



Supplying Air Conditioning, Refrigeration
and Smart Building Automation

Products Catalogue



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Our Mission

To be the HVACR and BMS solutions provider of choice, always meeting customers' expectations through the provision of efficient services. This we achieve through our focused implementation processes, our high level of flexibility, and by constantly updating our services and maintaining a portfolio of HVACR products and BMS to meet demands.



Our Values

- * Honesty & Integrity
- * "Win-Win" Attitude
- * Innovation
- * Commitment to Energy Efficiency
- * Transparency

ABOUT US (OVERVIEW)

Your Trusted HVACR Partner

With over 20 years of experience to draw from within the industry, Artech2000 offers a wide range of trusted HVACR products and services. From project conceptualization to design, supply, installation, commission, and after-sales service, Artech2000 will be with you every step of the way.

Why Choose Artech2000

Our reputation speaks for itself as we work with only the best state-of-the-art HVACR Manufacturers from around the world. Also, our success from listening to our clients needs and responding to them positively.

What You Get From Artech2000

- * Residential & Commercial HVACR Solution
- * Air Distribution System Solution
- * BMS & HVACR Control Solution
- * Pressurisation & Storage Equipment Solution
- * Smart Building Solution
- * ELV Solution
- * Support & Maintenance
- * Training & Consulting

TARGETED INDUSTRIES



Commercial Buildings



Service Apartment



Shopping Mall



Hospitality



Educational



Manufacturing Plants



Factories & Warehouses



Airport & Train Stations



Events Centres



Oil & Gas

PRODUCTS CATEGORIES



We have wide range of products from residential & commercial HVACR systems, air distribution systems, BMS & HVACR controls, pressurisation & storage equipment.

We also provide smart building solution for guest room management, KNX, lightening control. We also deal with ELV for access control. Our wide range of CCTVs are impeccable

Residential & Commercial HVACR

- DX System
- Chilled Water System
- VRF & VRV System
- Close Control Unit
- Refrigeration

Air Distribution Systems

- Diffusers
- Dampers
- Grilles
- Louvers
- Sound Controls
- VAC & CAV Terminal Units

BMS & HVACR Controls

- Building Management System
- HVACR Control Devices

Pressurisation & Storage Equipment

- Expansion System
- Venting Range and Air/Dirt Separators
- Balancing & Controls
- Safety Valves & Pressure Gauges
- Essential Valves & Fittings
- Water Heating & Buffering

Smart Building Solution

- KNX
- Guestroom Management
- Lightening Control

ELV

- CCTV
- Access control

RESIDENTIAL & COMMERCIAL HVACR

DX System

York Direct Expansion (DX) HVAC unit is an air conditioning system that uses refrigerant to absorb heat and cool a space directly, functioning as a self-contained, compact unit that is highly efficient for smaller applications like IT closets, commercial spaces, and split systems. Key features include built-in safeties, microchannel coils for durability, sound-defeating technologies, and advanced control algorithms for capacity and efficiency, but require careful consideration for multi-zone applications to avoid issues.



DC Inverter Compressor

DC inverter compressor provides more comfortable indoor environment, higher performance in partial load and better heating performance in low ambient temperature than fixed compressor.



R-410A

Environmentally-friendly refrigerant cools and heats more efficiently without destroying the ozone layer.



Turbo Mode

Provides quicker cooling/heating with one press of the remote button.



24-Hour Timer

Allows programmed start times up to 24 hours in advance for flexible and more convenient operation.



Multi-Speed Fan

Multi-speed fan helps satisfy various airflow requirements.



Self Diagnosis

Clearly displayed failure codes allow for quicker troubleshooting and easier maintenance.



3-Minute Protection

A 3-minute delay before the compressor will restart helps avoid compressor damage and work time.



3D Airflow

Front air deflectors are adjustable for horizontal or vertical airflow. Airflow can be directed to air condition the whole room or even a particular point providing for better comfort.



VRF System

DC INVERTER HIGH EFFICIENCY
STANDARD AMBIENT **VRF SYSTEMS**

Cooling Capacity ranges from **22.1kW - 224.0 kW**



Control System

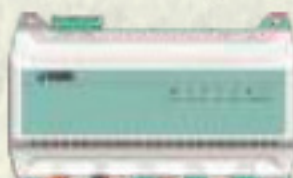
Individual Control



Centralized Control/
Central Station Control



Intelligent Control/
Central Station Adapter



High Efficiency DC Inverter Scroll Compressor
DC inverter flexible scroll compressor is equipped with a frame compliance mechanism that allows movement in the axial direction of the frame supporting the cradle scroll. This greatly reduces leakage and friction loss, ensuring high efficiency across the speed range.

CHILLED WATER SYSTEM

York provides comprehensive HVAC-R systems featuring high-efficiency, energy-optimized water-cooled chillers and integrated components for versatile applications, from large industrial processes to precision temperature control. Key features include environmentally responsible refrigerants, innovative design for maximum uptime, integrated free cooling for energy savings, and a robust global support network. The overall system uses chilled water to cool air through fan coil units or air handling units (AHUs), with fans delivering the conditioned air and the warm water returning to the chiller to be re-cooled, ensuring a comfortable and cost-effective indoor environment.

YORK® Air-Cooled Chillers

For both Residential, Commercial and Industrial applications

Key Features

- High Efficiency
- Providing the lowest possible operating costs
- Easy Installation & Operation
- Modular concept
- Perfect Comfort in a Wide
- Operating Range
- Low Sound Optimized



CLOSE CONTROL UNIT

Capacities range from 7kw to 9kw



Features

Modern Design;
Metal frame & closing doors in sheet steel;
Thermo-acoustic insulated doors;
Anthracite External PVC film.

York YCP High energy efficiency and minimum environmental impact "P" Series air conditioners for close control are special machines with design and operating features which clearly differentiate them from standard air conditioning units. The total cooling capacity coverage of the models with direct expansion - ranges from 7 up to 90 kW.



INDUSTRIAL REFRIGERATION

SABROE INDUSTRIAL REFRIGERATION

COMPRESSOR UNITS

RECIPROCATING COMPRESSOR UNITS

Sabroe CMO reciprocating compressor units

Small single-stage compressors with swept volumes of 100-270 m³/h



Sabroe SMC reciprocating compressor units

Large single-stage compressors with swept volumes of 200-1,350 m³/h



Sabroe HPO/HPC/HPX high-pressure reciprocating compressor units

High-pressure hybrids of CMO and SMC reciprocating compressors, with swept volumes of 180-1,100 m³/h



Sabroe TCMO/TSMC two-stage reciprocating compressor units

Two-stage versions of CMO and SMC reciprocating compressors, with swept volumes of 150-1,080 m³/h



Sabroe SMC reciprocating compressor units

Large single-stage compressors with swept volumes of 200-1,350 m³/h



Sabroe SAB screw compressor units

Large single-stage compressors with swept volumes of 850-11,900 m³/h



Sabroe CompAC chillers

Packaged ammonia chillers based on screw compressors, with a 100-2,300 kW capacity range



Sabroe HeatPAC heat pumps

Single-stage high-pressure ammonia-based heat pumps, using a reciprocating compressor, with a 300-2,300 kW capacity range



Sabroe HPO/HPC/HPX high-pressure reciprocating compressor units

High-pressure hybrids of CMO and SMC reciprocating compressors, with swept volumes of 180-1,100 m³/h



Sabroe SAB high-pressure screw compressor units

Variable-speed high-pressure screw compressor units with swept volumes of 1000-2,700 m³/h



Sabroe PAC chillers

Packaged ammonia chillers based on reciprocating compressors, with a 50-1,400 kW capacity range



Sabroe customised heat pumps

Ammonia-based heat pumps using a screw compressor with capacities of up to 6,800 kW



Sabroe TCMO/TSMC two-stage reciprocating compressor units

Two-stage versions of CMO and SMC reciprocating compressors, with swept volumes of 150-1,080 m³/h



Sabroe PAC chillers

Packaged ammonia chillers based on screw compressors, with a 100-6,200 kW capacity range



Sabroe CAFPCQ/NH₃ low-temperature chiller

Compact packaged freezer systems using reciprocating or screw compressors, with a 100-2,500 kW capacity range



AIR - COOLED CHILLER Sabroe SABright air-cooled chillers

Compact air-cooled chillers for outdoor installation, based on a screw compressor, with a 150-450 kW capacity range



HVACR CONTROLS

Thermostats

Heating & Cooling Room Thermostats



TIRxx

Electric Fancoil Thermostats



TI25-E



T2F

Advanced Configurable Thermostats



T9000



T7600

Room Control Unit



T20

Actuator/Valves

Terminal Unit Valve Actuators



VA9905



Smart flow
Control Series

Spring Return Plant Valve Actuators



VA7820 AND
VA7830



Val220 and
Val420

Terminal Unit Valves



Vg3000



V6W0000

Non-Spring Return Plant Valve Actuators



VA7810



VA-7700

Non-Spring Return Damper Actuators



M9102 and M9104



M9304

Safety Damper Actuators



S920B



S9220

Sensors

Carbon Dioxide

SCD-xxx

Movable Indoor
Air Quality Detection



Dew Point

HX-9100

Dew Point Sensor



Differential Pressure

DP TRANSMITTERS

Field Adjustable, Multi-Range
Differential Pressure Transmitters



Differential Pressure Transmitter

SPT0000

Differential Pressure
Transmitter



Differential Pressure Switch

SDS0000

Differential Pressure Switch



Plant Humidity

HT-1300 Outdoor

Outdoor Humidity and
Temperature Sensor



The EasyIO Controller Platform

Transform controls with EasyIO

EASYIO-FS-32

EasyIO FS Series 32- point controller



EASYIO-FS-20

EasyIO FS Series 20- point controller



EASYIO-FW-28

EasyIO FWseries 28- point Wi-Fi controller



EASYIO-FW-14

EasyIO FW series 14- point Wi-Fi controller



EASYIO-FW-08

EasyIO FW series 8- point Wi-Fi controller



EasyIO FW-VAV

EasyIO programmable FW-VAV controller, integrated actuator



PENN

Mechanical thermostats

270XT

Freeze protection, IP30



Mechanical liquid flow switch

F61

Flow switch for liquid



Mechanical liquid level switch

F263

Liquid level float switch



Adjustable differential pressure switch

P232

Sensitive differential pressure switch for Air Flow



Adjustable pressure switch

P77

Single pressure, IP54



Pressure actuated water valves

V46

2-way PAV



V46AD / V46AB/V46AR / V46AS / V46AT



FullSize Web UI



iPhone/iPod touch Web UI



P450 Controller



T4-05A00000



T4-CVM0000



CQ and CX Series Equipment and XPM Expansion Modules



T4-SAC2000-B1

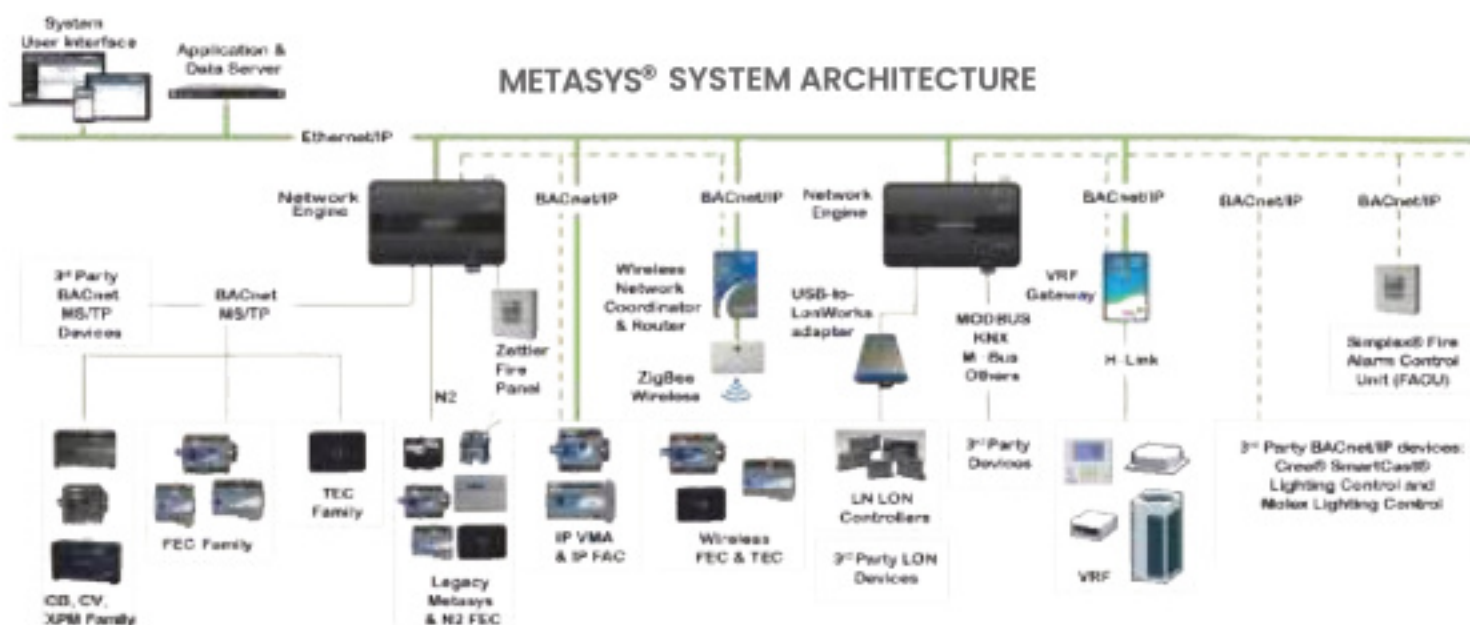
METASYS

BUILDING MANAGEMENT SYSTEM

Modern Building Energy Management Efficiency



METASYS® SYSTEM ARCHITECTURE



Venturi Valves

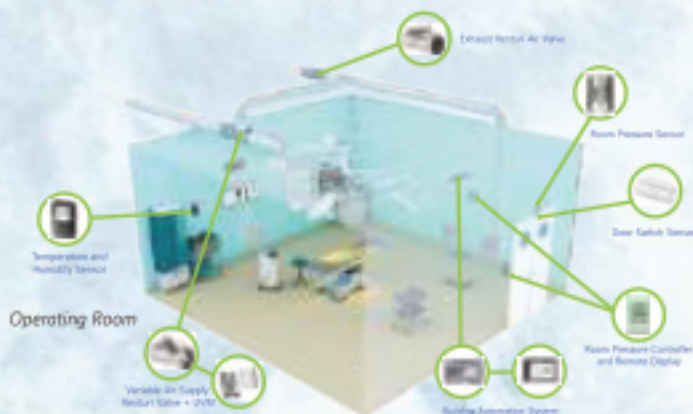
Critical Environment Controls

Healthcare Solutions

- ✓ Accurate Airflow Regulation
- ✓ Improved Infection Control
- ✓ Reliable Monitoring & Safety

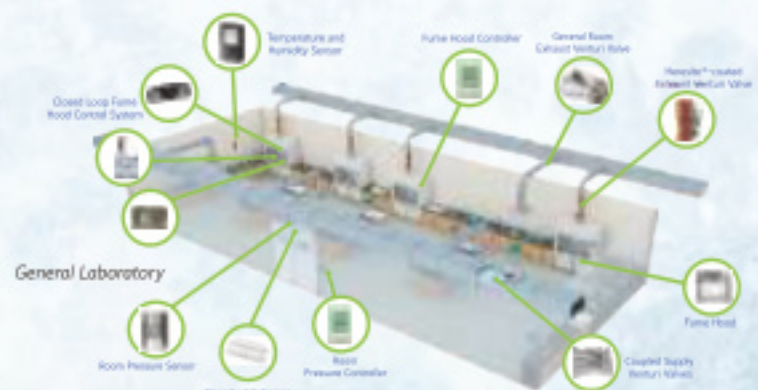


Healthcare Solutions



- ✓ Venturi Valve with Microbial HEPA Filter
- ✓ Isolation Room, Sterile Supply Room

Laboratory Solutions



- ✓ Venturi Valve with Containment HEPA Filter
- ✓ Fume Hoods, Biosafety Cabinets, Eormulity

HVACR Accessories



- Fibre Glass
- Copper pipe
- Insulation sheets
- Armaflex
- Elastomeric Insulation Tape and lots more

HVACR tools for your **perfect installations**
Available in our store

“
Installation
Should be easy,
”

Get your efficient HVAC tools
for your smart installation

**NOW
Available**

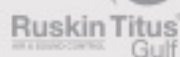


PROJECT REFERENCES

CLIENT/CONTRACTOR	PROJECT NAME	EQUIPMENT DETAILS
FEDERAL AIRPORT AUTHORITY/QUALITY ENT LTD	ABUJA INTL. AIRPORT	6 X 1,436KW YORK YVAA1443VLG CHILLERS
FEDERAL AIRPORT AUTHORITY/QUALITY ENT LTD	ABUJA INTL. AIRPORT	4 X 1,271 KW YORK YVAA1315VJF CHILLERS
FEDERAL AIRPORT AUTHORITY/QUALITY ENT LTD	PORT HARCOURT INTL. AIRPORT	4 X 1,271 KW YORK YVAA1315VJF CHILLERS
FEDERAL AIRPORT AUTHORITY/QUALITY ENT LTD	KANO INTL. AIRPORT	4 X 1,271 KW YORK YVAA1315VJF CHILLERS
CENTRAL BANK OF NIGERIA/QUALITY ENTERPRISES	CBN CALABAR	2 X YORK CUL0045EE50XEA CU , 9 X YORK YMA AHU AND 9 BMS COMPTIBLE STARTER PANELS
NIGERIA SECURITY PRINTING AND MINTING PLC	NIGERIA SECURITY PRINTING AND MINTING PLC	YORK RC360C00A7CAA2 /SC360C00A7CAA2 DUCTABLE UNITS
CENTRAL BANK OF NIGERIA/IKIJA ELECTRICAL LTD	CBN DAMATURU	3 x 610 KW YORK YVAA0183ABF CHILLERS ,1 X YCUA0298 CU , 9 x YORK YMS AHU, 3 x KSB PUMPS, VARIOUS AIRE DAMPERS, GRILLES, DIFFUSERS, ELECTROSTATIC AIR CLEANER, VENTILATION FANS, 3WAY MIXING VALVES , ACTUATORS AND THERMOSTATS
CENTRAL BANK OF NIGERIA /QUALITY ENT. LTD	CBN LAFIA	3 x 610 KW YORK YVAA0183ABF CHILLERS ,1 X YCUA0298 CU , 9 x YORK YMS AHU, 4 x YORK CLOSE CONTROL UNITS, 3 x KSB PUMPS, VARIOUS AIRE DAMPERS, GRILLES, DIFFUSERS, ELECTROSTATIC AIR CLEANER, VENTILATION FANS, 3WAY MIXING VALVES , ACTUATORS AND THERMOSTATS
OBASANJO PRESIDENTIAL LIBRARY - ABEOKUTA	OBASANJO PRESIDENTIAL LIBRARY -ABEOKUTA	YORK VRF (INODOOR AND OUTDOOR UNITS)AND DUCTABLE CONCEALED UNIT
CENTRAL BANK OF NIGERIA /GARCO LTD	CBN ABAKALIKI	3 x 610 KW YORK YVAA0183ABF CHILLERS ,1 X YCUA0298 CU , 9 x YORK YMS AHU, 4 x YORK CLOSE CONTROL UNITS, 3 x KSB PUMPS, VARIOUS AIRE DAMPERS, GRILLES, DIFFUSERS, ELECTROSTATIC AIR CLEANER, VENTILATION FANS, 3WAY MIXING VALVES , ACTUATORS AND THERMOSTATS
CENTRAL BANK OF NIGERIA /QUALITY ENT. LTD	CBN GARKI	4 x 994 KW YORK YVAA0183AB CHILLERS ,2 X YCUL0045 CU , 21 x YORK YMS AHU, 4 x KSB PUMPS, VARIOUS AIRE DAMPERS, GRILLES, DIFFUSERS, ELECTROSTATIC AIR CLEANER, VENTILATION FANS, 3WAY MIXING VALVES , ACTUATORS AND THERMOSTATS
CENTRAL BANK OF NIGERIA /QUALITY ENT. LTD	COE ENUGU	3 x 844 KW YORK YCIV0840PA CHILLERS , 2 x YORK YMS AHU, 306 X YORK FLOOR FAN COIL UNITS , 3 x KSB PUMPS, VARIOUS FIRE DAMPERS, GRILLES, DIFFUSERS, VENTILATION FANS, VARIOUS CONTROLS AND THERMOSTATS
CENTRAL BANK OF NIGERIA /QUALITY ENT. LTD	COE ZARIA	3 x 844 KW YORK YCIV0840PA CHILLERS , 2 x YORK YMS AHU, 306 X YORK FLOOR FAN COIL UNITS , 3 x KSB PUMPS, VARIOUS FIRE DAMPERS, GRILLES, DIFFUSERS, VENTILATION FANS, VARIOUS CONTROLS AND THERMOSTATS
SUJASS LIMITED	ABUJA JUDICIARY COURT	1 X YORK YV2VYH560K OD AND 5 IU VRF UNITS
NEGRIS/QUALITY ENT. LTD.	NEGRIS LAGOS	3 x650 KW YORK YCIV0 CHILLERS ,140 YORK FAN COIL UNITS, 50 HIGH STATIC DUCTABLE SPLIT UNITS , 3 x KSB PUMPS, VARIOUS FIRE DAMPERS, GRILLES, DIFFUSERS, VENTILATION FANS, VARIOUS CONTROLS AND THERMOSTATS

PROJECT REFERENCES CONTD...

CLIENT/CONTRACTOR	PROJECT NAME	EQUIPMENT DETAILS
ISHUA NIG LTD	VALLEY PLAZA LAGOS	5 X YORK YDMH-56035B OD , 33 X INDOOR IU VRF UNITS
DAMOL ENGINEERING LTD	GT BANK OFFICE	2 X YORK DC036 C00A7AA2 ROOFTOP UNITS
CENTRAL BANK OF NIGERIA	CBN GOMBE	3 x617 KW YORK YCIV0 CHILLERS , 10 X YORK YMS AHU, 5 X AIRDALE CLOSE CONTROL UNITS , 3 x KSB PUMPS, VARIOUS FIRE DAMPERS, GRILLES, DIFFUSERS, VENTILATION FANS, VARIOUS CONTROLS AND THERMOSTATS
CENTRAL BANK OF NIGERIA	CBN OSOGBO	3 x617 KW YORK YCIV0 CHILLERS , 10 X YORK YMS AHU, 5 X AIRDALE CLOSE CONTROL UNITS , 3 x KSB PUMPS, VARIOUS FIRE DAMPERS, GRILLES, DIFFUSERS, VENTILATION FANS, VARIOUS CONTROLS AND THERMOSTATS
CENTRAL BANK OF NIGERIA	CBN AWKA	3 x617 KW YORK YCIV0 CHILLERS , 10 X YORK YMS AHU, 5 X AIRDALE CLOSE CONTROL UNITS , 3 x KSB PUMPS, VARIOUS FIRE DAMPERS, GRILLES, DIFFUSERS, VENTILATION FANS, VARIOUS CONTROLS AND THERMOSTATS
CENTRAL BANK OF NIGERIA	CBN BENIN	4 x250 KW YORK YCAL0287 CHILLERS ,1X YCAL0217 CHILLERS , 5 X YORK YMA AHU,3 X K3EU120/H4CE12 PACKAGE UNIT ,5 x KSB PUMPS, VARIOUS FIRE DAMPERS, GRILLES, DIFFUSERS, VENTILATION FANS, VARIOUS CONTROLS AND THERMOSTATS
SOUTH AFRICAN EMBASSY /RCC	SOUTH AFRICA CHANCERY AND RESIDENT ABUJA	98 X YORK YJCC12FS SPLIT UNITS, 80 RACC18FS HIGH WALL UNITS, 40X YKCC18FS CASSTTE UNITS AND AIR DIFFUSER EQUIPMENT
CENTRAL BANK OF NIGERIA	CBN OWERRI	YORK ENERGY RECOVERY UNIT (ERV)
CENTRAL BANK OF NIGERIA	CBN LAFIA	BUILDING MANAGEMENT SYSTEM - METASYS
CENTRAL BANK OF NIGERIA	CBN ABAKALIKI	BUILDING MANAGEMENT SYSTEM - METASYS
CENTRAL BANK OF NIGERIA	CBN YOLA	BUILDING MANAGEMENT SYSTEM - METASYS
CENTRAL BANK OF NIGERIA	CBN LEARNING CENTRE	CLOSED CIRCUIT TELEVISION SYSTEM (CCTV)
MAR & MOR	ALLIANCE PLACE	BUILDING MANAGEMENT SYSTEM - BCPRO
QMB	QMB ALPHA MART	HVAC, ACCESS CONTROL, CCTV & ICT
PETROCAM	OFFICE COMPLEX, LAGOS	HVAC



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