



NIGERIA INTER-BANK SETTLEMENT SYSTEM PLC

How NIBSS Partnered with
MDXi to Support Nigeria's
Growing Financial
Services Ecosystem



• ABOUT

The Nigeria Inter-Bank Settlement System (NIBSS) promotes electronic payments across the Nigerian financial industry and acts as the primary clearing house for inter-bank payments and settlements. NIBSS is widely considered to be the central utility for Nigeria's payment system and manages Nigeria's National Central Switch (NCS), the sector's main interoperability platform, and Nigeria's Automated Clearing System (NACS), which facilitates the electronic clearing of cheques and other paper-based instruments, electronic funds transfer, automated direct credits and debits.

As it expanded its infrastructure and range of services, NIBSS emerged as a central component in Nigeria's financial inclusion strategy tasked with developing a nationwide network for electronic payments and facilitating the integration of emerging fintech companies into the financial system as they connect to the NIBSS platforms.

BUSINESS CASE



As NIBSS continues to integrate a myriad of fintech startups, facilitate the development of new digital banking channels, expand mobile money services and preserve the security of the system, more demands is being placed on its existing IT infrastructure. Traditionally, NIBSS had managed two data centers on premises, including a remote location for failover purposes. In practice, this meant that the expenses tied to power, cooling, security or operational staffing for managing the facilities were essentially duplicated. The rising cost of real estate was another area of concern, with a considerable impact on IT-related operating expenses. Faced with the need to expand its IT facilities, NIBSS explored a variety of strategic options, ultimately settling for colocation services. While it maintains some core assets on-premises, NIBSS decided to externalize its alternate failover site to a third-party provider, and after a thorough review, selected MainOne's MDXi Data Center.



SOLUTION

MainOne designed and deployed secure rack spaces as well as interconnected the primary and disaster recovery DCs for failover and high availability purposes. Delivery also included replication link design, implementation and configuration to enable data replication between primary and disaster recovery sites. High capacity network was provided to aggregate links from various telecom service providers while a multi-skilled technical team was assigned to assist and support customer with on-boarding and post on-boarding activities.



RESULT

- The outsourcing of its secondary data center requirements to MDXi carried numerous benefits for NIBSS. From cost savings to operational efficiency, the migration to MDXi also translated to productivity gains, to the benefit of the broader financial services ecosystem. With a reliable failover site, NIBSS has been able to focus more IT staff resources on core site activities and expanding the broad range of services offered to stakeholders.
- Another considerable benefit has been improved uptime for the redundancy site. The ability of the MDXi facility to provide reliable, SLA-supported, 24/7 performance was a critical selling point for NIBSS. In addition, MDXi's Remote Hands and Eyes capability ensures that emerging issues can typically be addressed with limited need to send a technician to the site.

ABOUT *MainOne*



MainOne is a broadband infrastructure company providing innovative telecoms services and network solutions across West Africa. Its submarine cable was the first private subsea cable to deliver open-access, broadband capacity to West Africa in 2010, heralding the explosion in internet access witnessed in the region. The company has developed a reputation as the preferred provider of wholesale internet services to major telecom operators, ISPs, government agencies, large enterprise, and educational institutions in the region. MainOne also owns a data centre subsidiary, MDXi which builds and operates Tier III data centres across West Africa. MainOne's submarine cable system traverses the coast of West Africa with interconnection to leading regional operators and internet exchanges worldwide to provide global reach to its customers.



ABOUT *MDXi*

MDXi, a MainOne company is West Africa's leading commercial data center and interconnection operator. Our carrier neutral data centers located in Nigeria, Ghana and Cote d'Ivoire are differentiated by access to all leading internet exchanges, major network providers and ISPs in the region.

MDXi offers a variety of colocation and cloud services, delivered via state-of-the-art infrastructures and a world class support team to ensure your business remains productive and profitable.



Cloud services



Colocation



Connectivity services



Data centre services