

www.mdx-i.com

MDXi
An Equinix Company



WE ARE WEST AFRICA'S
LEADING DATA CENTER
COMPANY



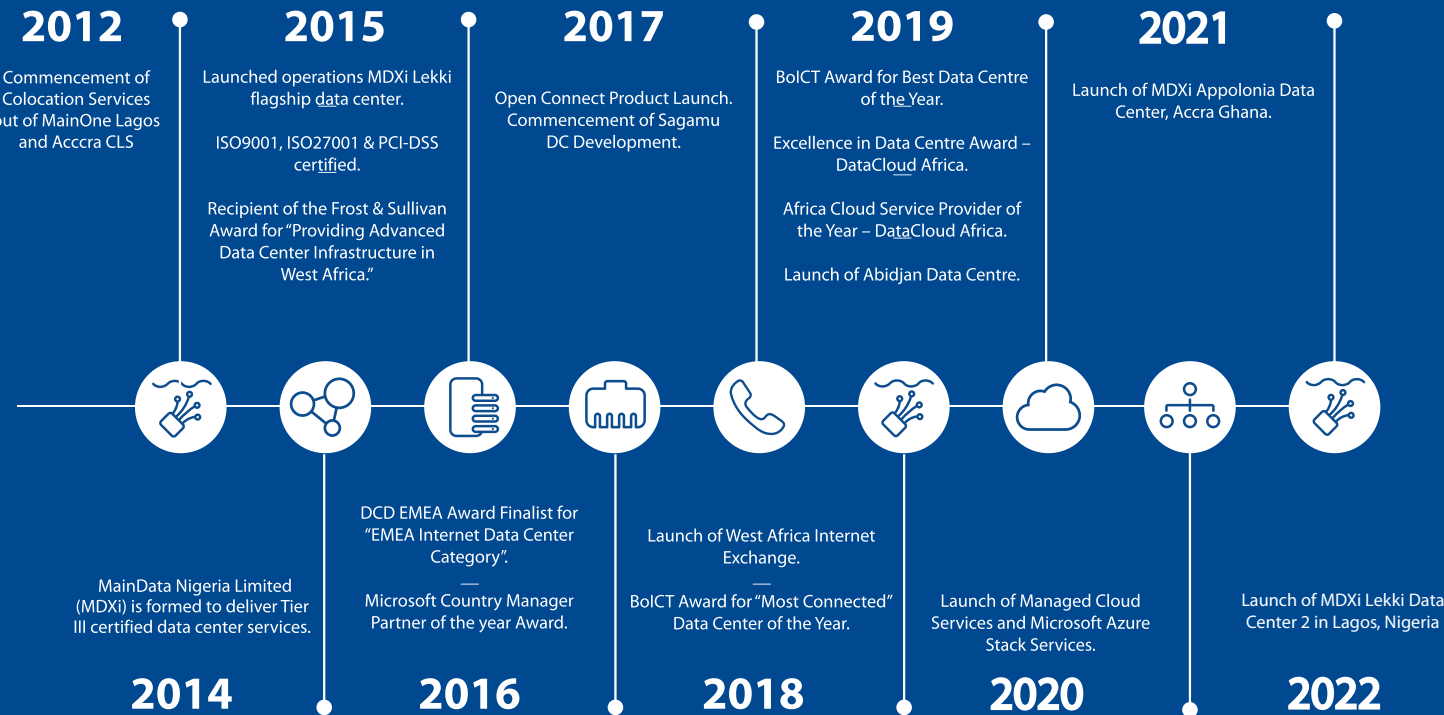
WE ARE MORE THAN A COLOCATION CENTER; WE ARE HOME TO GLOBAL CARRIERS, CONTENT PROVIDERS, INTERNET EXCHANGES, ISPs, PAYMENT PROVIDERS, FINANCIAL INSTITUTIONS, CLOUD SERVICES PROVIDERS AND ENTERPRISES.

We offer a variety of colocation and cloud services, delivered via state-of-the-art infrastructure and a world class support team to ensure your business runs optimally.

Our carrier neutral data centers are located in Nigeria, Ghana and Cote d'Ivoire.

FEATURES

- > Carrier Neutral, Open-Access connectivity.
- > Uptime Institute Tier III Facility certified.
- > ISO 9001, ISO 27001, and PCI-DSS certified.
- > Built to TIA942 Standards.
- > Mission critical physical and electronic security with enterprise grade fire protection.
- > Home to the West African and Nigerian Internet Exchanges.
- > Directly connected to all major networks and submarine cables in Nigeria, Ghana and Cote d'Ivoire.
- > Direct peering available through MainOne to the Ghana, London, Lisbon and Amsterdam Internet Exchanges.



Definitions

DCD – Data Centre Dynamics
 BoICT – Beacon of Information & Communications Technology
 PCI-DSS – Payment Card Industry Data Security Standard

WEST AFRICA FOOTPRINT

MDXi Lekki (Nigeria) – Premier data center campus with two (2) separately operated facilities made up of a 600-rack capacity purpose-built data center and 520-rack capacity modular data center, both situated about 20km from the Lagos business district.

Accra DC – A high availability facility that provides floor space for housing IT equipment. It also doubles as MainOne’s cable landing station facility providing customers access to our world class IP NGN, extensive terrestrial fibernetworks, major network operators and Internet service providers in the region.

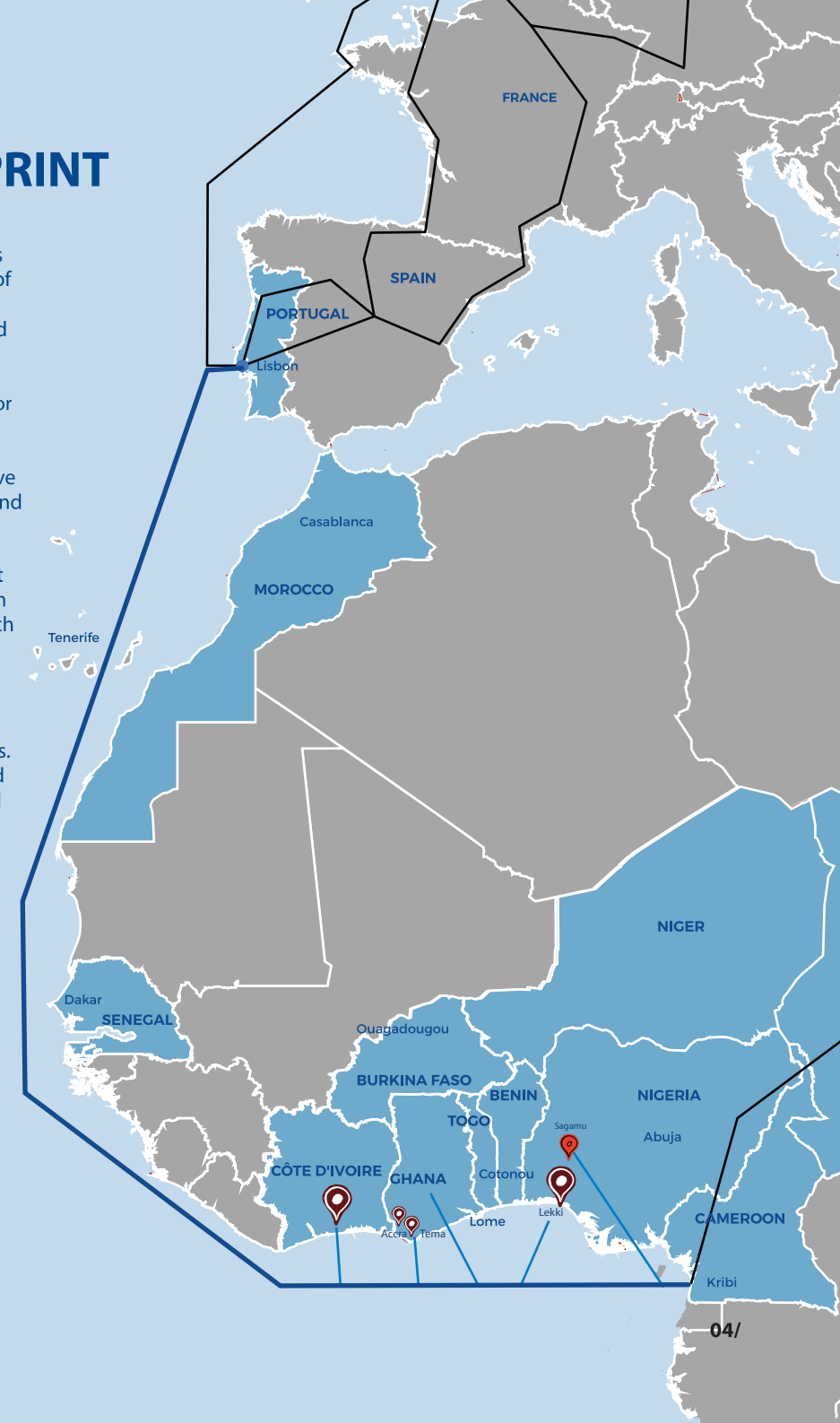
MDXi Sagamu (Nigeria) – Planned to be the largest data centre in West Africa on a sprawling 42,000 sqm land with easy access to major commercial cities such as Lagos, Ibadan, Abeokuta and Ota.

MDXi Appolonia (Ghana)
 The Appolonia DC expands the rack footprint availability in Ghana by an additional 104 rackspace. The Tier III facility is constructed on a 4,047 sqm land area in Appolonia city, a fast growing light Industrial park located within the northern suburbs of Greater Accra Metropolitan Area.

MDXi Cote D’ivoire - The Tier III facility was launched in November 2019 and is situated at the Grand Bassam, Abidjan.

LEGEND

Operational
 Under Construction
 Planned
 Submarine Cable



MDXI DATACENTERS IN WEST AFRICA



LEKKI DATA CENTER – LAGOS, NIGERIA

- Features
- Purpose-built brick & mortar with 600-rack Capacity on 3,500sqm. Expansion of the Lekki Data Center phase 2 with additional 130-rack capacity.
 - Built to TIA942 & Uptime Institute Tier III Standards.
 - Deliver 100% availability year on year since inception.
 - Open Access Connectivity and Home to the West Africa Internet Exchange (WAF-IX) and Internet Exchange Point of Nigeria (IXPN).
 - TCCF, TCDD, ISO 27001, PCI-DSS, ISO 9001, and SOC 2 Audited.



APPOLONIA DATA CENTRE – ACCRA, GHANA

- Features
- Large Infrastructure Campus (4.5Ha of Land).
 - Modular Data Center with 104 racks.
 - Tier III Uptime, TIA-942.
 - High Power density, PUE of 1.6.
 - Large Storage/Warehouse Facility.
 - Connects to a large Metro ring Fibre.
 - Connects all Cable Systems in Nigeria and Ghana (M1, ACE, WACS, Glo-1 etc).



ABIDJAN DATA CENTER, COTE D'IVOIRE

- Features
- Modular DC, co-located with MainOne Submarine CLS.
 - Located in Abidjan Free Trade Zone, VITIB.
 - Access to all submarine Cables in West Africa.
 - Tier III Uptime, TIA-942.
 - High Power density, PUE of 1.6.
 - Connects to a large ring of Abidjan Metro Fibre.

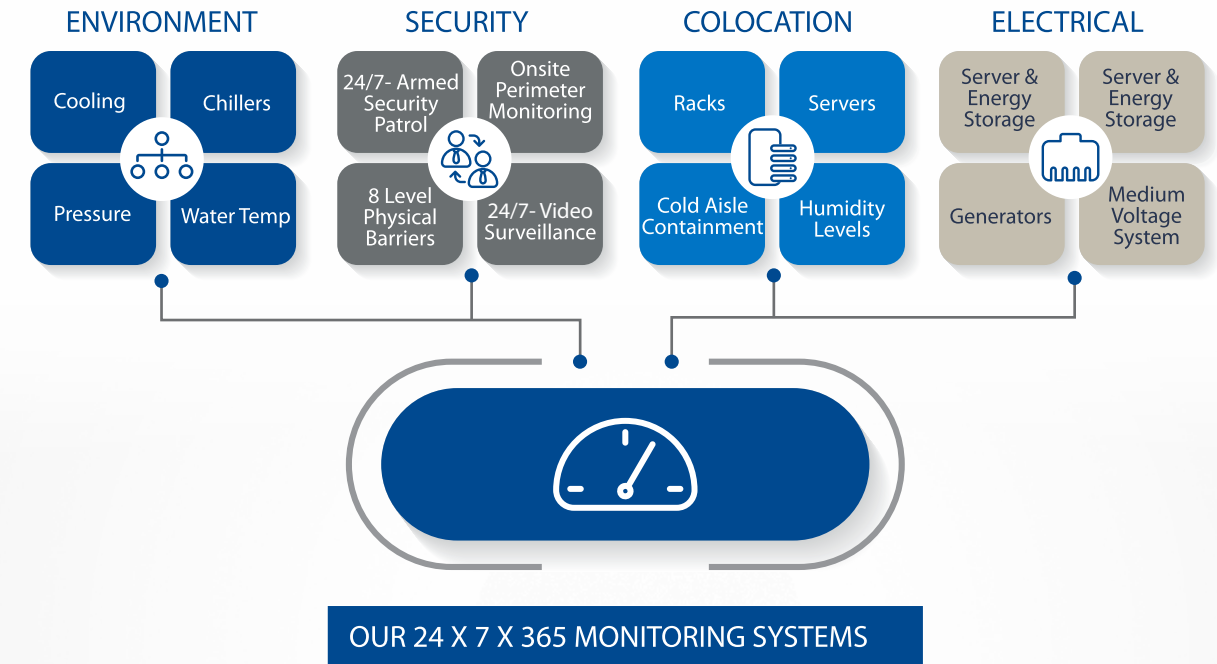


- Features
- Carrier Neutral Facility with multiple network providers
 - Uptime Certified Tier III
 - Modular data center of 520 racks capacity
 - High Energy Efficiency
 - Backup Generation Capacity
 - Fully Integrated Building Automation System



MDXi provides the right colocation environment required to handle high availability systems with flexibility to scale up effortlessly as demand grows

TECHNOLOGY PARTNERS



Ultra-Secure Facility

Some of our Multi-layer Advanced Security System features are:

- 8-levels of physical access control.
- Comprehensive Visitor Management Systems (VMS).
- Biometrics & Metal Detectors.
- Armed Security Patrol.
- CCTV Coverage.

Proactive Fire Protection Systems

- High Speed, laser based Very Early Smoke Detection Apparatus (VESDA).
- FM-200 Fire suppression gas installed in equipment rooms.
- Modular design with fire rating of up to 2 hours in each cavity.

Reliable & Efficient Facility

- Connection to the National Grid which ensures stability of Data Center infrastructure and lower cost of operation to customers for cost effectiveness.
- N+N Power Redundancy at all levels.
- 100% uptime since January 2015 launch.

Operations

- 24 x 7 x 365 Network Operating Center.
- 360 degrees visibility via Building Management Systems.
- On Prem, multi skilled, Level 1&2 Support Engineers.
- Remote Hands & Eyes Support (RHES).

OPEN ACCESS-CARRIER NEUTRAL

MDXi Open Connect facilitates increased interconnection, collaboration and peering for customers to easily interconnect with carriers, internet service providers, business partners, cloud and content providers; while reducing the cost of connectivity in an open access, carrier neutral environment.

FEATURES

Optical Cross Connect:

Fiber connection between pre-cabled customer patch panel and another colocated entity's patch panel in data center meet me rooms.

Metro Connect:

Connection between customer and another party in a separate geographical location.

Dedicated Patch Panel:

Pre-cabled patch panel dedicated to customer hosting space to enable bulk or metro cross connects.

Direct Connect:

Fiber connection between customer patch panel and operators with fiberpresence at Data center in meet me room.

BUSINESS BENEFITS

Enhanced Network Performance:

Low latency, fast application performance and reliability achieved via direct physical connections to service providers, content and business partners.

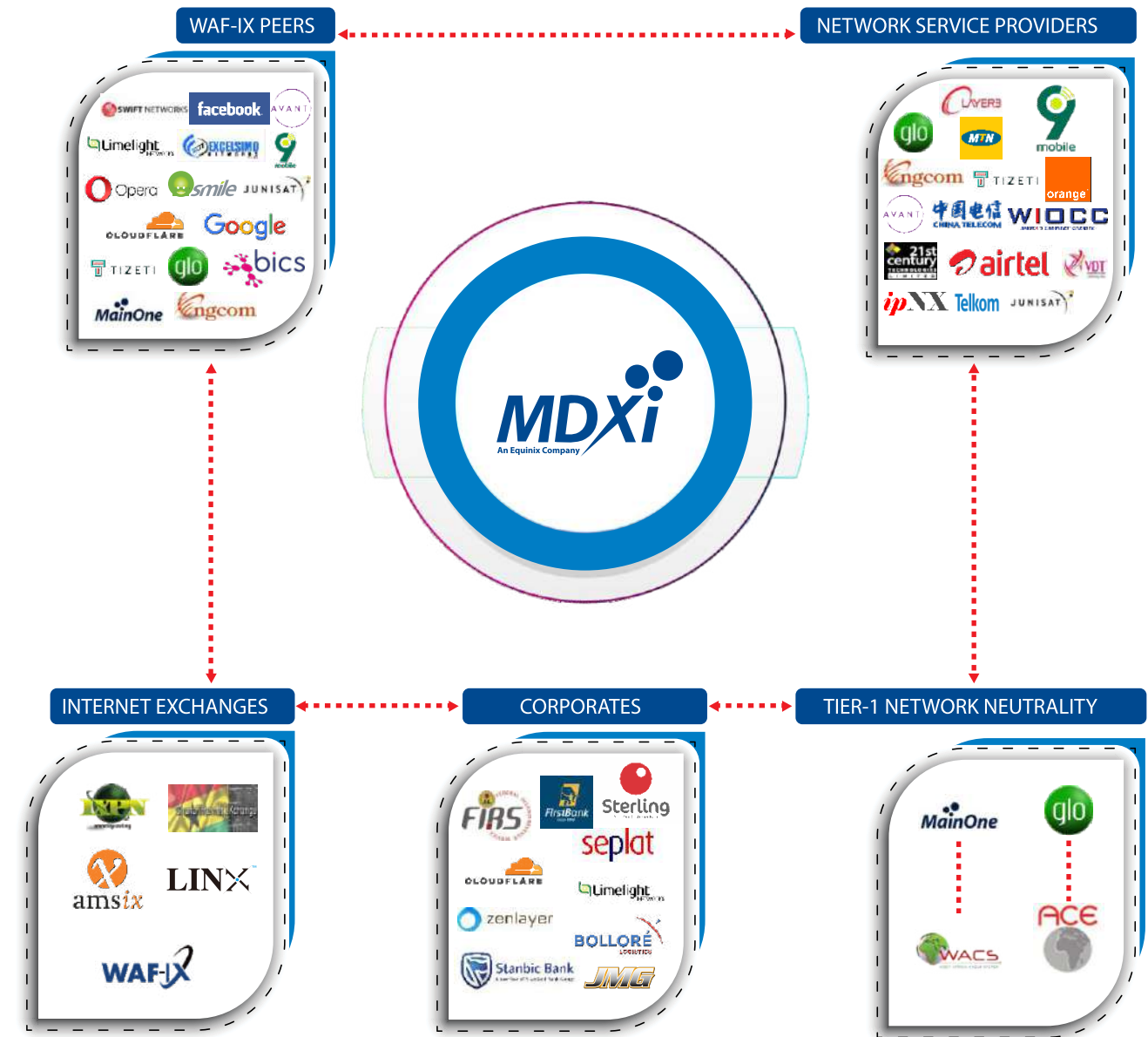
Cost Savings:

Direct access to multiple networks thereby providing competitive pricing options.

Wide reach:

Direct connections to multiple networks, carriers, submarine cables, local, regional and international internet exchanges.

INTERCONNECTION AT MDXi



OUR CUSTOMERS ENJOY THE FOLLOWING BUSINESS BENEFITS

Mission Critical Redundancy

Surmount the challenge of epileptic power supply and take advantage of multiple active power and cooling systems with concurrently maintainable redundant components.

World class open access connectivity

Access highly reliable connectivity from multiple providers at the lowest latency.

Reduced CAPEX/OPEX

Avoid capital to build and reduce operational expenses by leveraging on economies of scale.

Expert technical Support

24/7/365 support from multi-skilled, certified, engineering team for routine tasks and emergencies.

Access to the Nigerian & West African Internet Exchanges

Interconnect with global content providers, local and regional network providers, enhancing the internet experience of your users and improving routing control.

Scalability

Flexible footprint to enable business growth as the need for expanded network, storage and computer infrastructure arises.

Reduced time to market

Focus times to market for new products and services that usually require longer infrastructure development schedules.

Focus on Core Business

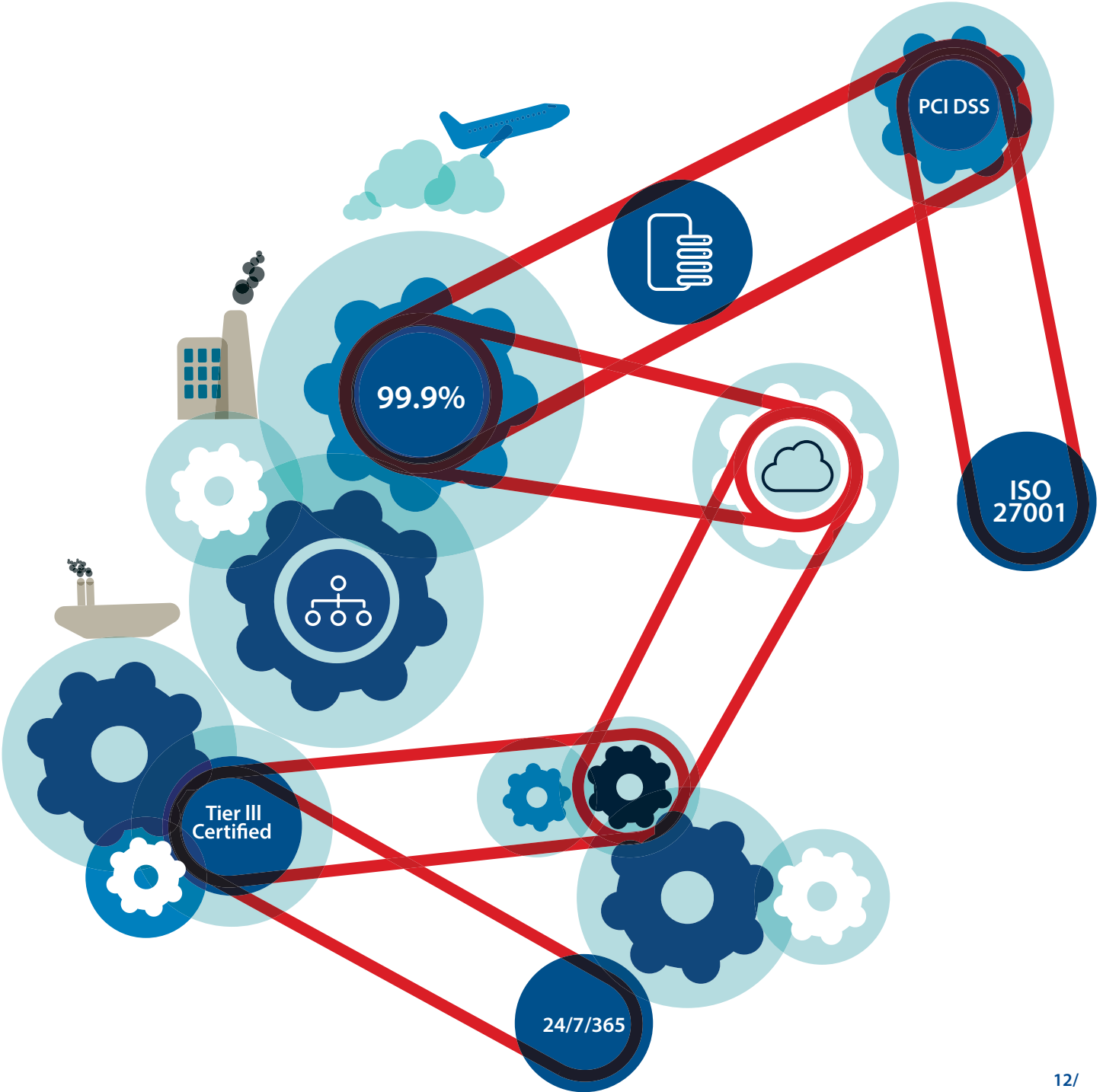
Focus on core revenue generating activities and move away from managing IT infrastructure.

Seamlessly scale into West African Countries

Expand your business reach into Ghana and Cote D'Ivoire with our carrier-neutral facilities operating with 100% uptime since launch.

Access to the Largest West African Financial ecosystem

With over 50% of the commercial banks and all payment providers colocated with us, you achieve direct connectivity to these providers.



FINANCIAL SECTOR CASE STUDY



Stanbic IBTC
A member of Standard Bank Group


Stanbic IBTC is one of Nigeria's leading and most innovative banks. They have constantly blazed the trail in the last decade by deploying Information and Communications Technology (ICT) solutions. Driven by a goal to become Nigeria's foremost end-to-end financial services institution, the bank understood that one of the prerequisites to achieving this objective was an overhaul of its primary and disaster recovery data centers.

SOLUTIONS

- MDXi designed and deployed a secure, private, colocation suite and work space for the bank. Solution was designed after a comprehensive technical and TCO analysis of their needs.
- Solution also included a high capacity network to aggregate links from various telecom service providers.
- The solution also include a high capacity network to aggregate links from various telecom service providers connecting the bank's 180+ branches nationwide.
- The bank's primary and disaster recovery data centers were also interconnected for failover purposes.

RESULTS

- The bank quickly achieved regulatory compliance and increased efficiency exponentially without investing in capital and management effort to build out a new facility.
- MDXi's Interconnect solution also ensured access to all critical locations through diverse network providers for uninterrupted service availability.



FINANCIAL SECTOR CASE STUDY



FBN Merchant Bank is the merchant banking business of FBN Holdings Plc, one of the strongest and most dependable financial groups in Africa. As a young and agile merchant bank, leveraging an OPEX based business strategy is key to retaining its position as the leading merchant bank in Nigeria. The bank needed to go to market quickly and understood that building, owning and operating a data center would be a distraction from the core business of banking.

SOLUTIONS

- MDXi designed and deployed secure rack spaces with adjacent rack spaces reserved for growth.
- Delivery also included replication link designs, implantation and configuration to enable data replication between primary and redundant sites.
- MDXi technical solutions team assigned to project manage and advise on all aspects of server migration to the data center.
- Multi skilled engineering pool was assigned to assist and support customer with on-boarding and post on-boarding activities.

RESULTS

- The bank launched successfully within defined timelines and with all IT infrastructure running effectively.
- The bank has scaled efficiently and without disruption into reserved rack space.

TECHNOLOGY SECTOR CASE STUDY



Zenlayer is an edge cloud services provider that enables businesses to instantly lower latency and improve global user experience. As part of its expansion strategy in the African market, Zenlayer required a low latency network environment with infrastructure critical to its business processes. The company also required a highly available and flexible Data Center capable of scaling as core IT infrastructure operations ramped up.

SOLUTIONS

- Provision of a test environment to measure network performance.
- Design and deployment of secure rack spaces with adjacent spaces reserved for growth.
- Delivery of bespoke solution that enabled the reach to all major Telecom Operators in Nigeria.
- Delivery also included establishing peering connection with the Internet exchange platform for enhanced customer experience.
- Multi skilled engineering pool was assigned to assist and support customer with onboarding and assistance with future growth and upgrades.

RESULTS

- Zenlayer achieved its requirements of high availability, flexibility and scalability for a low latency network capable of reaching eyeballs within Nigeria and the West Africa region.
- Zenlayer has also scaled quickly into reserved rack space as customer demand continues to grow.



MDXi is the only West African Cloud Provider with an end-to-end offering across Data Center, Connectivity, Cloud. MDXi Cloud complies with the most recognized standards, certifications and partnership demonstrating adherence to industry best practices and standards.

TECHNOLOGY PARTNERS



SUPPORTED PLATFORMS



MANAGED CLOUD SERVICES

Our team of on-demand, highly-skilled cloud engineers, solutions architects and system administrators help businesses of all sizes realize the full power of cloud computing across multi cloud, hybrid and traditional cloud platforms without the complexity and cost of managing it on their own.

OUR SERVICES

Cloud Consultancy.
We will help you evaluate moving to the Cloud from a traditional or on-premise data center and suggest ways to reduce costs without compromising on uptime or quality.

Infrastructure as a Service (IaaS).
Host your application to meet local data residency requirement and reduce latency to Nigerian eyeballs.

Deployment / Migration.
Leverage IaaS in the cloud to deploy new infrastructure for your applications and identify the right cloud platforms to migrate your applications.

Backup and Disaster Recovery.
We provide you with reliable choices of storing your data in the cloud (in Azure, AWS or MDXi storage) with strong encryption of your data – in transit and at rest.


Storage & Archiving.
Reduce the costs and complexity of archiving your enterprise data by moving your on-premises storage and data archiving to the cloud.

Security.
MDXi leverages a wide range of technologies and processes to provide an isolated and highly-secure environment.

Network & Connectivity.
Private connections can be setup between Azure / AWS datacenters and your colocation environment for reliable & faster connections.

KEY FEATURES

-  Guaranteed SLA & rapid response times
-  AWS Direct Connect and Microsoft ExpressRoute service provider
-  Continuous Cloud assessment and Cost optimization
-  Fit-for-purpose Hybrid Cloud deployment options tailored to suit your business need wherever you are on your cloud journey
-  Proactive monitoring using Enterprise Cloud management tools
-  Collaborative 'do-with' approach for Managed Services
-  24/7 Cloud Support Team with clear escalation matrix
-  Advanced partnership with 3rd party partners, that ensures prioritized support and escalation.



ENERGY SECTOR CASE STUDY



JMG Limited is one of Nigeria's largest providers of power generation solutions and electrical infrastructure and the local distributor for some of the world's largest energy solution providers, including ABB, Caterpillar, GE, Mitsubishi.

BUSINESS CASE

With more than 5000 customers across West Africa, JMG opted to host its CRM and ERP workloads in the public cloud. With the absence of public cloud data centers in Nigeria, this meant that the applications needed to be accessed from an offshore data center. While the offshore cloud setup was mostly functional, JMG's rapidly expanding portfolio and customer base brought increased demands for system reliability, data analysis and faster responsiveness to internal and customer requests.

SOLUTIONS

JMG concluded that it was vital for its CRM and ERP workloads to be closer to its end users and selected MDXi to host its CRM and ERP servers. MDXi provided a secure, global standard, purpose-built environment for JMG's servers alongside a reliable MPLS connection to ensure JMG has a direct connection to the data center and access to its other providers facilitated by the availability of the Nigerian Internet Exchange (IXPN) and West African Internet Exchange (WAFIX) within the MDXi facility.

RESULTS

The company achieved a material increase in performance. Uptime was substantially improved due to lower dependence on international connectivity. In addition, JMG saw a substantial decline in latency, by as much as half, as a result of switching provisioning from European data centers to Lagos recording a considerable improvement in overall user experience.



TECHNOLOGY SECTOR CASE STUDY



Trobexis is a best-in-class, global, workforce planning solution, that connects workforce logistics demand to operational execution to deliver business value to all stakeholders.

BUSINESS CASE

As an international logistic management solution company, Trobexis needed to deploy their solution remotely for an International Oil & Gas company in Nigeria and needed to work with an in-country, infrastructure partner with stringent data compliance standards, security, performance requirements and a regional footprint. MDXi was chosen as that partner.

SOLUTIONS

The company leveraged the Azure Stack at MDXi to deliver their Enterprise Workforce Logistics Management System application remotely to an International Oil Company in Nigeria.

RESULTS

Prior to the move to MDXi, the TrobexisOne application had been deployed in public Azure cloud infrastructure. According to Jonathon Tilsley, Director Trobexis PTY Ltd, deploying TrobexisOne at MDXi was a seamless experience “We deployed everything remotely without having any member of our technical team on ground. The rollout was timely, and the plan was adhered to. We have never deployed this application in a hybrid environment and the team was able to lead us down the path to help us achieve our desired outcomes. We got the application for the International Oil Company (IOC) ready before the live date.”

AWARDS



Most Connected Data Centre of the Year 2018, MDXi, Lekki



Best Tier III Data Centre of the Year 2019, MDXi, Lekki



CERTIFICATIONS



TCDD Uptime institute Tier III Certification of design documents.



TCDD Uptime institute Tier III Certification of Constructed Facility.



ISO27001 Certification



ISO9001 Certification



PCI-DSS Certification



SOC 2 Certification



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