



**SPECIAL PRESENTATION ON OIL AND GAS AND  
MODULAR REFINERIES**

# 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:



Oil & Gas Modular refineries



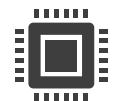
Building services (Offices, Hospitals, Hotels, Institutions, Factories, Mixed-Use, Residential, etc.) and Industrial Plants



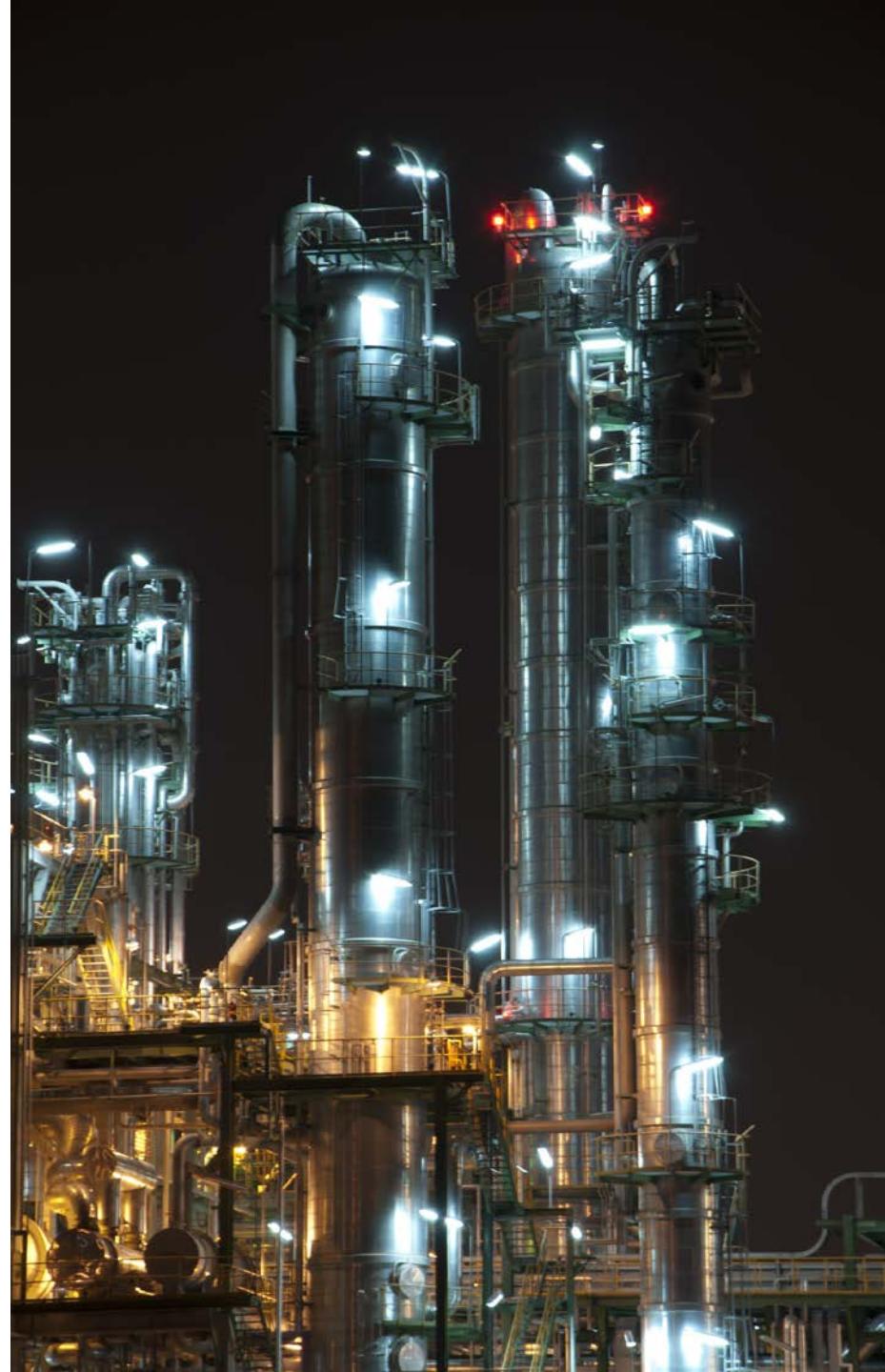
Power plants and substations



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



Data centers





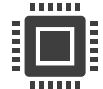
## HISTORY

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.

# WHAT WE DO



Building & Factories  
Electrical and Mechanical engineering



Data Center and Telecom  
Infrastructures



Maintenance



Power Generation and  
Distribution



Oil and Gas,  
E&I and Piping



## OIL AND GAS

Lambert Electromec has extensive capabilities to support the oil and gas industry operations and engineering. Lambert's Engineering, Procurement, Construction (EPC) approach consists of:- Concept Studies, Pre-FEED, FEED & Detailed Engineering Design, Construction Pipeline Systems, Gas Processing, Electrical, Mechanical & Process Facilities, Pipes, Valves, Turbine Generators, Electrical & Skid Mounted Equipment, automation and controls, etc. as well as Modular refineries. Operations & Maintenance Facilities - Operations & Maintenance such as:- Upgrades, Retrofit and Repairs.

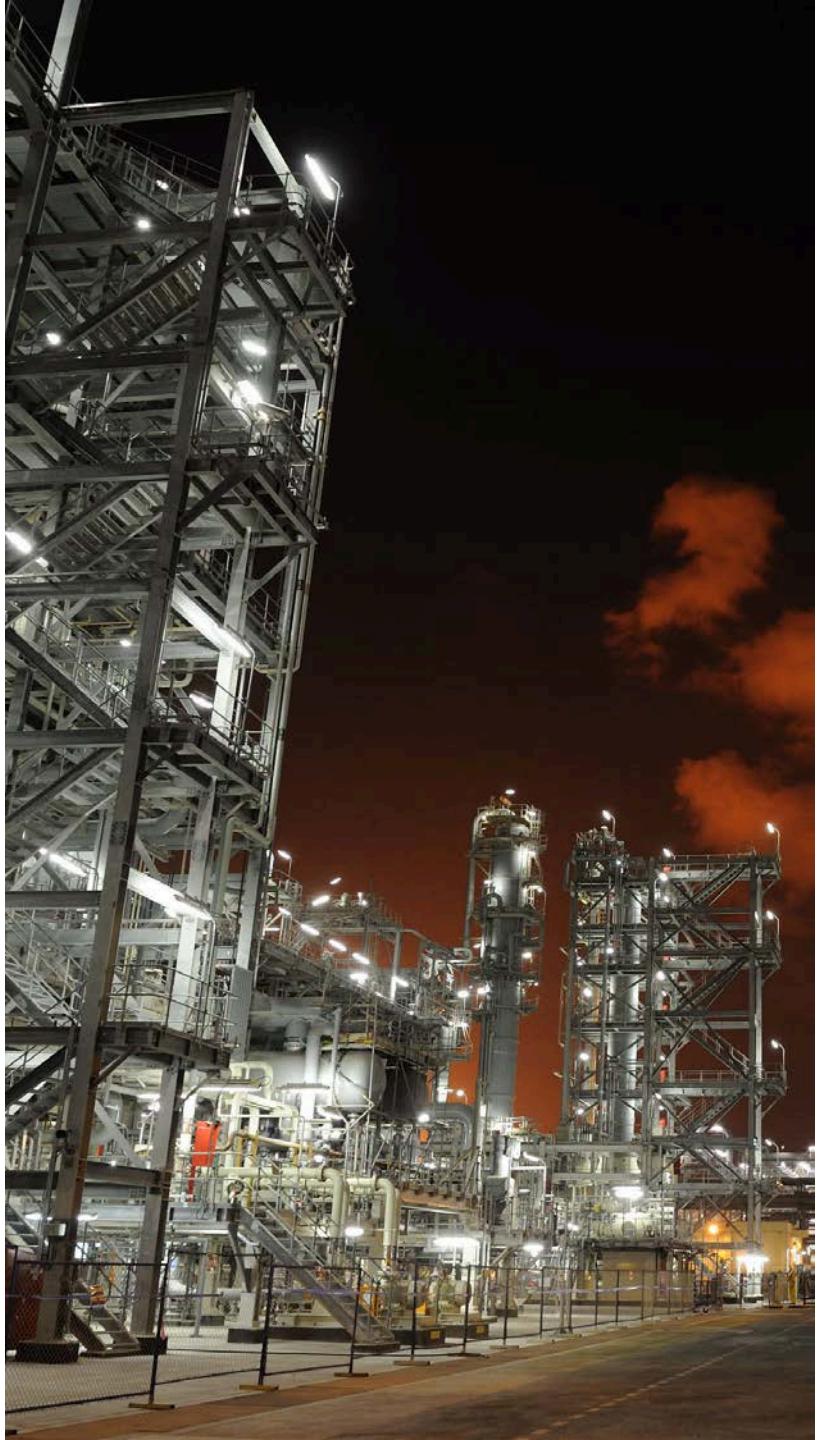


# **SERVICES IN OIL AND GAS**

- Civil works: Site Clearing, Grading, Trenches, Pond
- Site Foundation/ Concrete work
- Site Storage Tank Erection
- Shop Building & Canopy Erection
- Office, Accommodation & Security Building Work
- Truck Rack & Pipe Support Installation
- Piping Fabrication & Installation
- OSBL Equipment Installation
- Electrical/Instrument Installation
- Logistic Arrangement & Preparation for CDU Installation
- ISBL Equipment Installation

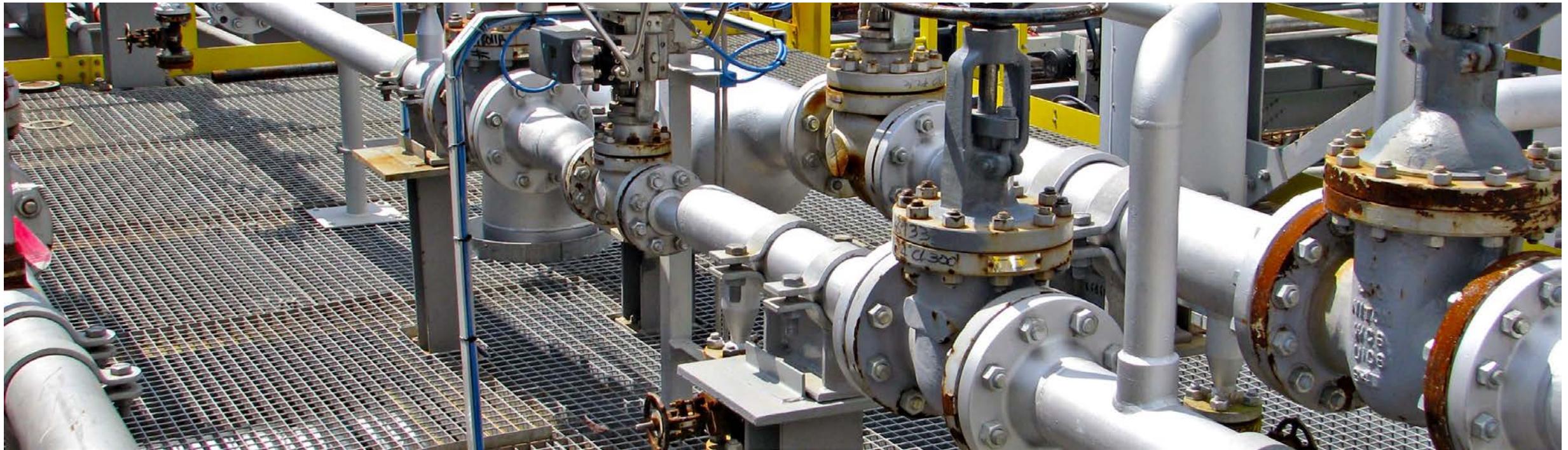


## MODULAR REFINERY



Lambert has developed a specialty in Modular Oil & Gas Refinery design and EPC Services. Moreover it has skilled engineers to provide a complete project package for any Oil & Gas project that includes mechanical, electrical, instrumentation, and environmental disciplines. In particular, the company's local workforce is continuously trained internationally in the various expertise, as well as in the Safety practices of respective fields, while ensuring it meets and exceeds the expectations of the Nigerian Local Content Act.

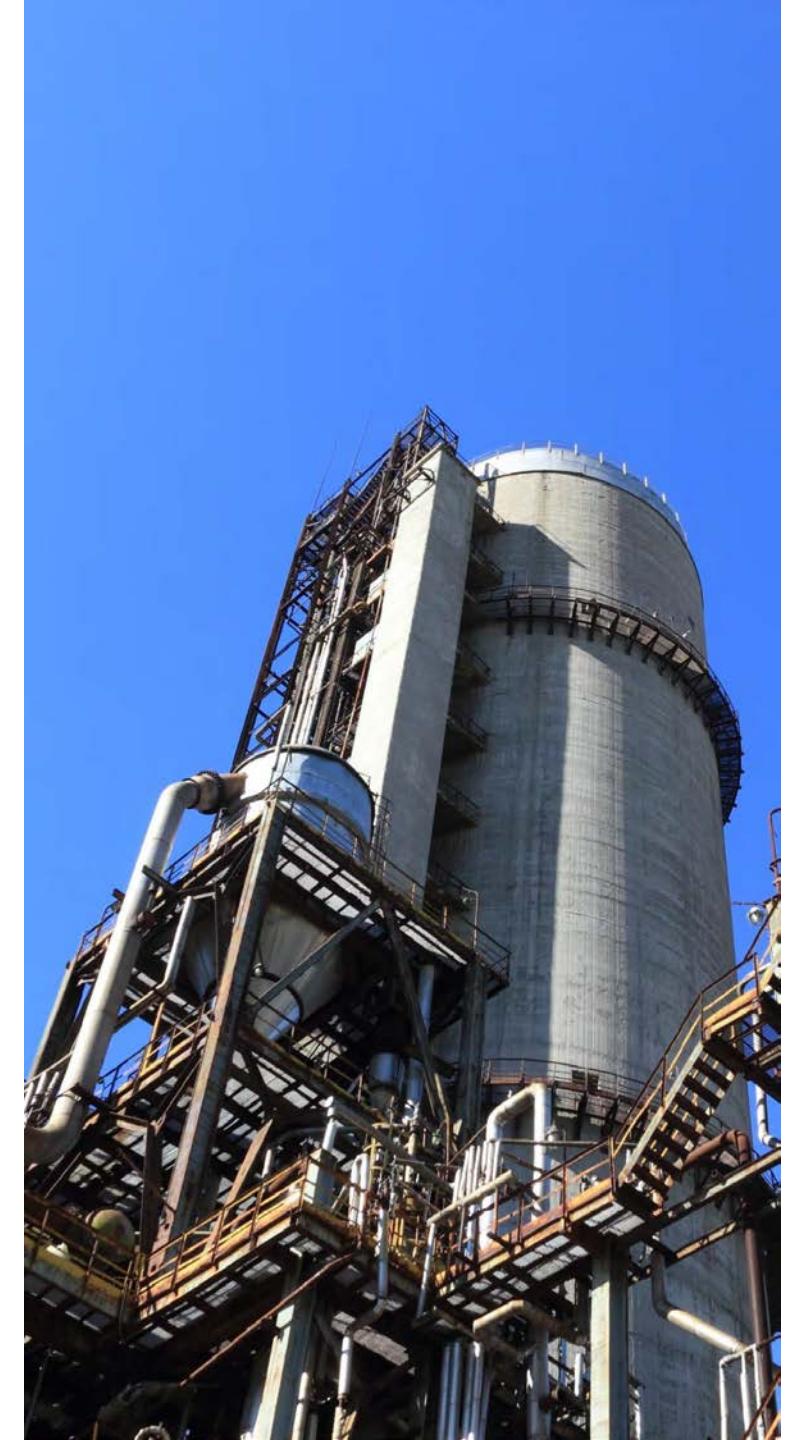
Lambert Electromec has designs available for 1,000 to 20,000 bpd crude processing units and 1 mmscf/d to 20 mmscf/d gas processing units. Along with its technical partner VFuels LLC, it designs and builds process units needed to generate a large Modular Oil Refinery & Gas Flaring structures. Our Oil & Gas division possesses the capability to process crude oil into marketable fuels. The division also designed an associated Gas Modular units that provides a solution for eliminating or reducing associated gas flaring.



# QUALITY MANAGEMENT

Lambert Electromec is committed to ensure that our products/services consistently meet customer needs, requirements, and specifications, through:

1. conscious participation of all employees in the process of continually improving the effectiveness of our quality management system.
2. Ensuring that the installations and the used materials are following the applicable national and international standards and customer specifications.
3. Elaborating inspections and test programs in coordination with the client representative.
4. A complete set of approved procedures and MOS to be used as benchmarks for installations and NDTs.
5. We believe that coordination, verification and documentation are the main keys for a successful process.
6. We believe that QA/QC process is not an event and not a short-term task, it's an ongoing process spans from the project award till handing over and post handing over.





## **HEALTH, SAFETY AND ENVIRONMENT**

Lambert Electromec Ltd has a Health, Safety, and Environment (HSE) policy that conforms to international standards. It is totally committed to the concept of building safety into the design of high technology installations and plants.

Lambert holds Health and Safety as a core business value and is committed to creating a future free of incidents and injuries through the company's Integrated Management System (IMS) which complies with ISO 45001:2018.

# PROJECTS

## WALTERSMITH MODULAR REFINERY

Lambert Electromec Ltd has established expertise in the design and development of Modular Oil & Gas Refineries and Engineering, Procurement, and Construction (EPC) services. Along with its technical partners VFuels LLC, Lambert and VFuels have jointly executed the OSBL (Outside Battery Limit) and ISBL (Inside Battery Limits) respectively for the Waltersmith Refinery of 5,000 bpd capacity (Phase 1) in Nigeria. Lambert Electromec has designs available for 1,000 to 30,000 bpd crude processing units and 1 mmscf/d to 20 mmscf/d gas processing units.

The Waltersmith modular refinery comprises a crude distillation unit, tank farm, and other related facilities. The modular refinery with an initial capacity of 5,000 bpd is expected to deliver 271 million litres of refined petroleum products a year. The crude oil storage capacity of the refinery is approximately 60,000 barrels.



## The Outside Battery Limits (OSBL) site includes:

construction of civil work (clear, backfill and site grading), utilities, roads, security fencing, concrete foundations, buildings (office, control, shop, accommodations), storage tanks, truck loading, facility piping, power generation, electrical power distribution, area lighting, fire protection system, compresses air oily water treatment



The refinery is planned to be expanded in phases to have a 20,000bpd crude oil refining facility and a 25,000bpd standalone condensate refining facility taking the total processing capacity to 50,000bpd.

The refinery receives feedstock from the Waltersmith-operated Ibigwe marginal field. The petroleum products produced in the refinery include diesel, naphtha, heavy fuel oil, and kerosene.

## **VIDEO PRESENTATION OF THE WALTERSMITH MODULAR REFINERY**



# PROJECTS

## EKO PETROCHEM REFINERY - NIGERIA

- Detailed Design & Engineering for a 20,000 bpd CDU modular refinery
- General arrangement and plans
- Civil/Concrete/Structure Design
- OSBL PFD
- OSBL P& IDs
- Electrical Power Design
- Instrumentation Drawings
- Review the EIA of the site

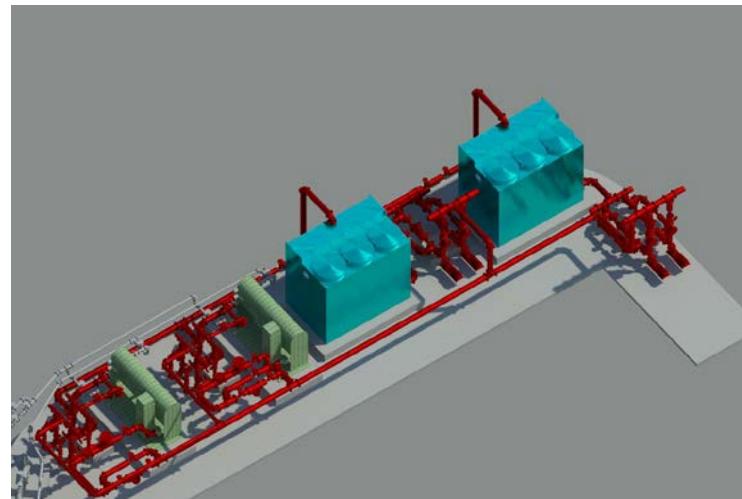


# OTHER PROJECTS



## **TOTAL POWER PLANT GAS TURBINES PORT HARCOURT - NIGERIA**

Installation of 3 Gas Turbines 5.5 MW each, complete with all its balance of plant equipment's, 33/11kV Substation and Distribution, supplying existing and new office Complex of NNPC-ELF JV, in Port Harcourt - Nigeria



## **BAT TRI - GENERATION POWER PLANT, IBADAN - NIGERIA**

Engineering, Installation and Design review for the Tri - Generation Power Plant for British American Tobacco (BAT) Ibadan PLANT. The Power Plant consists of one diesel fired low speed engine - generator with an installed capacity of approximately 4.7 MW, heat exchanger with a capacity of 2.38 MW, absorption chillers with a generator heat duty of around 1.74 MW each, and appropriate cooling towers (air-cooled) with a thermal load of about 3.00 MW each. All Electrical & Mechanical works were executed by Lambert Electromec Limited



## **PROCTER & GAMBLE FACTORY ACBARA, OGUN STATE - NIGERIA**

Power plant for the P&G factory of 9MW; Fuel: Natural Gas - Diesel; Voltage: 11 KV I in Ota - Ogun State, Nigeria, sophisticated power installations by Lambert Electromec Limited.

# OTHER PROJECTS



## **PORT OF TEMA EXPANSION - GHANA**

Tema Port – Terminal Three, by MPS Ghana - The Meridian Port Services (MPS) Tema Port connects Ghana's shipping industry to the rest of West and Central Africa. This ambitious expansion now accommodates larger ships and improves the harbor's facilities and equipment, all while focusing on resource efficiency. The EDGE-certified Terminal Three consists of three separate buildings that include a workshop and maintenance building, offices for administrative purposes and offices for the port's authorities.



## **EKO TOWER II LAGOS - NIGERIA**

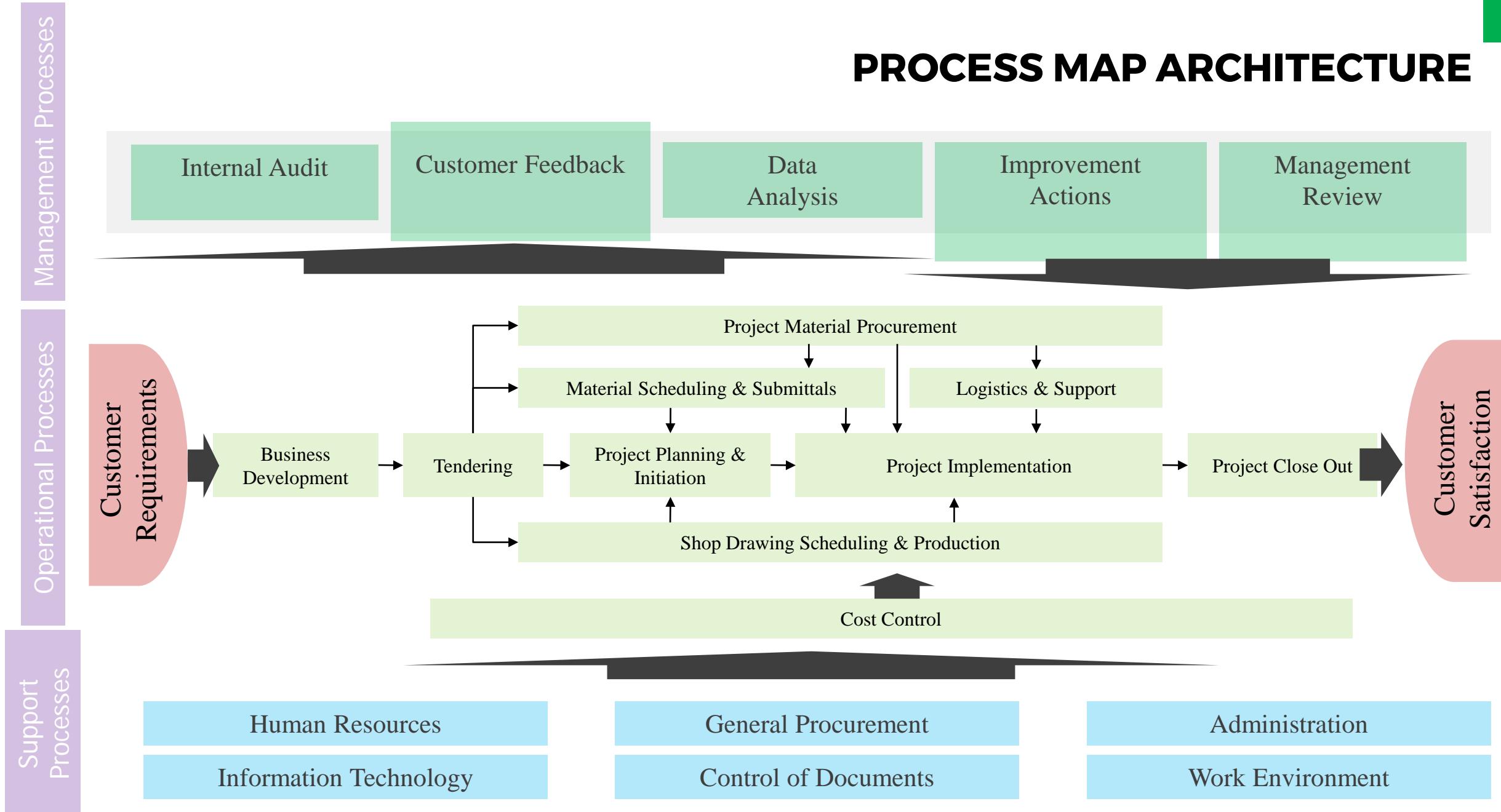
Eko Tower II, Hotel & Amenities, Lagos, Nigeria – Engineering, Installation and Design contribution of the complete state of the art Electrical and Mechanical works in the edifice of this 27 floors Eko Tower II, consisting of latest technologies, eco-friendly solutions, with 20MV power generating plants, extra low voltage and security systems.



## **NCDMB HQ OFFICE COMPLEX, BAYELSA, NIGERIA. (NIGERIAN CONTENT TOWER)**

NCDMB Office Complex consists of 17 floors Office Building, Multi – floor Car Park and a two floor Conference Building 7.5MVA Power Plant including 6 nos. 1259KVA diesel Generators. This Office Complex is ultra-modern and eco-friendly. Lambert Electromec employed the latest building principles and state-of-the-art Electrical and Mechanical installations in Bayelsa - Nigeria.

# PROCESS MAP ARCHITECTURE



# ISO 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.



N° 2019/85286.1

AFNOR Certification certifies that the management system implemented by:  
AFNOR Certification certifie que le système de management mis en place par :

**LAMBERT ELECTROMEC LTD**

for the following activities:  
pour les activités suivantes :

**MEP CONTRACTING**

has been assessed and found to meet the requirements of:  
a été évalué et jugé conforme aux exigences requises par :

**ISO 9001:2015  
ISO 14001:2015  
ISO 45001: 2018**

and is developed on the following locations:  
et est déployé sur les sites suivants :

1682 SANUSI FAFUNWA STREET VICTORIA ISLAND LAGOS NIGERIA

The description of certified activities and locations per standard is mentioned on the following certificates:  
Le détail des activités et sites certifiés par norme est mentionné sur les certificats suivants :  
Certificate ISO 14001 : 2015 n° 85287: 2019  
Certificate ISO 9001 : 2015 n° 85288: 2019  
Certificate ISO 45001 : 2018 n° 85289: 2019

Certificates ISO 9001 and ISO 14001 issued under accreditation n°4-0001  
Certificats ISO 9001 et ISO 14001 délivrés sous accréditation n° 4-0001

This certificate is valid from (year/month/day)  
Ce certificat est valable à compter du (année/mois/jour)

2019-12-20

Until  
Jusqu'au

2022-12-19

Signature/Fournisseur  
**Franck LEBEUGLE**  
Managing Director of AFNOR Certification  
Directeur Général d'AFNOR Certification



The electronic certificate only, available at [www.afnor.org](http://www.afnor.org), attest in signature that the company is certified - Ce certificat électronique, consultable sur [www.afnor.org](http://www.afnor.org), atteste que l'entreprise est certifiée. Information on the accreditations held by AFNOR Certification and its audit division is available at [www.afnor.org](http://www.afnor.org). Tous accreditements détiennent par AFNOR Certification et son équipe d'audit sont disponibles sur [www.afnor.org](http://www.afnor.org). AFNOR is a registered trademark. AFNOR est une marque déposée - CERTITI T 1313.11-2014.

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<b>ORGANIZATION</b>	<b>TRAINING ATTENDED</b>	<b>LOCATION</b>
<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>HTIL</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

## OUR TRAINING



Lambert  
electromec<sub>Ltd.</sub>

The logo features a stylized green and grey graphic element on the left, resembling a lowercase 'l' or a bracket shape with a green curve and two grey horizontal bars. To its right, the word "Lambert" is written in a large, bold, green sans-serif font. Below it, the word "electromec" is written in a smaller, grey sans-serif font, with "Ltd." in a smaller size at the end.