENGINEERING**

**POWER GENERATION  
&  
DISTRIBUTION**

**DATA CENTRE &  
TELECOM  
INFRASTRUCTURE**

**OIL AND GAS, E&I  
AND PIPING**

**MAINTENANCE**

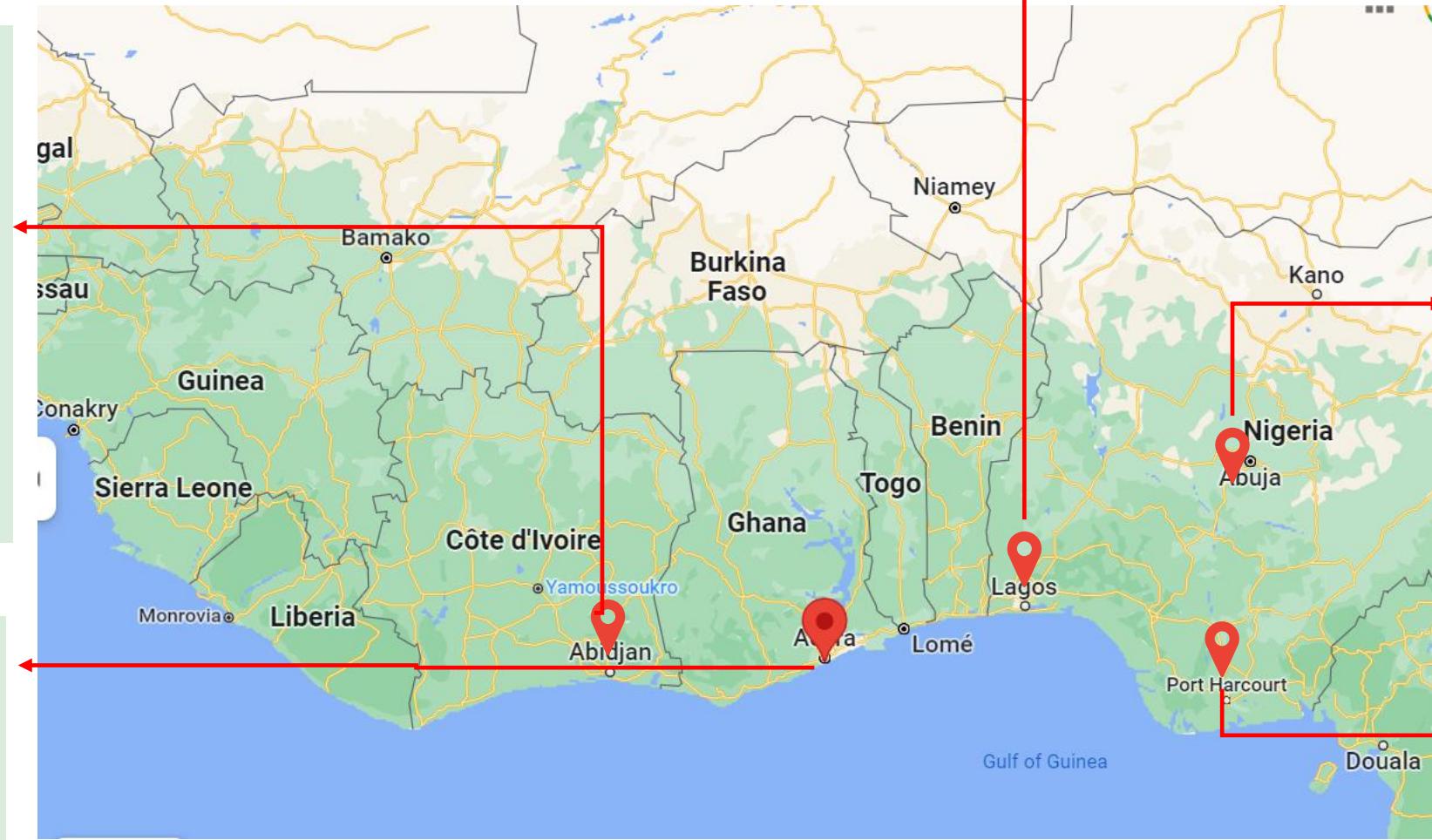
# OFFICES

## Cote d'ivoire

Cote d'ivoire office at covers 100sqm of office space. Situated at Cocody Danga Villa No 6, Rues des cannas 26 Bp 13777 abidjan 26, Abidjan - Cote d'Ivoire.

## Ghana office

The Ghana office covers 180sqm of office space. Situated at SU Towers, 4th Floor No.18 Castle Road, Accra, Ghana



## Lagos Nigeria

Over 1,250sqm of office space in the Ikoyi - Lagos HQ and 10,000sqm of workshop, fabrication, storage and warehouse at Eko Akete, Lekki, Lagos

## Abuja office

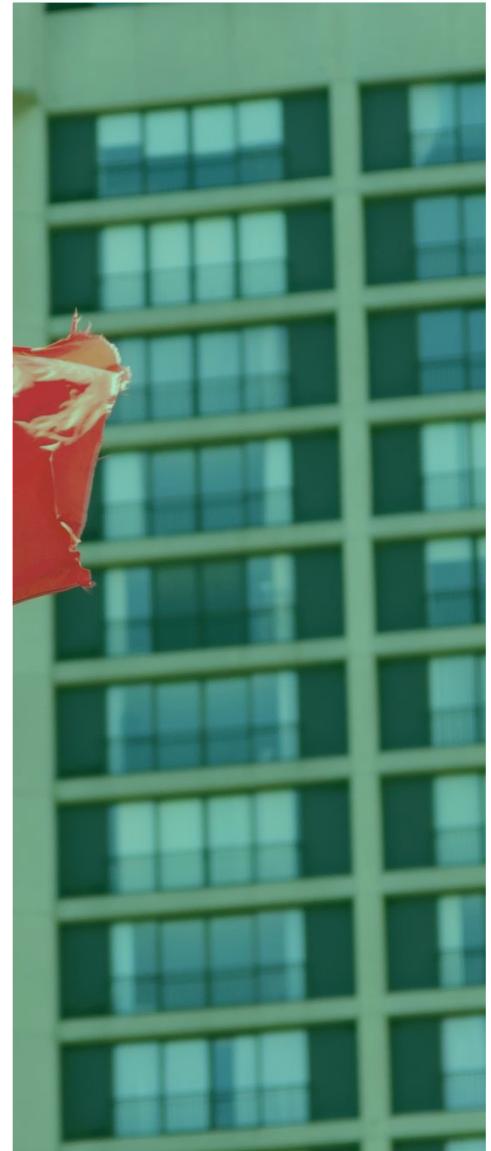
Office space of 350sqm, with a central storage and fabrication yard measuring 8,500sqm located 50km from the office at Iju Industrial zone of FCT.

## Port Harcourt office, Port Harcourt Nigeria.

Office space of 580sqm with a storage area of 1,200sqm at the Trans Amadi Layout in Port Harcourt.

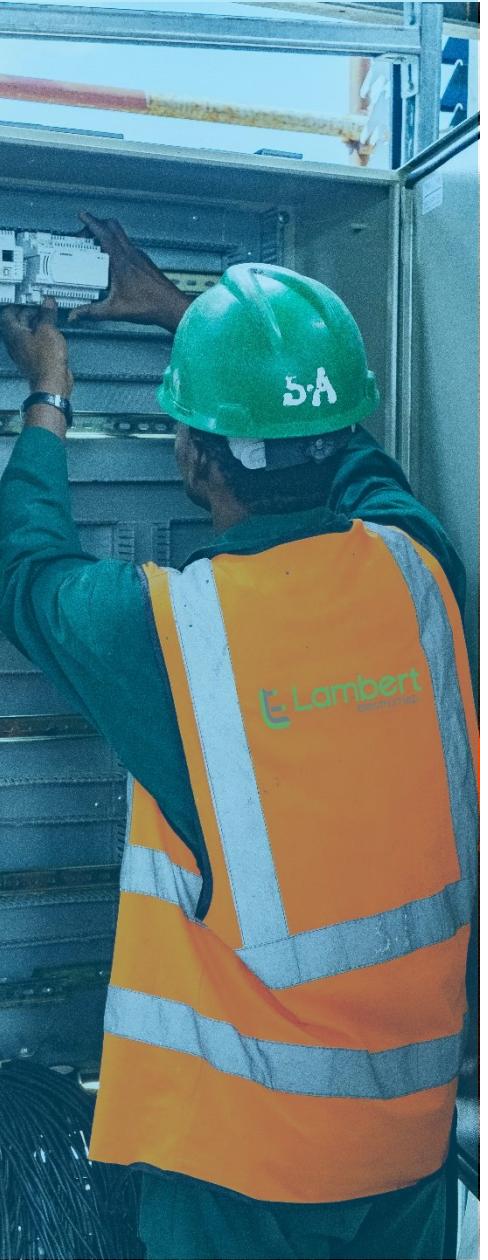
# HISTORY

Lambert Somec Nig. Ltd . Was created in affiliation with Lambert Somec Inc., a leading Electromechanical construction company from the province of Quebec in Canada. Before separating with its Nigerian partner in 2004, Lambert Somec Inc. passed on its heritage of first class professionalism, top engineers and its exceptional overall operation system.



*Looking Back, We've Always Looked Forward*

# WHAT WE PROVIDE



- ✓ High Quality, Precision Engineering and Installation
- 🔧 Added Value Engineering/Alternate Solutions
- 👤 Highly Skilled Workforce
- 🕒 Timely Delivery
- 🥇 Quality Assurance and Control
- ⛑ Best-in-Class HSE Measures and Procedures



# SUCCESS PILLARS



## CERTIFICATIONS

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018

High standard related to quality management and communication systems



## GEOGRAPHIC PRESENCE

- Offices in the Gulf, Europe & Africa.
- Leverage technology knowledge across international offices.
- Enhanced procurement

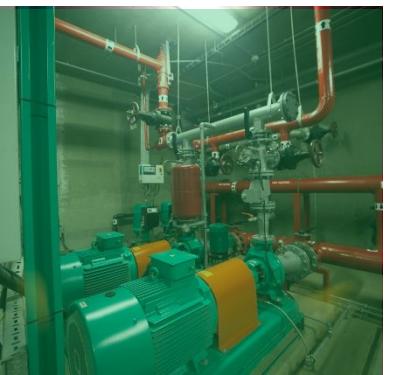
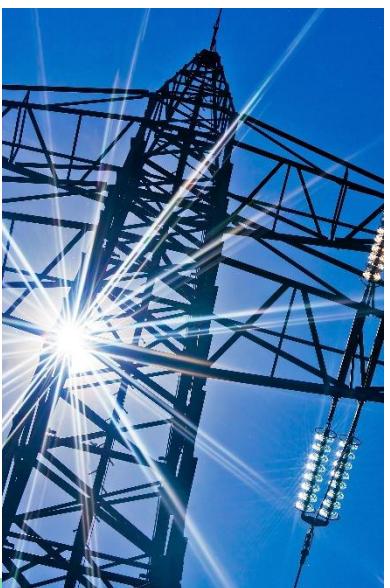


## CANADIAN HERITAGE

Technical and work culture from the Canadian company Lambert Somec

# WIDE SCOPE OF EXPERTISE

Lambert offers premium and unsurpassed services In all we do, we ensure that all our clients regardless of their need differences are given quality services.



POWER AND  
ELECTRICAL



PIPING  
SERVICES



FIRE  
CONTROL



HVAC

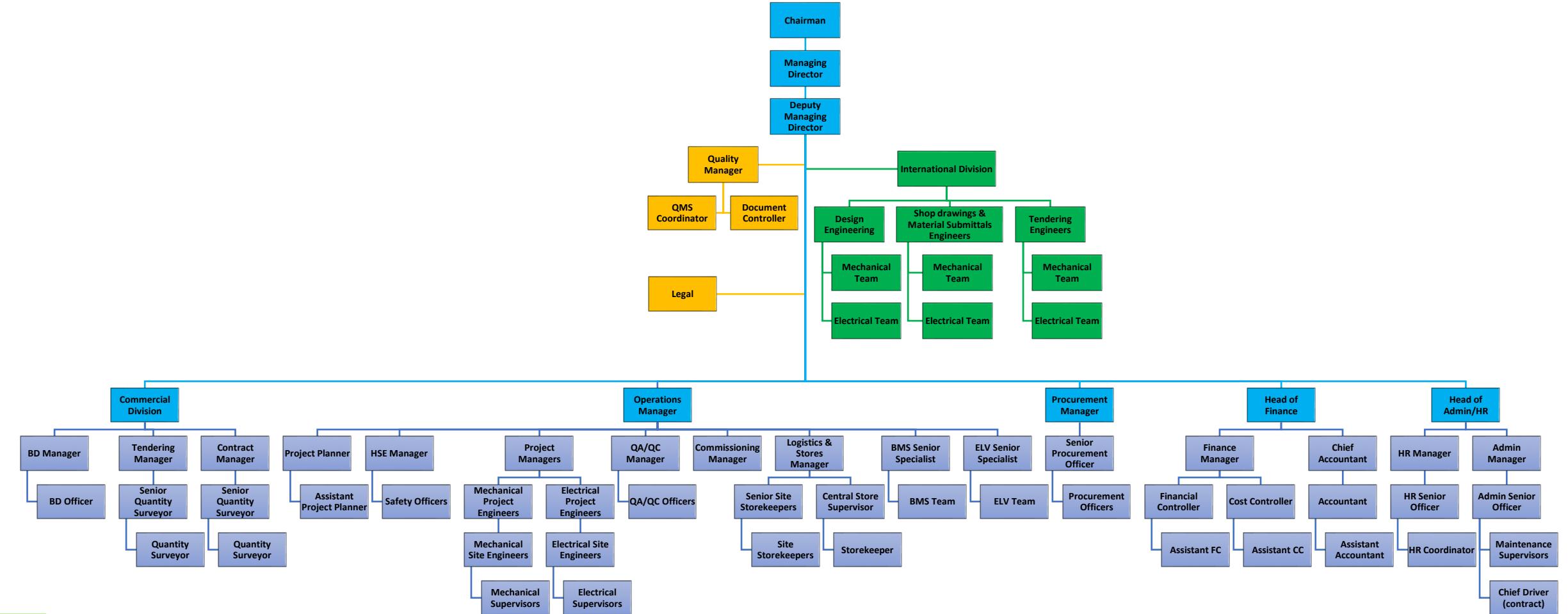


DATA &  
TELECOMMUNICATION



SECURITY

# COMPANY STRUCTURE



# PROJECTS



**TOTAL E&P INDUSTRIAL CLINIC, PORT HARCOURT NIGERIA.**

## PROJECT DESCRIPTION

Complete Industrial Clinic complex with advanced electrical and mechanical installations featuring state of the art Laboratory, Pharmacy, Maternity, sterilization, Operations theatre and surgical faculties. Industrial Clinic compromises of a block of two (2) storey building and a maternity block representing around 5,200 square metres of rentable.

### GROUND FLOOR

- Reception
- Consultation
- Pharmacy
- Laboratory
- Emergency & Imaging
- Laundry and Material Mgt.
- Body Preparation

### FIRST FLOOR

- Hospitalization
- Maternity
- Surgery
- Administration



## MECHANICAL SYSTEMS

- ❑ Main package units system including Roof Top units and Air Handling Units, VAV and heaters
- ❑ Direct Expansion system for Technical and Telecom rooms including Precision Split units
- ❑ Drainage system including sanitary fixtures
- ❑ Smoke management system
- ❑ Variable Air Diffusion system
- ❑ Elevators including 4 lifts, one for Bed, two visitors and one service lift
- ❑ Fire Fighting system including fire hose cabinets, and wet risers landing valves
- ❑ FM200 system
- ❑ Water Supply system with variable speed pumps and pressure reducing stations
- ❑ Extraction Fans with CO sensors
- ❑ Pressurization Fans linked to fire alarm system



## ELECTRICAL SYSTEMS

- Earthing& Lightning system
- MV & LV switchgears
- Lighting system –6,000 units Including LED & indirect lighting
- 2000 KVA Dry Type Transformers
- Telecommunication and Data system
- Access control & CCTV system including Fibber optic cables
- Bus Ducts distribution system
- Easy Bus Bars flexible system
- Fire alarm & voice evacuation addressable system including heat and smoke detectors, sounder and strobes. Linked to all HVAC, smoke management, lifts and Access control systems
- Emergency Lighting addressable system -250 units



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### BUS BAR AND EASY BAR

- Substitute for power cables and cable trays
- Shorter Installation Time
- More Secure & Efficient
- Less Space needed
- More Ergonomic & Flexible for Workplace Design
- Improved aesthetics
- MDB size reduction

### FIRE FIGHTING

- All components are UL (Under Writer Laboratories) listed
- CPVC pipes
- environment friendly as per the LEED norms
- Less Cost
- Shorter Installation Time
- FM200 less hazardous than CO<sub>2</sub> to human health
- Fire Damper on each crossing for fire rated shaft

### BMS

- Monitoring, Controlling and Optimizing HVAC, Better Comfort, Safety, Efficiency
- Monitoring critical loads power continuity



### VARIABLE AIR VOLUME (VAV) SYSTEM

- Self-Controlled Diffuser with Thermostats and other Control Accessories for each diffuser
- Cooling comfort optimized
- Cost Saving on chilled water pipes, insulations, cables, FCUs

### HEAT RECOVERY SYSTEM / VFD

- HR Fresh Air Handling unit is distributed via a duct network
- Makes use of energy in the exhaust air instead of it being rejected into the environment
- Controls humidity to an optimized level
- Savings up to 20% on Initial Equipment costs and Operational costs
- Variable Frequency Drive chilled water pump to minimize energy consumption

### PARKING MANAGEMENT SYSTEM

- Pinpoints available parking spaces
- More efficient use of parking resources
- Stops congestion
- Parking Ventilation Fans operate with CO sensors for more energy savings
- Real-time Level wise vehicle counting and parking status
- Constitutes the Access Control (Barrier control, Loops, Automatic gates) and Security system



## DESIGN

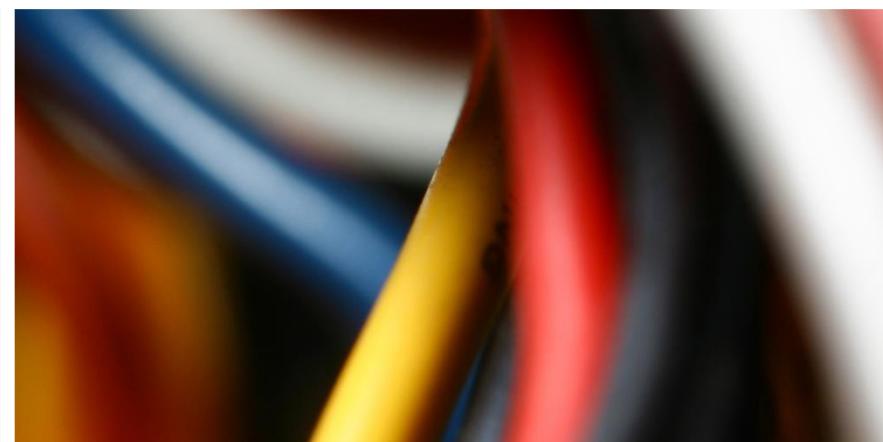
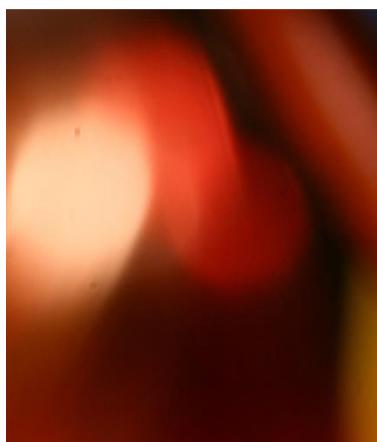
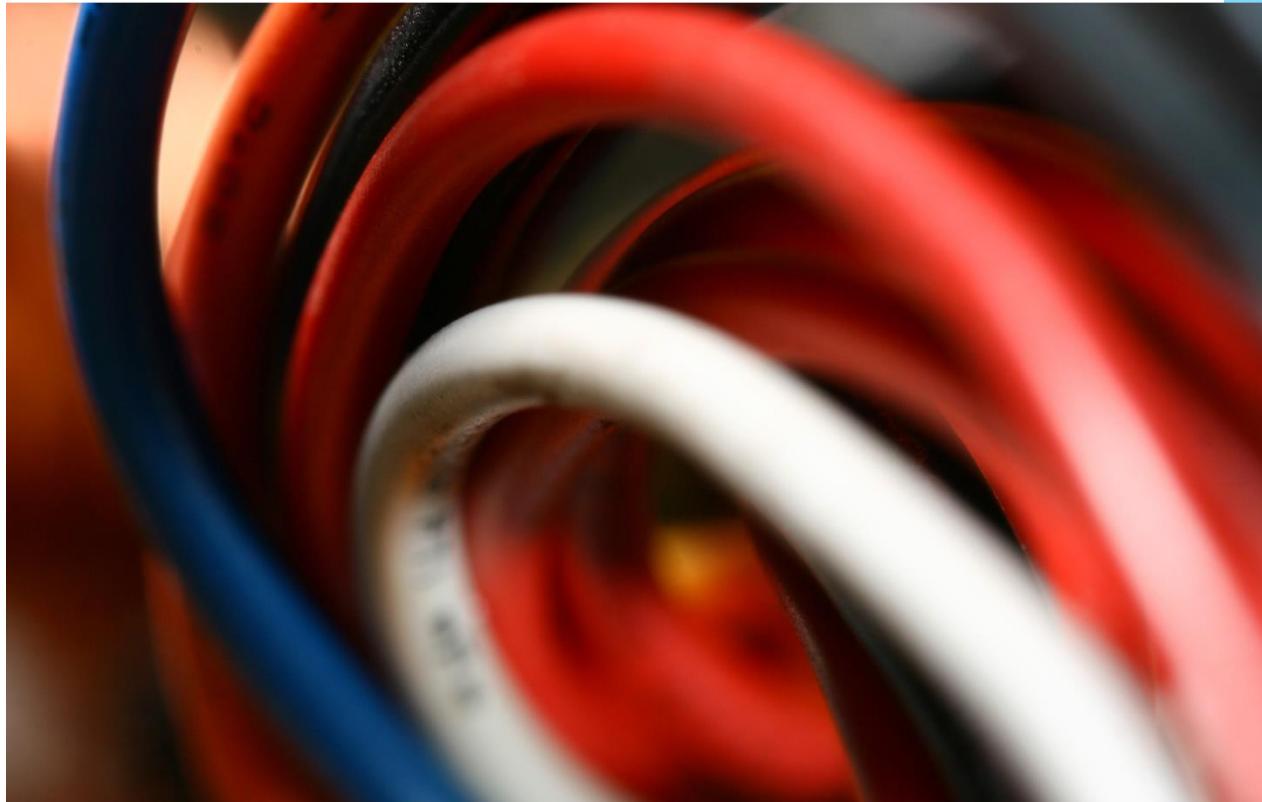
- Main Telecom room—receives fibre, coaxial and copper cable
- Technical Room (GDR) in each floor

## STRUCTRED CABLING METHOD

- Entrance Facility at GF receives the external fibre optic cable
- Vertical Distribution –Backbone –distributes the fibre and copper cables to each technical room (GDR)
- Horizontal Distribution connects the GDRs to the User Outlets
- 20 years warranty on data cabling

## HORIZONTAL CABLING

- Points of Copper
- Points of Fibre
- 15 min per fibre termination



## PROJECT FIGURES

- Project Total Sum: **\$26 million (all works, civil & MEP)**
- Peak Staff (foremen, technicians, labors) : **300**
- Expats : **12**
- Engineers on site : **6**
- Project Man Hour : **1.7 Million hours**
- User Maxipoles: **48**
- CCTV Cameras : **32**
- VAV'S : **100**



# MARCELLE RUTH CANCER CENTER (MRCC) LAGOS, NIGERIA



## PROJECT DESCRIPTION

The Marcelle Ruth Cancer Centre & Specialist Hospital is the first comprehensive healthcare center of its kind in Nigeria and, indeed, West Africa. All the installations require precise Electrical & Mechanical engineering works which were carried out by Lambert Electromec.

# PSH SPECIALIST HOSPITAL PORT HARcourt, NIGERIA



## PROJECT DESCRIPTION

Design and Build Project - Julius Berger/Lambert JV.

PSH Specialist Hospital is also known as the Sir Dr. Peter Odili cancer and cardiovascular diagnostic and treatment centre project at Rumuokwuta, Obio/Akpor local government area, Rivers State. It consists of 68-bed hospital will have laboratory, pharmacy, diagnosis, and other specialized medical faculties and services.

# APS HOSPITAL ABUJA - FCT NIGERIA



## PROJECT DESCRIPTION

Design and Build for the APS Hospital, is an ongoing ultra-modern and state of the art clinic project with all the medical faculties in the FCT Nigeria.

# ULTRA CARE HOSPITAL, LAGOS



## PROJECT DESCRIPTION

Lambert Electromec engineered, procured, installed and commissioned all the high-end electro-mechanical systems for state-of-the-art facilities in Ultra Care Hospital. The clinic exhibits services such as:

- an intensive care ward,
- a regular ward,
- a full-equipped laboratory,
- X-ray and ultrasound machines
- as well as an emergency room and ambulance service.

The hospital has on-site facilities for biochemistry, microbiology, cardiology, hematology, hormonology, toxicology and coagulation.

# EKO TOWER II GUEST HOUSE CLINIC, LAGOS



## PROJECT DESCRIPTION

The 27-storey mixed-use tower boasts of the best technologies in Electro-Mechanical applications. It features an industrial clinic, Gym complex, Guest houses, Restaurants, Swimming pool and more.

This ultra-modern and eco-friendly Clinic, occupies 3 floors in the 27 storey edifice; consists of the latest building principles and state-of-the-art Electrical and Mechanical installations.



## PROJECT DESCRIPTION

Redevelopment works - Mechanical and Electrical Works done by Lambert Electromec Ltd

# CERTIFICATION

ISO 9001:2015 is an international standard dedicated to Quality Management Systems (QMS). It outlines a framework for improving quality and a vocabulary of understanding for any organization looking to provide products and services that consistently meet the requirements and expectations of customers and other relevant interested parties in the most efficient manner possible.

ISO 14001: 2015 is an internationally agreed standard that sets out the requirements for an environmental management system. It helps organizations improve their environmental performance through more efficient use of resources and reduction of waste, gaining a competitive advantage and the trust of stakeholders.

ISO 45001:2018 specifies requirements for an occupational health and safety (OH&S) management system, and gives guidance for its use, to enable organizations to provide safe and healthy workplaces by preventing work-related injury and ill health, as well as by proactively improving its OH&S performance.



## ORGANIZATION

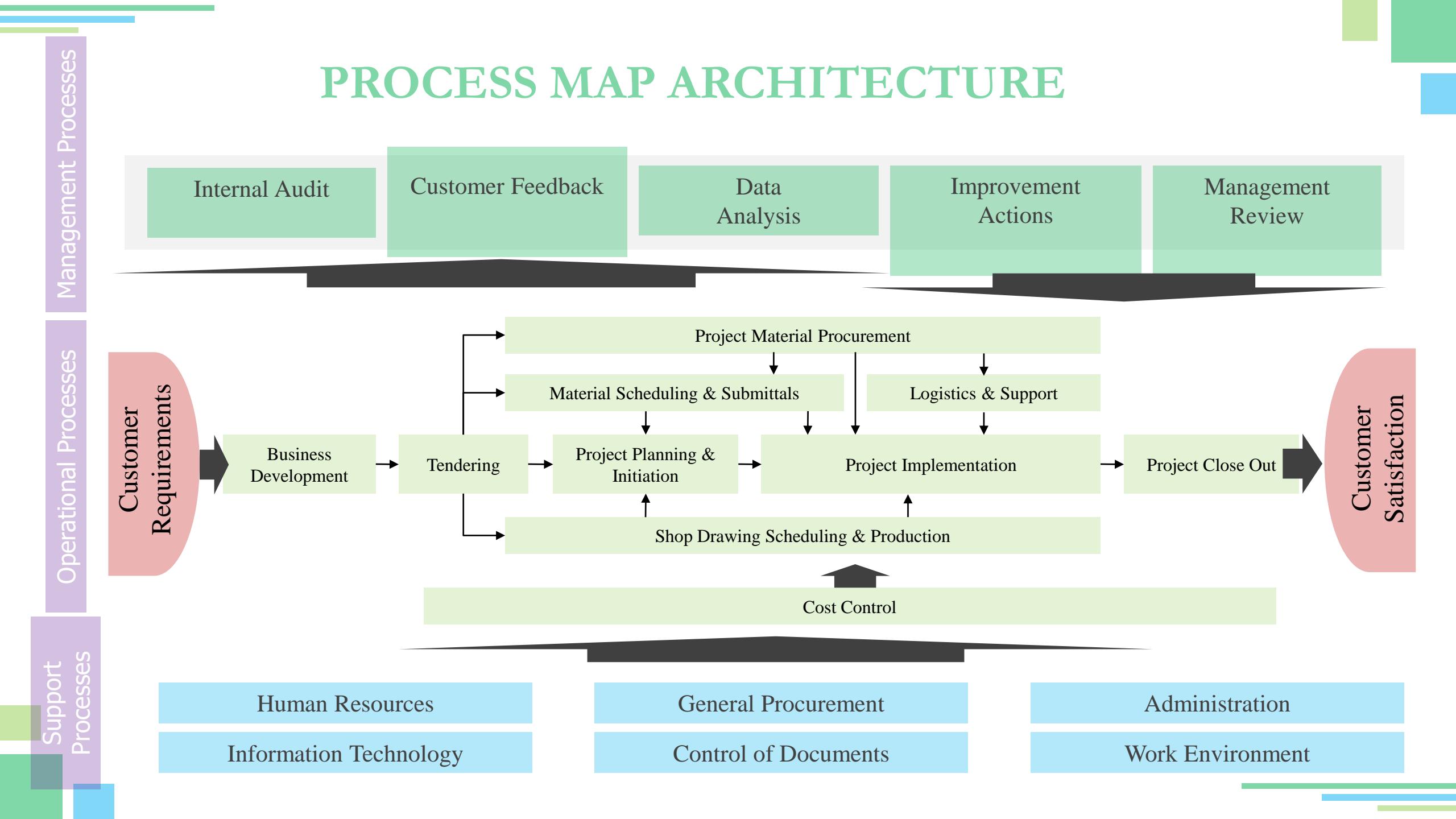
## TRAINING ATTENDED

## LOCATION

<b>Titus</b>	Digital T3SQ - HVAC Product Training Seminar	Dallas, Texas
<b>Schneider</b>	SM6-24 and SAPEM - Medium Voltage Protection Solutions	Lagos, Nigeria
<b>Siemens</b>	Omnicast OTC1 -OTC2, video surveillance numerique et installation et exploitation de logiciels encodeur /decodeur	France
<b>HTL</b>	Operation of high voltage power System	Nigeria
<b>Nexan</b>	UPS Training	Nigeria
<b>Socomec</b>	Business Driven PMO setup	France
<b>Hypersoft</b>	VRV IV – Selection, Installation, Commissioning & Trouble-shooting	Ghana
<b>DIAKIN</b>	E20-II / HAP 4.4 - HVAC calculation software	Dubai, UAE
<b>Carrier</b>	E20-II / HAP 4.4 - HVAC calculation software	France
<b>ASHREA</b>	Membership Training	USA
<b>NISP</b>	HSE Development Training (LEVEL2&3)	Nigeria
<b>RABQSA</b>	ISO 9001:2008 Quality Management System Lead Auditor	Canada
<b>Chartered Institute of Personnel &amp; Dev.</b>	Human Resources Development (HRD 2011)	London

## SOME OF OUR TRAINING

# PROCESS MAP ARCHITECTURE



# CONTACTS

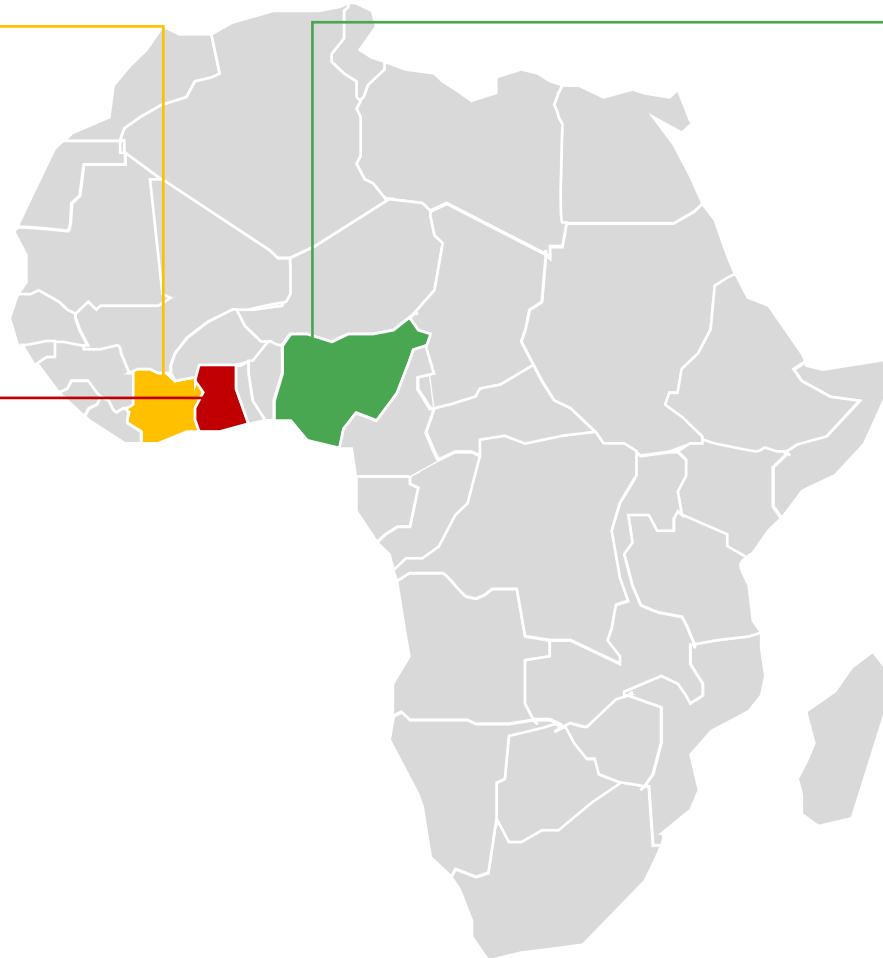
## CÔTE D'IVOIRE

### Abidjan

Cocody Danga Villa,  
N°6 – Rue des Cannas  
26 BP 13777 Abidjan 26  
– Côte d'Ivoire  
Cell: +225 64 02 37 23

## GHANA

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6<sup>th</sup> link close, Cantonments  
Accra East District, Ghana.  
Tel: +233 54 333 68 12,  
+233 54 511 75950



## NIGERIA

### Lagos

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Victoria Island, Lagos.  
Tel: +234 (0) 1 462 82 90/91/92

### Abuja

2 Dar-Es-Salaam Crescent.  
Off Aminu Kano Crescent,  
Wuse 2, Abuja,  
FCT.

### Port Harcourt

48 Ordinance Road,  
Trans Amadi layout,  
River State, Nigeria.  
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Tel: +234 (84) 487 844/232 501



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