PRIMETECH

Design & Engineering + Architecture



Structural Engineering

Architecture

Infrastructural Engineering

Mechanical, Electrical & Pipe Services

Project Management Services

Content

Company Overview 1

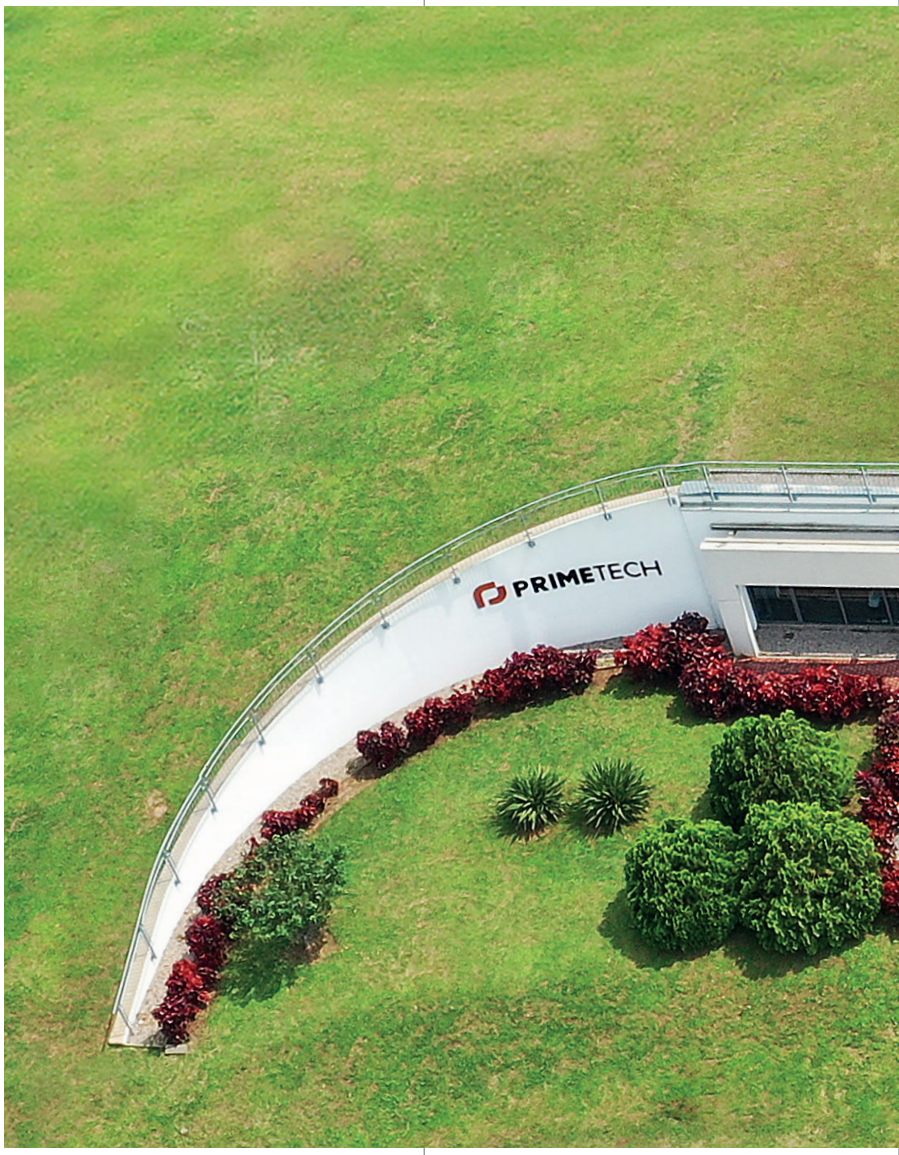
Company Structure 3

Corporate Culture 5

Business Segments 21

Project Portfolio 33

Memberships & Certifications 87





Company Overview

Harnessing decades of own and inherited experience across architecture, design and engineering to deliver holistic solutions.



PrimeTech is a leading design and engineering company in Nigeria, with extensive combined experience in delivering innovative and efficient solutions across architecture, building design, industrial facilities, bridges, roads and infrastructure.

Through strong local and international partnerships and the use of 5D BIM collaboration, **Prime**Tech delivers complex projects efficiently and to clients' specifications, providing best-in-class architectural design, engineering consultancy and Front-End Engineering Design (FEED) services to meet the demands of modern construction and infrastructure development.

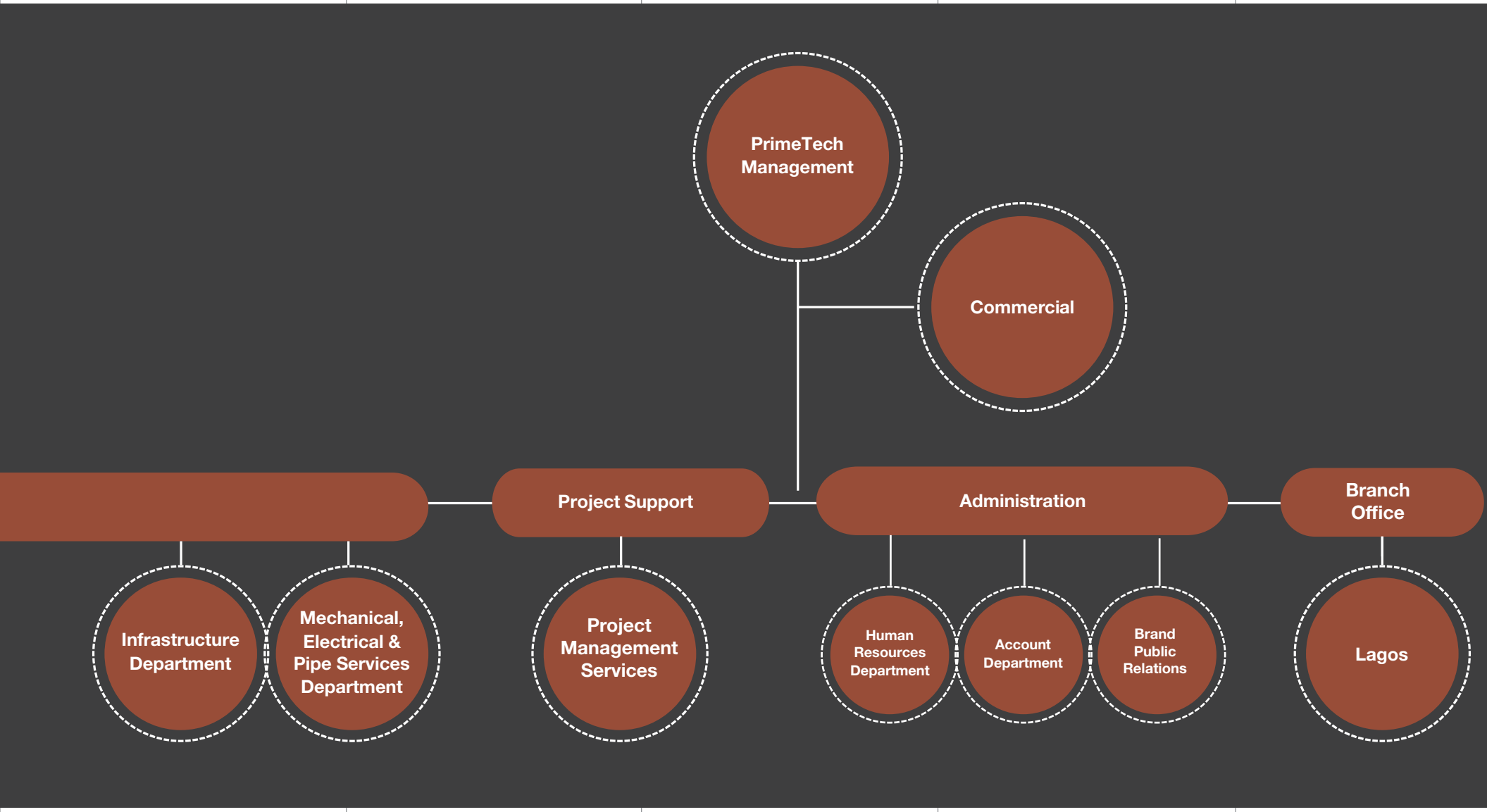


***Prime**Tech's vision is to be the design and engineering partner of choice in Nigeria by securing clients' success through excellence and value.*

Company Structure

PrimeTech's organisational structure allows for an effective and efficient value delivery system.




PrimeTech Management
Commercial
Project Support
Administration
Branch Office
Infrastructure Department
Mechanical, Electrical & Pipe Services Department
Project Management Services
Human Resources Department
Account Department
Brand Public Relations
Lagos

Corporate Culture



PRECISION

Thorough preparation, carefully planned design & engineering solutions, structured processes and pinpoint execution



PARTNERSHIP

Mutually agreed upon and realistic goals achieved through professional and collaborative cooperation



INNOVATION

Development of creative solutions and continuous upgrade of technical capacities and support facilities



QUALITY

Balancing aesthetics, function, environment, human, and economic considerations to find solutions.



INVESTED

Committed to project goals, staff and community development



EMPLOYEE DRIVEN

Quality delivery cycle beginning and thriving upon employee-related policies

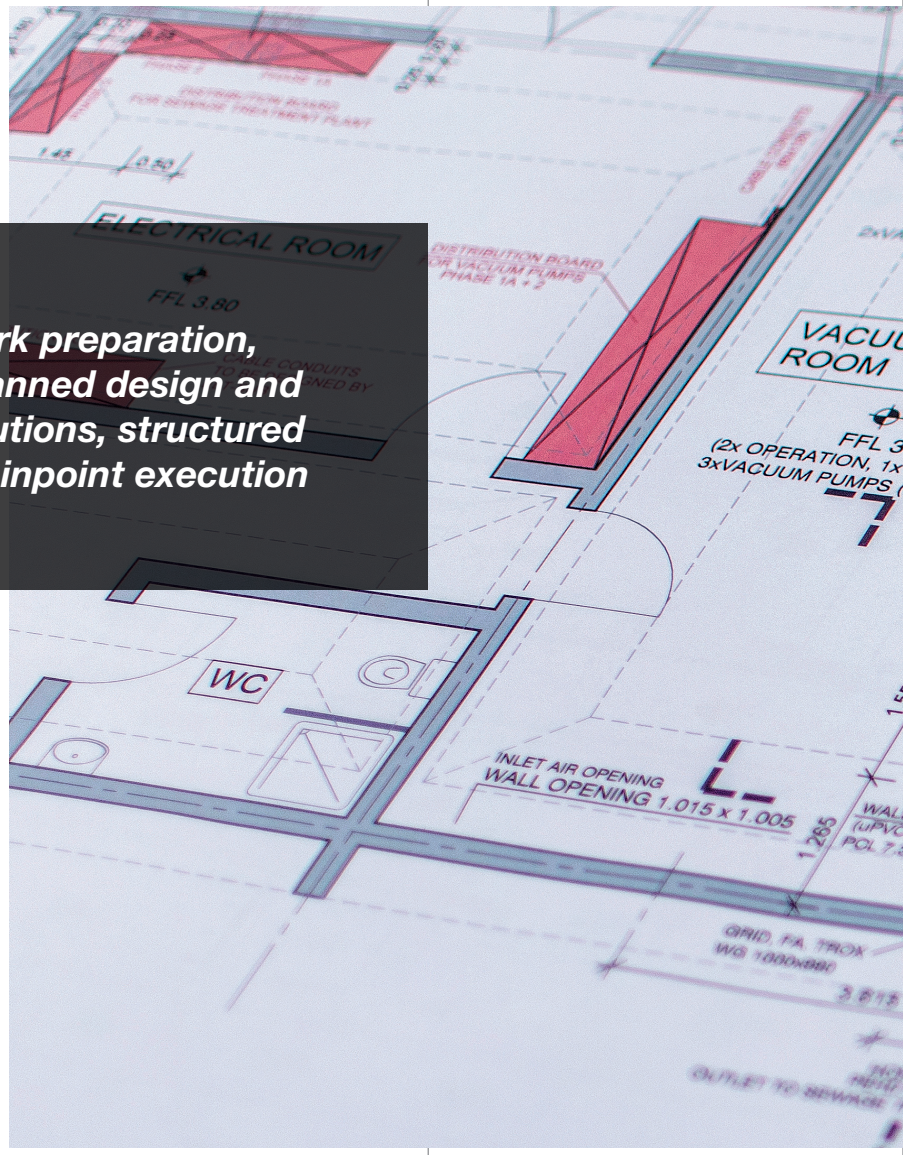


RESPECT

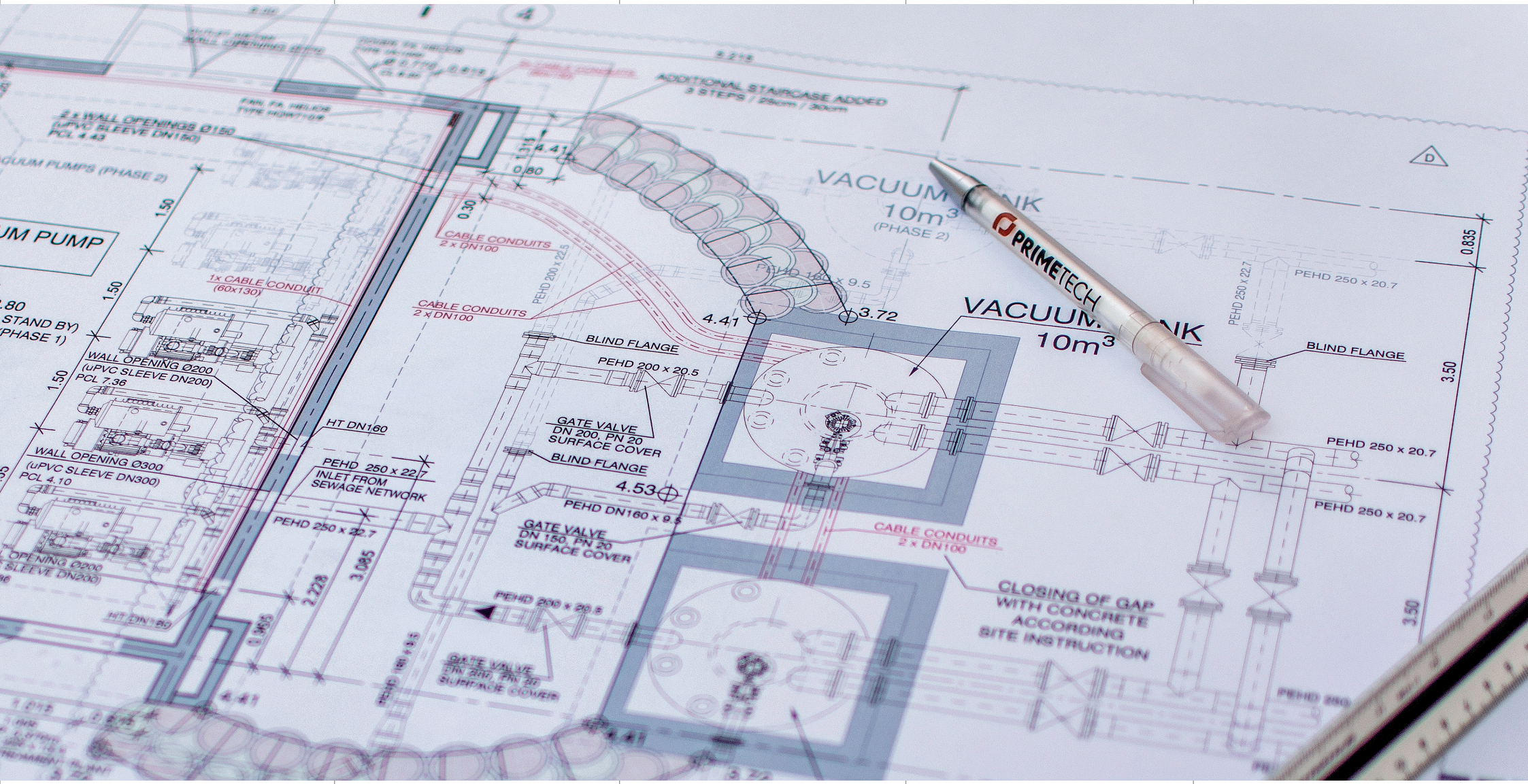
Stimulating respect to boost productivity, collaboration, fairness, employee satisfaction, and extending it to clients and partners

Precision

Thorough work preparation, meticulously planned design and engineering solutions, structured processes and pinpoint execution

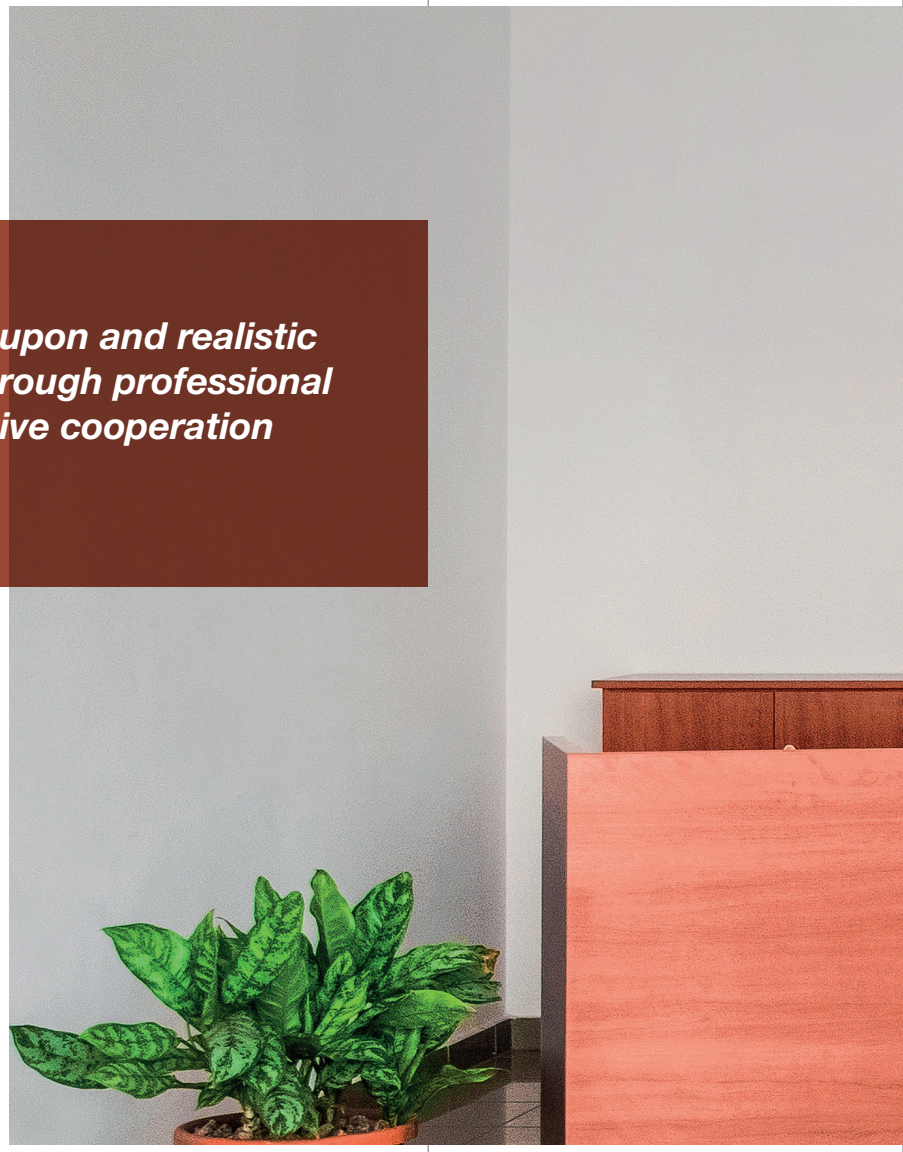


PrimeTech places a high emphasis on precision and offers clients ethical, well-planned design and engineering solutions. Its strict attention to detail and scheduling leads to organised, quality-driven processes. It adheres to the ISO 9001:2015 standard and complies with client-specific regulations.


ADDITIONAL STAIRCASE ADDED
3 STEPS / 25cm / 30cm
2 x WALL OPENINGS Ø150
(uPVC SLEEVE DN150)
PCL 4.43
VACUUM TANK
10m³
(PHASE 2)
CABLE CONDUITS
2 x DN100
1x CABLE CONDUIT
(60x130)
PEHD 200 x 22.5
PEHD 160 x 9.5
4.41
3.72
BLIND FLANGE
PEHD 200 x 20.5
WALL OPENING Ø200
(uPVC SLEEVE DN200)
PCL 7.36
HT DN160
GATE VALVE
DN 200, PN 20
SURFACE COVER
WALL OPENING Ø300
(uPVC SLEEVE DN300)
PCL 4.10
PEHD 250 x 22.7
INLET FROM
SEWAGE NETWORK
4.53
PEHD DN160 x 9.5
GATE VALVE
DN 150, PN 20
SURFACE COVER
CLOSING OF GAP
WITH CONCRETE
ACCORDING
SITE INSTRUCTION
PEHD 250 x 20.7
0.835
3.50
1.50
0.30
0.80
PRIMETECH

Partnership

Mutually agreed upon and realistic goals achieved through professional and collaborative cooperation



PrimeTech is a dedicated partner that values professional and collaborative cooperation. It focuses on building long-term business relationships based on trust and transparency. The company sets realistic goals for projects based on agreed-upon parameters, and emphasise clear and open processes in all areas, maintaining continuous engagement and communication with clients and partners.

PrimeTech also places importance on the long-term sustainability of its services, both environmentally, economically, and socially. It leads the way in implementing advanced technologies and operational procedures to promote sustainable management practices in Nigeria.


PRIMETECH

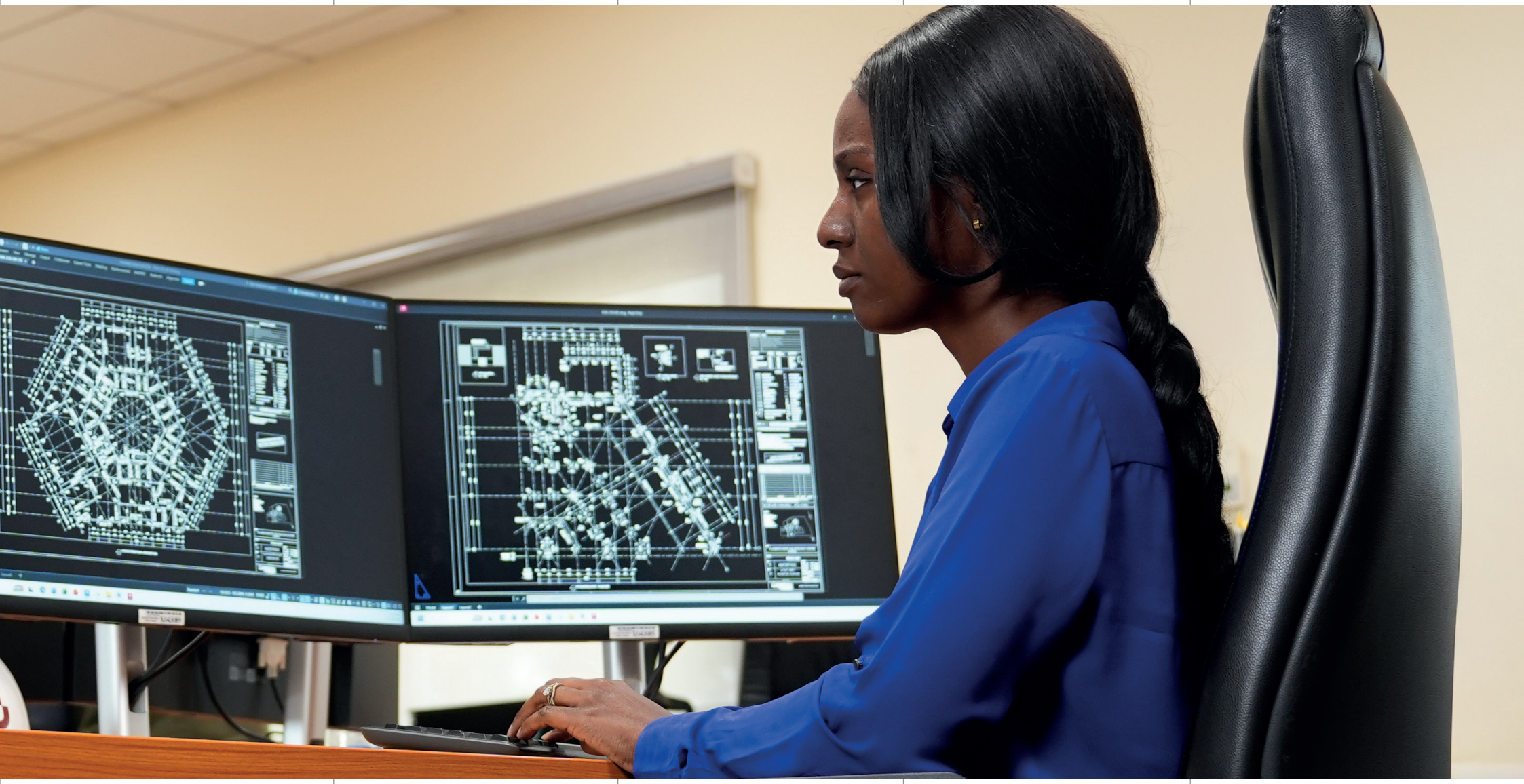
Innovation

Development of creative solutions and continuous upgrade of technical capacities and support facilities



PrimeTech strives for innovation, focusing on developing creative solutions that align with clients' visions. It continuously enhances its technical capabilities and support facilities to expand their expertise in delivering innovative design and engineering. The company ensures the application of advanced methods and techniques by keeping its highly qualified staff updated on the latest domestic and global market developments.

To further enhance its technical proficiency, **Prime**Tech leverages diverse international resources to gain specialized knowledge on emerging trends and cutting-edge technologies. As a leader in sustainable design & engineering in Nigeria, the company maintains an extensive knowledge of the latest green building technology and has team members who have achieved the Leadership in Energy and Environment Design (LEED) Building Design & Construction credential.



Quality

A perfect balance of aesthetic, functional and constructional considerations coupled with possible solutions in environmental, human and economic terms using standard management systems



PrimeTech places quality at the core of its business. It employs a collaborative and interdisciplinary approach, fostering creative interactions within participatory teams. These teams work closely with stakeholders to strike a harmonious balance between aesthetics, functionality, construction, and environmental, human, and economic considerations.

To achieve its goals, **Prime**Tech's includes all five essential providers of design and project management services in its in-house teams.

The company implements, monitors, and consistently improves its design processes, documenting them in its quality management system. These processes align with the ISO 9001:2015 standard to ensure the highest standard in the industry.


CERTIFICATE

dqs

Primetech Design and Engineering Nigeria Limited

ISO 9001 : 2015


IQNET

Building trust together.

Certificate

Primetech Design and Engineering Nigeria Limited

Quality Management System

Concept development, planning, design and engineering consultancy services for civil, building,infrastructure and industrial projects, including preparation of technical studies supporting projectimplementation

ISO 9001:2015

Registration Number: DE-40400325 QM15



Invested

Committed to project goals, staff and community development



PrimeTech prioritizes its staff, community, and project goals. Its strength lies in its motivated and highly skilled workforce, comprising both young graduates and experienced professionals, who possess extensive expertise in their respective fields.

The majority of **Prime**Tech's engineers and architects have attained membership of renowned Nigerian professional bodies, such as the Council for the Regulation of Engineering in Nigeria, the Nigeria Society of Engineers, the Architects Registration Council of Nigeria, and the Nigerian Institute of Architects.

PrimeTech benefits from access to abundant resources within Nigeria and this enhances the company's capability to provide comprehensive client services from start to finish.

COREN

Architects Registration Council of Nigeria


PRIMETECH
PRIMETECH
PRIMETECH
PRIM

Employee Driven

Quality delivery cycle beginning and thriving upon employee-related policies



PrimeTech values its employees and relies on their input. Its quality delivery process starts with employee-focused policies, which include competitive pay, a positive and conducive work environment, opportunities for career advancement, and a sense of respect, connection, trust and belonging.

PrimeTech promotes collaboration, creativity, and continuous learning, empowering its employees to innovate and excel in all projects. The company encourages pushing boundaries and exploring what is achievable.



Respect

A stimulation of respect and an appreciation of its role in productivity, collaboration, fairness and employee satisfaction, which extends to clients and partners

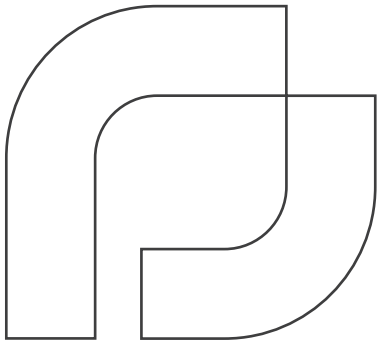


PrimeTech understands the mutual nature of respect and its manifestation of dignity amongst people, through unconditional regard for their personal qualities or character type. It appreciates how respect within the organisation transcends beyond it to the sphere of respect to clients and partners.

The company also understands the role of respect in productivity, collaboration, employee satisfaction and fairness, demonstrating it through the creation of a work environment where every group member is valuable to the task at hand, and professional achievements, talents and exceptional performances are highlighted and rewarded.


PRIMETECH

Business Segments



PrimeTech's success in delivering complex projects on time can be attributed to its harmonised and coordinated approach to design. Its departments utilise advanced applications such as BIM (Building Information Modelling) to streamline the design process.

The company adopts a one-stop shop philosophy, providing a holistic approach to engineering design. **Prime**Tech strategically segments its internal corporate business units, enabling efficient collaboration on different aspects of design and engineering services, both internally and externally. This strategy empowers **Prime**Tech to promptly deliver extensive and complex projects, establishing itself as a leader in Nigeria's construction industry value chain.

PrimeTech's in-house departments harmoniously working together to deliver top-notch services using BIM are:

- Structural Department
- Architecture Department
- Infrastructure Department
- Mechanical, Electrical and Piped Services Department
- Project Management Services

With seven (7) LEED Green Associates operating on our team and embedded across projects, the company is consolidating its place as the leading sustainable design engineering consultant in Nigeria.

Integrated 5D BIM

3D



GEOMETRY

3-Dimensional Geographical Structure

4D



TIME

Timeline, Scheduling & Duration

5D



MONEY

Cost Estimation, Budget Analysis

6D



SUSTAINA-BILITY

Self-Sustainable & Energy Efficient

Structural Engineering

PrimeTech's structural engineers research, design and plan structural components and systems to achieve design goals. Structural designs ensure the technical viability, integrity and safety of design criteria, as well as the durable performance of bearing elements and materials. Special emphasis is placed on conformity with quality processes at all review stages.

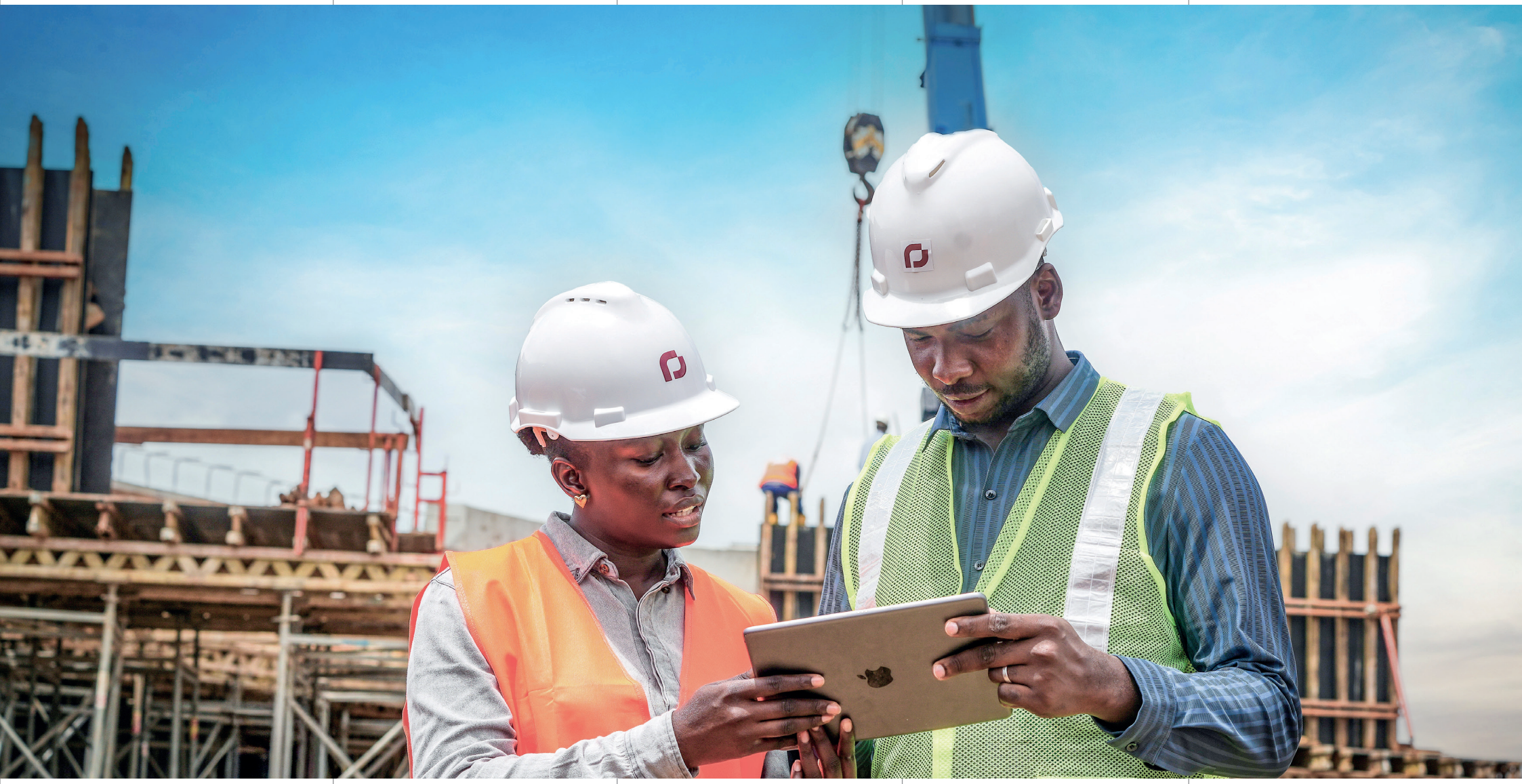
The department's balanced mix of seasoned and young engineers provides **Prime**Tech's clients with unique structural engineering designs and drawings.

The department achieves its set targets using the latest industry software for the design and detailing of structural elements. Designs are achieved using special finite element modelling software capable of analysing simple to complex structural systems. The department achieves its set targets using the latest industry software for the design and detailing of structural elements. Designs are achieved using special finite element modelling software capable of analysing simple to complex structural systems.

The department functions in harmony with others using Autodesk Revit Building Information Modelling (BIM) software for effective collaboration with other departments within the organisation and with external parties. This collaboration leads to coordinated designs, which ultimately results in increased efficiency, cost optimisations and effective planning at construction.

Scope of Services

- Engineering of reinforced and post-tensioned concrete structures
- High rise concrete structures
- Shallow foundation engineering for single pads, rafts and strip footings
- Deep foundation engineering for bored and driven piles
- Engineering of solid, ribbed and flat slabs, composite slabs and filigree floor slabs
- Engineering for civil works such as water treatment structures, sewage treatment structures, retaining walls, culverts, manholes and pipes
- Marine and quay structures, made-of-steel sheet piling, or king piles
- Industrial and farm steel structures
- Roof trusses
- Vehicular and pedestrian concrete bridges of varying spans and curvatures
- Building Information Modelling (BIM) of bridge structures and 3D reinforcement of elements



Architecture

PrimeTech's Architecture Department **turns** client ambition into spaces that perform on site, not only on paper. We work across offices, industry, education, housing, and hospitality – pairing clear design intent with the detailing and coordination needed for reliable delivery.

Our teams sit inside a full multidisciplinary practice. That proximity shortens decision loops: architects, engineers, and specialists test constructability, cost, and performance early, then carry a single coordinated model through tender and construction.

Digital delivery is standard. We design in BIM, clash-check interfaces, and use visualization so clients and contractors share one understanding of the scheme. Sustainability is a design parameter from day one – energy, materials, and certification routes included – not a late overlay.

From FEED packages for energy clients to civic prototypes for local builders, the brief is the same: purposeful form, technical honesty, and outcomes clients can occupy with confidence.

Scope of Services

- Concept through detailed design, tender packages, and construction-phase support
- Site feasibility, master planning, and options studies
- Value engineering and interface coordination with engineering disciplines
- BIM-led modelling and documentation (Autodesk AEC Collection and others)
- 3D visualization and immersive review for client and contractor alignment
- Sustainability and energy performance; LEED / EDGE support where required
- FEED and detailed engineering design for oil and gas facilities
- Bills of Quantities, procurement input, and construction planning support



Mechanical, Electrical and Piped Services

PrimeTech's Mechanical, Electrical and Pipe Services (MEP) Department delivers integrated engineering consultancy for building services across the project lifecycle.

We provide design, technical reviews, construction supervision, commissioning and project management for Mechanical, Electrical, Public Health and Fire Protection systems.

Leveraging BIM, advanced engineering software and international standards including ASHRAE, NFPA, CIBSE, BS EN, IEC, NBC and ISO, we deliver coordinated, sustainable and cost-effective solutions that optimise performance, enhance safety, improve operational efficiency and maximize long-term asset value.

Scope of Services

- Central & Decentralised Air Conditioning Systems
- Kitchen Ventilation & Exhaust Systems
- Smoke Management & Control Systems
- Lift, Elevator & Traffic Analysis
- Medium & Low Voltage Power Distribution
- Standby Power & UPS Systems
- Lighting, Controls & Electrical Systems
- Earthing & Lightning Protection Systems
- Renewable Energy Integration Solutions
- Building Automation & Control Systems
- Fire Detection & Alarm Interfaces
- Domestic Water Supply Systems
- Drainage, Sewerage & Stormwater Systems
- Water & Sewage Treatment Systems
- Medical Gas & Compressed Air Systems
- Fire Protection & Suppression Systems


AIR HANDLING UNIT

Infrastructural Engineering

PrimeTech's Infrastructure Engineering Department delivers innovative, sustainable, and cost-effective infrastructure solutions for projects across Nigeria. The department possesses extensive expertise in the planning, design, and execution of critical civil engineering infrastructure, including urban and regional developments, road networks, highways, utility services, drainage systems, and landscape solutions.

With a strong commitment to functionality, safety, and environmental stewardship, the department provides comprehensive engineering services from concept development through detailed design and implementation. Our multidisciplinary team of highly skilled professionals combines industry knowledge, technical excellence, and practical experience to develop infrastructure solutions that meet both current demands and future growth requirements.

Utilising advanced design software and modern engineering technologies, including Building Information Modelling (BIM), the team ensures precision, efficiency, and seamless coordination across project disciplines. Through close collaboration with other departments, PrimeTech consistently delivers integrated designs that are technically sound, economically viable, environmentally responsible, and aesthetically appealing.

Scope of Services

- Infrastructure & Master Planning: Sustainable urban and industrial growth strategies
- Transportation: High-performance roads, highways, and transport networks
- Traffic & Mobility: Smart solutions for efficient urban mobility
- Bridge Engineering: Robust geometric bridge and flyover design
- Water Supply: Efficient infrastructure for reliable clean water
- Stormwater Drainage: Resilient systems preventing flooding and erosion
- Sanitary Water Drainage: Safe wastewater collection and disposal systems
- Estate Development: Integrated infrastructure for diverse development zones
- Sustainable Design: Climate-smart, environmentally responsible engineering practices
- Project Coordination: Flexible designs adapting to changing requirements



Project Management Services

PrimeTech provides complementary technical support services to its department other departments from the tender phase of project development down to the execution stage.

This service demonstrates **Prime**Tech's holistic approach to client satisfaction through the delivery of well-thought-out and carefully planned design and engineering solutions that are powered by clinically engineered processes in project planning and management.

The team enhances PrimeTech's management processes for modelling the project time and cost phenomena for more consistent, effective and seamless project delivery through a highly structured, planned and tested process using 5D BIM Collaboration.

These sophisticated and highly trained specialists further expand **Prime**Tech's capacity and competence to explore new alternatives and gain the additional advantage required to create tremendous business opportunities.

Scope of Services

- Reviewing tender documents
- Preparation and presentation of tenders
- Risk and opportunity analysis for tender projects
- (Value Engineering) Optimization of special construction methods
- Preparation of construction time schedules
- Acquisition phase site visits and preparation of detailed site visit reports
- Project cost estimations
- General project cost analysis
- Project liquidity planning
- Site installation planning
- Construction site equipment and manpower planning with histograms
- Description of special construction methods (method statements)
- Project performance reporting
- Project cost controlling
- Project management consulting using Building Information Modelling (BIM 4D and 5D)


PRIMETECH
PRIMETECH

Project **Portfolio**



***Prime**Tech's business trajectory is pivoted on outstanding performances that stretched over a vast and prolific project portfolio of brilliant feats, all consistently reflecting its core values of excellence, responsibility, collaboration and courage.*



Commercial Building, Port Harcourt

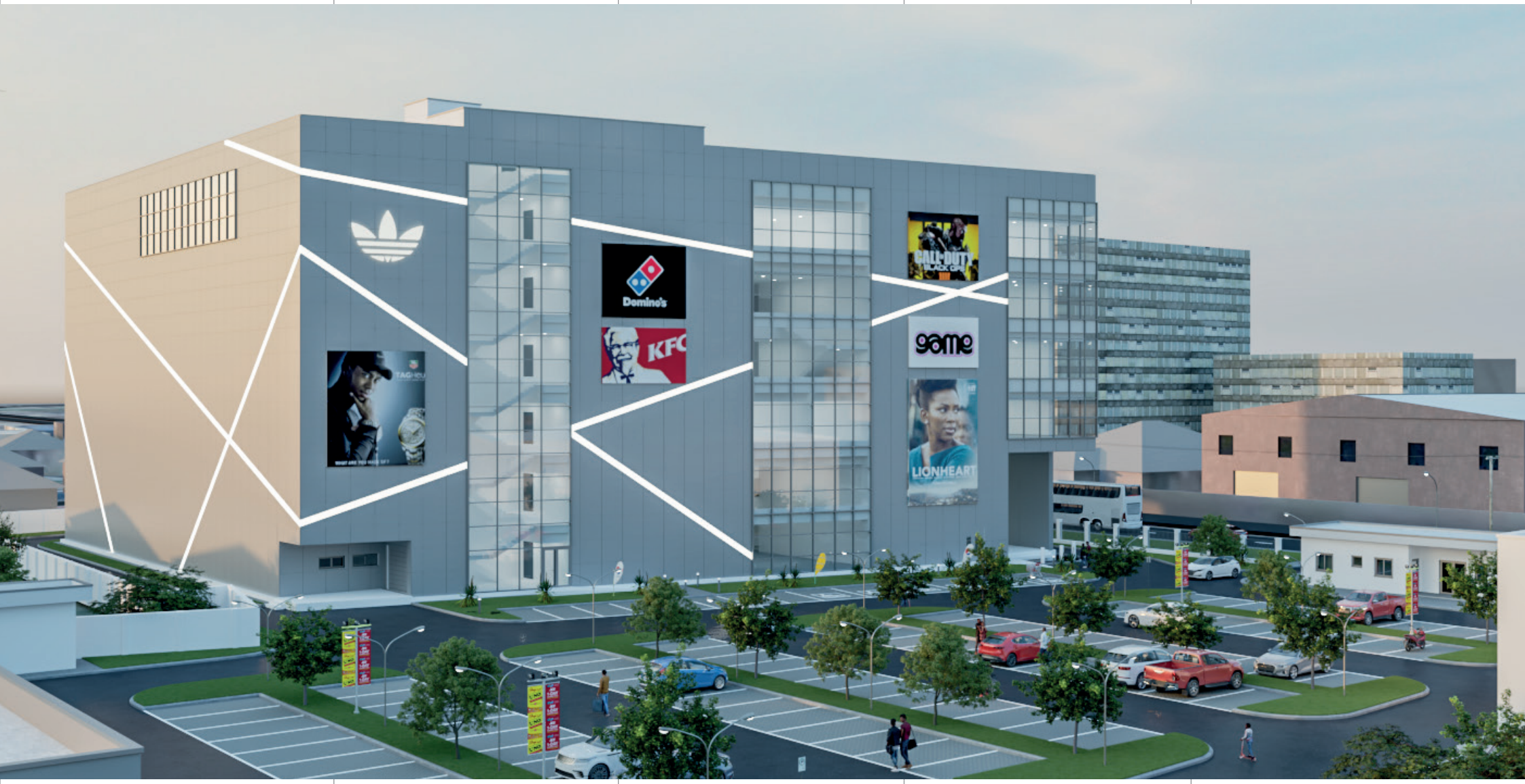




Project Description:

This events plaza is a versatile and modern venue designed by **Prime**Tech to accommodate a wide range of events. It comprises a main event hall, breakout rooms, exhibition spaces, and support facilities. The venue's flexible layout allows for scalability, catering to both large and intimate gatherings. Attendee comfort is prioritized, with convenient amenities and services provided.

The plaza aims to be a premier destination for events, contributing to the cultural and economic growth of the city. With its state-of-the-art facilities and focus on creating an inviting atmosphere, the Events Plaza is poised to host a diverse array of successful and memorable occasions.


Domino's
KFC
game
LIONHEART

Hotel Development, Maiduguri





Project Description:

This hotel project boasts 75 well-appointed guest rooms and suites, each equipped with modern amenities for a comfortable stay. With a diverse range of dining options, guests can indulge in various cuisines at the on-site restaurant. The hotel features multiple lounges where guests can relax and socialize, along with a stylish bar for entertainment. State-of-the-art meeting and event facilities are available for corporate gatherings and social occasions.

Additionally, the hotel offers wellness and recreational amenities, including a fitness center, spa, and swimming pool. The hotel is committed to providing an exceptional stay, ensuring guests have a memorable experience in the warm and captivating region of Maiduguri, Nigeria.



School Facility, Abuja





Project Description:

The Gymnasium and Pool Remodelling project at an International School in Abuja focuses on enhancing the existing pool facilities and expanding the recreational area to accommodate an international standard gymnasium. The design aimed to create a modern, safe, and versatile environment to accommodate a wide range of sporting and learning facilities.

Key elements of the design included specialized sports flooring, strategically positioned energy-efficient windows to maximise solar benefits and minimise direct sunlight, and the use of health-compatible interior paints. Safety measures incorporated soft mats and acoustic padding. Notable additions encompassed motorised curtains, basketball backboards, electronic scoreboards, climbing walls, movable bleachers, and an enhanced eastern roof terrace. Provisions for sports equipment, storage, and spectator amenities were thoughtfully included, ensuring an exceptional experience for students and staff in their pursuit of a dynamic and engaging learning environment.



Specialist Hospital, Port Harcourt





Project Description:

The main hospital has an estimated gross floor area of 3016 m² with a constant floor height of 3.64m. The main hospital building was designed, utilising flat slab and bored pile foundation.

Ancillary buildings like power house, water treatment facility, waste treatment facility, doctors quarters and radiotherapy bunker buried in the ground were all designed by **Prime**Tech's Structural Department.

The construction of this facility has improved the healthcare system of Rivers State and contributed to the advancement of the sector in Nigeria.


Dr. Peter Odili
Cancer
Cardiovascular
Diagnostics and
Treatment
Centre
20

Mixed-Use Building, Warri





Project Description:

This project entails the construction of a multi-purpose development. It features a hotel, office spaces, and residential apartments. The hotel offers comfortable accommodation, amenities, and exceptional hospitality services. Modern office spaces cater to various businesses, while residential apartments above provide convenient living options.

A terrace connects the hotel and office building on the upper floor, fostering interaction. The project aims to promote economic growth, attract tourists, and enhance the local real estate market. Sustainable design practices, community engagement, and social responsibility are prioritized. With this integrated development, the project seeks to create a dynamic space that meets the diverse needs of individuals, businesses, and travellers while contributing to the city's advancement.



Golf Clubhouse, Bonny





Project Description:

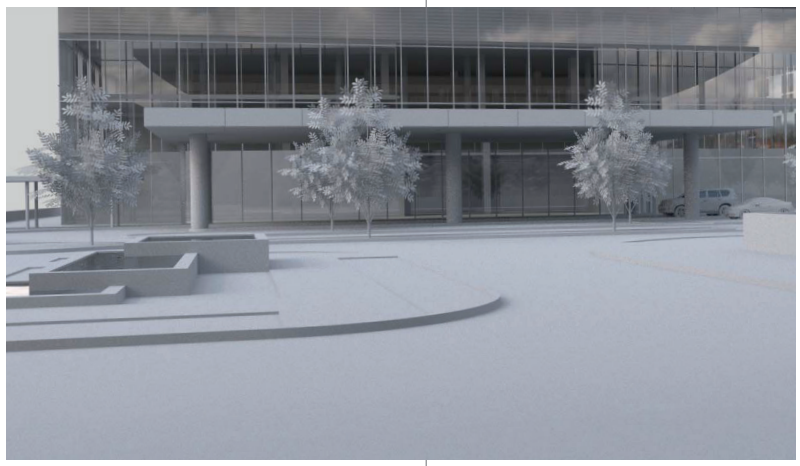
Designed as a single-floor structure, the proposed golf clubhouse places a strong emphasis on passive design strategies to enhance sustainability and energy efficiency. The structure is carefully oriented to optimize solar benefits and reduce direct sunlight penetration.

The incorporation of shading elements and vegetative cooling techniques further reduces solar heat gain. Additionally, the roof slope is optimized to accommodate solar panels for alternative power generation. The clubhouse includes various spaces: an indoor restaurant, gathering area, golf shop, and other supporting facilities. By providing a comfortable environment and minimizing energy consumption and environmental impact, the clubhouse strives to fulfil its purpose while embracing sustainable design principles.



Hospitality Project, Abeokuta





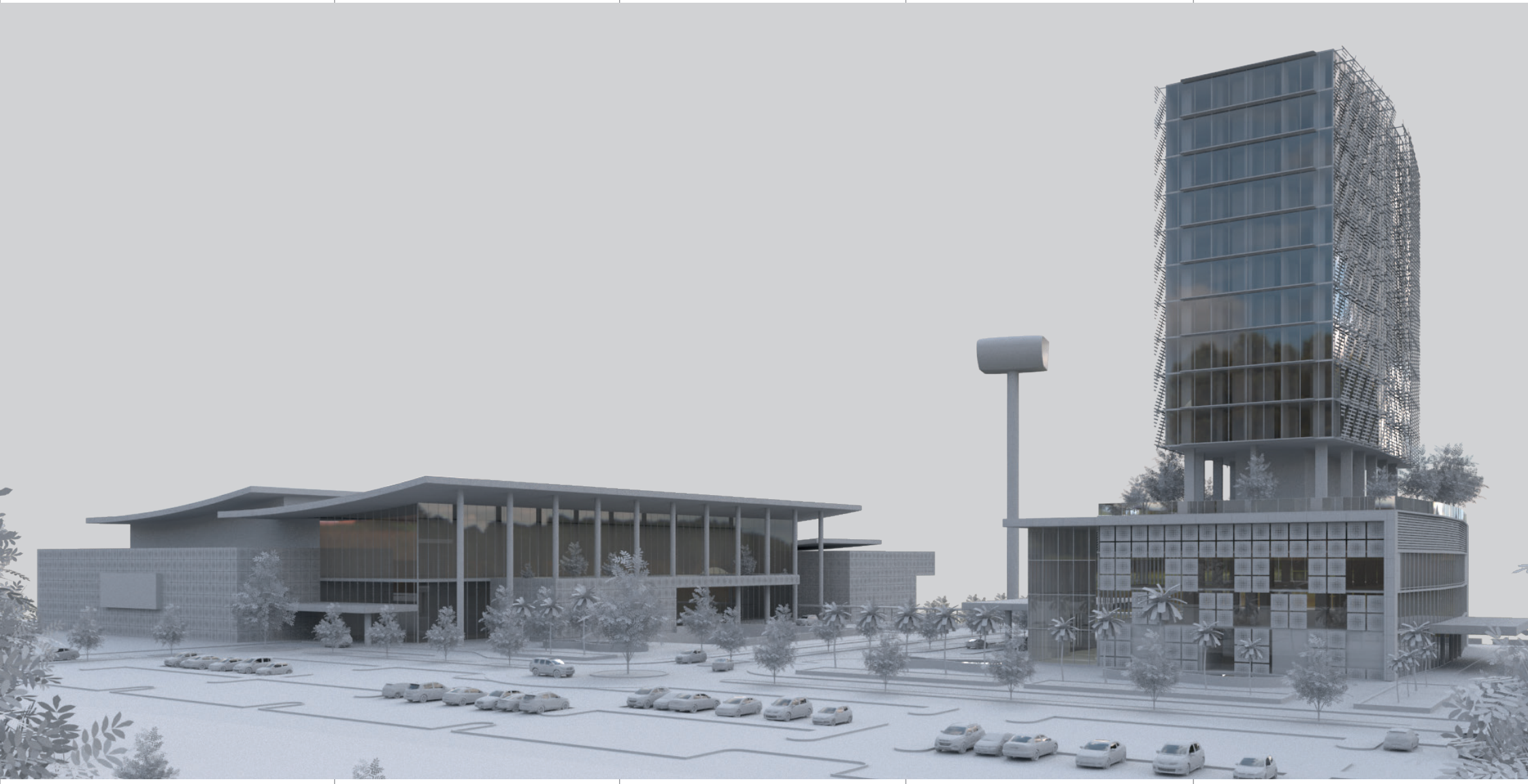
Project Description:

Designed into a natural landscape of trees, slopes, and a stream, this site will create a visible landmark and a prominent address, which should attract and activate its surrounding in the fringes of urban Abeokuta. The project consists of two major structures, an event centre and a high-rise hotel complex, both having a corresponding space in-between to allow for free view and flow of the landscape.

Conceived with sustainability in mind, a uniform envelop made of perforated aluminium panels and formal elements like the horizontal and swing roof structures follows the idea to harmonize the composition.

The site layout and landscape were planned to minimise the heat island effect - the two entrances opening to each other, and like a shop front, allowing views to inside and outside of the building with the ground between the 'agorae' becoming a part of this exciting atmosphere.

The high performance-building envelope and its orientation maximise daylighting to minimise energy consumption of HVAC systems. Along with high-performance lighting systems, the material selections were informed based on local and import materials with zero VOC materials.



Office Building I, Lagos





Project Description:

This office complex is a distinctive design composed of geometric forms. It aims to stand out in the heterogeneous neighborhood. The tower will feature seven floors and prioritize high-performance glazing for energy efficiency and natural light. Its unique architecture will complement the urban landscape and become a recognizable point of reference.

The interior spaces will be flexible to accommodate various uses, such as offices, retail, or residential units.

Sustainability is a key focus, with efficient waste management and renewable energy integration. The office complex seeks to be an architectural masterpiece, combining innovation, visual appeal, and environmental responsibility in Lagos' dynamic cityscape.



Office Building II, Lagos





Project Description:

This tower, proposed as an office building, offers flexible and efficient workspaces designed to prioritize the well-being of its occupants. With well-lit and ventilated areas, the building ensures a comfortable environment for users. Standing above 50 meters tall, it features a uniform facade that gives it a unique identity visible from the surrounding streets.

The extensive use of high-performance glazing not only enhances the aesthetic appeal but also contributes to energy efficiency. Additionally, the tower includes amenities such as a multi-story parking facility, offices, a canteen, and a penthouse. The project's focus is on creating adaptable workspaces and prioritizing the occupants' well-being. This makes it the ideal place for productivity and comfort.



Office Building III, Lagos





Project Description:

This is a stunning structure with 7 suspended floors, which contains offices, a parking garage in the basement, a restaurant and bar, work areas, and a multipurpose room - a distinctive landmark in the area. Its cubic structure is softened by textured façade accents and vibrant stripes. The ground floor and restaurant level façade features of the skyscraper are completely glazed, fostering an interaction between the inside and outside.

The structure is shielded from low-angle sunlight by high-performance glass and vertical shading components on the north, south, and west sides. The tower offers a dynamic environment that maximises land usage and improves the aesthetic attractiveness of Lagos state by fusing architectural beauty, usability, and sustainability.



Northwest Tower, Lagos





Project Description:

This is a private 9-floor office building that offers breathtaking 360-degree views of both Victoria Island (VI) and Eko Atlantic. The tower caters to a variety of essential services, including flexible and contemporary office spaces, a vibrant restaurant, a well-equipped gym, and more. With a focus on maximizing lettable space, the tower prioritizes generous office areas over circulation areas, ensuring ample usable space for businesses.

The building implements robust fire-fighting strategies, incorporating state-of-the-art fire suppression systems, well-planned fire exits, and stringent safety protocols to prioritize occupant safety and well-being.

To minimise its environmental impact, the tower integrates sustainable design elements, such as energy-efficient technologies and the potential inclusion of green spaces. Situated in a prime location, the tower offers unparalleled panoramic views, creating a stimulating and inspiring environment for professionals and businesses.



Barrel House, Abuja





Project Description:

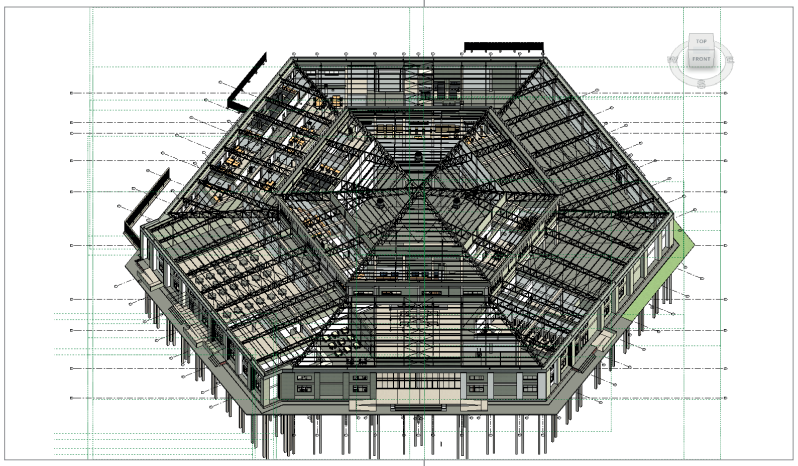
At the Barrel House project in Abuja, PrimeTech's Structural Department undertook the pivotal task of preparing the structural drawings for levels 3 to 10, of the building, collaborating with the design team at @Julius Berger International GmbH.

This project presented unique challenges, including the precise interpretation of complex architectural designs and seamless collaboration with project partners while integrating with existing structures. Our team's adaptability shone through with the successful implementation of a distinctive structural solution that facilitated horizontal action for floating beams and columns using highly competent transfer systems which deployed Lenton couplers to enhance the integrity of climbing formworks. This exemplified our commitment to successful partnership in the deployment of cutting edge solutions for clients' satisfaction.


HYUNDAI

Oloibiri Oil Museum and Research Centre, Bayelsa





Project Description:

Working with Julius Berger Nigeria Plc, **Prime**Tech is contributing to the development of the Oloibiri Oil Museum and Research Centre, a landmark project commemorating the birthplace of Nigeria's commercial oil industry.

Spanning approximately 460 hectares, the project encompasses architectural, structural, MEP and civil infrastructure design. Facilities include a museum complex, research centre, amphitheatre, staff and guest accommodation, water treatment plants, and supporting infrastructure. The development aims to preserve Nigeria's petroleum heritage while promoting research, indigenous technological innovation, cultural tourism and economic growth.

Through integrated multidisciplinary design, PrimeTech is helping create a lasting national landmark that connects Nigeria's oil history with future opportunities for learning, discovery and sustainable development.



Chancellery, Abuja





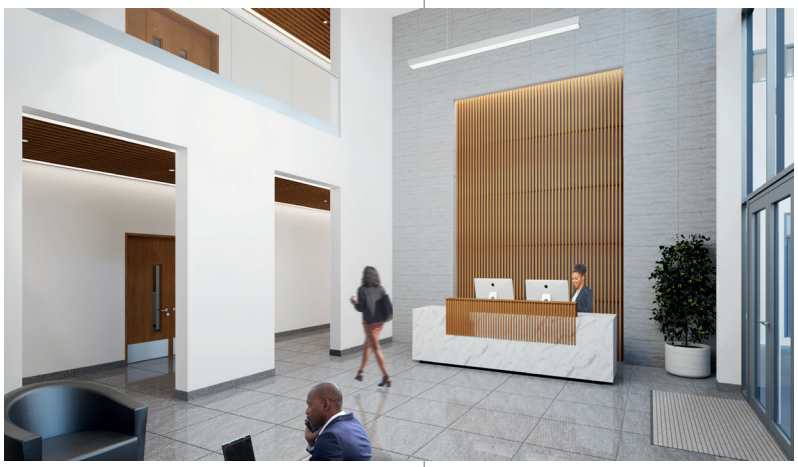
Project Description:

This chancellery building in Abuja is designed with a focus on security and public accessibility. It features bulletproof walls and windows for passive security, along with active security measures. The building's orientation maximises natural light in internal spaces. Existing elements like trees are preserved, and extensive planting, including an outdoor garden, is added to enhance staff comfort and maintain habitats, paying tribute to the host's gardening tradition.

The chancellery incorporates secure zones in the mid and rear areas, while public and semi-public spaces are situated towards the front. Overall, the building aims to provide a secure, well-lit, and eco-friendly environment that balances security needs with public accessibility and staff well-being.



Office Building, Port Harcourt





Project Description:

The project in Port Harcourt Government Area 6 involves the design of a dedicated building to house administrative facilities, including the office of the Deputy Governor. The primary objective was to provide a purpose-built space where government operations could be efficiently carried out.

The building would encompass various essential features such as office spaces, meeting rooms, reception areas, and other necessary amenities. Its strategic location would ensure convenient access for government officials and the public alike.

The aim of this endeavour was to centralize administrative functions, foster effective governance, and facilitate seamless communication and decision-making processes within Port Harcourt.



State Governor's Lodge, Abuja





Project Description:

The State Governor's Lodge in Abuja is a prestigious residential and official facility designed to provide secure, comfortable and functional accommodation for the Governor, family, aides and official guests during visits to the Federal Capital Territory.

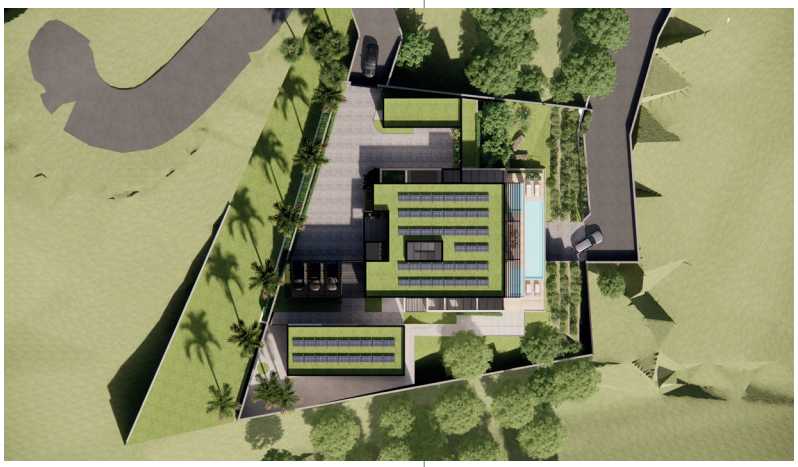
PrimeTech was commissioned to redesign the existing facility, introducing enhanced residential, hospitality, administrative and security functions while responding to the site's steep terrain. The proposed development includes a guest lodge, conference and banquet halls, private offices, family living spaces, luxury suites, gym, terraces, courtyards and dedicated parking for VIPs, guests and staff.

The design integrates architectural, engineering and site-planning solutions to optimise the 4,500m² plot while enhancing privacy, security, accessibility and the overall prestige of the facility.

Services: Concept Design, Approval/ Tender Design, Quantities Take-Off & BoQ, Detailed/Construction Design



Private Residence I, Abuja





Project Description:

This project involves the design of a residential house in the scenic area of Maitama, Abuja. Built on a sloping hillside, the main goal is to create a cosy and comfortable home for a family of six, while taking full advantage of the beautiful cityscape views. The contemporary design seamlessly blends with the natural surroundings and features large windows and open spaces to maximise the breath-taking vistas.

The property includes a pool and a guest chalet connected to the main building, providing additional accommodation for visitors. Ancillary facilities such as a gym, private cinema, and landscaped outdoor spaces are also incorporated. With two access points, the design prioritizes privacy and accessibility. Overall, this project offers a harmonious fusion of contemporary design, comfort, and breath-taking views.



Private Residence II, Abuja





Project Description:

This 7-bedroom residential development is a luxurious property designed for comfort and functionality. The main building, with two suspended floors, takes advantage of the site's slope, creating a partial basement floor. The bedrooms, adorned with locally sourced natural stone and ceramic tiles, offer privacy and spaciousness.

Notable features include a private sitting area, an office/study room, and a stone garden visible from the terraces on all the floors. Additional amenities such as a guest house, staff quarters, a gazebo/sit-out area, and a swimming pool with landscaped gardens enhance the living experience. This development seamlessly combines aesthetics with modern comforts, providing a serene environment for relaxation. This design offers a luxurious living experience in a well-designed and harmonious setting.



Industrial Facility, Calabar





Project Description:

The scope includes detailed design of a multi-modal facility in Calabar, Nigeria. The facility serves multiple business units of the company.

PrimeTech's team of architects developed the conceptual, preliminary, detailed and final design for the facility, and this constists of the training and administration complex, the welfare building, the energy centre, and associated facilities.

Also, **Prime**Tech's Structural Department designed all ancillary structures for the project including water treatment building, power house, diesel tanks and compressed gasses buildings.



Data Centre, Abuja





Project Description:

The public infrastructure is a technology building, data command, communication and control centre. It was built to serve as a hub for the management of important personal data and, in addition to the data command and control centre, consists of auditorium gallery, lifts as well as open-plan and closed-plan offices.

The building and its ancillary structures were fully designed by **Prime**Tech's Structural Department in record time. The department performed critical foundation analysis due to the steep sloped terrain on the site prior to construction.

Also, **Prime**Tech's Mechanical, Electrical, & Pipe Services team worked on the building's emergency generator, lighting, earthing and lightning protection, data and internet, multi-media, HVAC, fire detection and suppression, and sanitary services.


NIGERIA IMMIGRATION SERVICE

Marine Control Building, Bonny





Project Description:

This building by the seashore was conceived to track vessels coming into Bonny waters well in advance of their approach to the Island. The building houses a Vessel Tracking Monitoring System and its shell, windows and doors were completely conceived to be bullet proof.

PrimeTech's design teams successfully designed the building according to the client's specification, from value engineering to its detailed design.

The building's bullet resistance capability was designed according to the American Society of Civil Engineers (ASCE) guidelines.



Flyovers, Port Harcourt





Project Description:

These flyovers in Port Harcourt serve as an integral part of the general traffic system, reducing traffic congestion at several key locations in the city. The importance of these flyovers is to raise the standard of living of the people and boost the economic growth of the state.

Along with other works, **Prime**Tech designed and prepared construction drawings for 12 flyovers with concrete wall ramps. The flyovers comprise of both single and dual carriageways varying between 13 - 16 spans.

Supported on 22.5m long precast I-beams per span; All flyovers were designed to be supported by bored piles due to Port Harcourt's underlying soil conditions.



PTI, DSC & Enerhen Flyovers, Delta





Project Description:

The PTI, DSC and Enerhen Flyovers form a major road infrastructure improvement project designed to enhance traffic flow and connectivity across key junctions in Warri and its environs.

PrimeTech Design and Engineering Nigeria Limited provided structural design services for the three flyovers, comprising fifteen spans each for PTI and DSC, and ten spans for Enerhen. Each 22.5 m span comprises precast I-beams supporting an in-situ concrete deck, with a 17.80 m-wide carriageway.

The flyovers feature varying horizontal alignments, including curves of up to 200 m radius at Enerhen, requiring specialised structural solutions to accommodate complex geometry and movement. The designs incorporate elastomeric bearings, transition slabs, constructive bending hinges, Thorma joints and specialised pier heads to ensure effective load distribution and structural performance.


LINE
GYM

Osubi Road, Warri





Project Description:

The Warri–Osubi Road is a major transportation infrastructure project designed to improve mobility, connectivity and economic activity across the Warri metropolitan area. The 5.50 km corridor extends from PTI Junction to Osubi Township Road Junction, providing a modern dual carriageway with two lanes in each direction, hard shoulders and a landscaped median.

PrimeTech Design and Engineering Nigeria Limited provided integrated multidisciplinary engineering design services for the project, developing the construction-ready documentation required for implementation. The scope included road geometry and finish level design, stormwater drainage and structural design, and construction drawings.

The project also incorporates a comprehensive U-channel drainage system, underground electrical infrastructure and access connections to adjoining communities. Upon completion, the upgraded corridor will improve access to the Osubi Airport area, reduce travel delays, enhance road safety and support commercial and residential development along the route.


30

Road Project, Bodo-Bonny





Project Description:

This is the construction of a two-way traffic carriageway of 2 x 3.65 (7.30)m road pavement, 2.75m outer shoulders, with bridges across the Opobo Channel route.

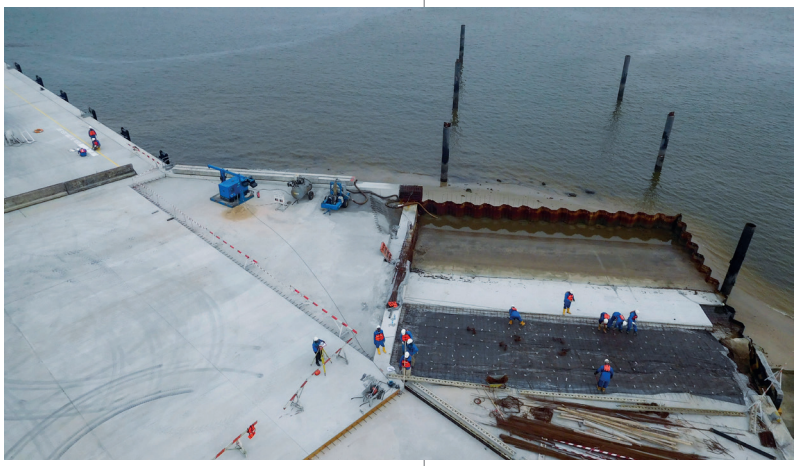
PrimeTech's Infrastructure Department designed the road from KM 0+000 to 4+100. It also designed the various dewatering solutions and support services for the various gas pipeline protection works.

Its Structural Department designed five 3-span mini concrete bridges on cased bored piles, and also designed oil and gas pipeline crossings with all health and safety protocols.



Marine Offloading Facility, Rivers



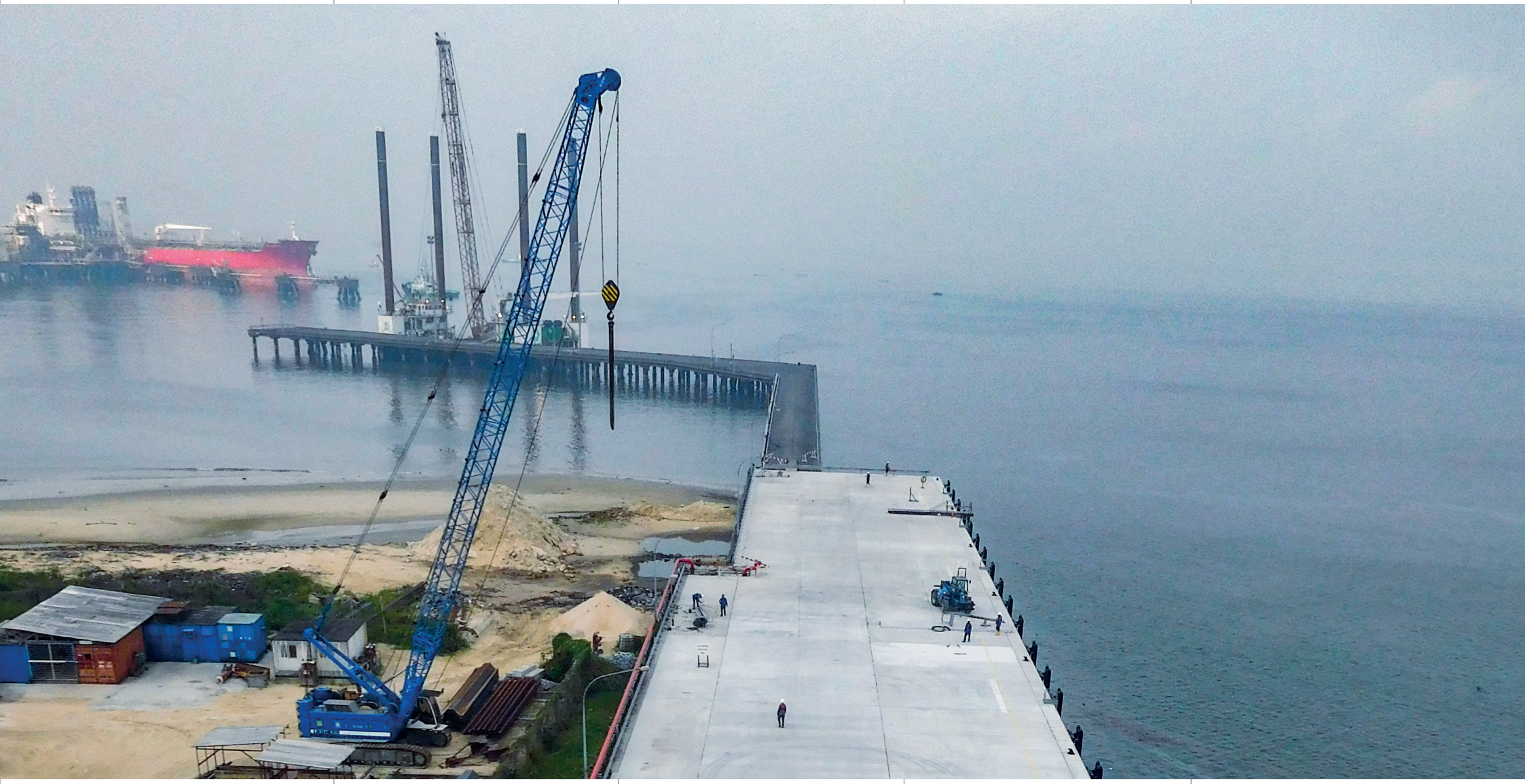


Project Description:

Originally built in 2003, this material offloading facility was constructed with a service life of 5 years, however, the client recently commissioned an upgrade of the Jetty to a 25-year design lifespan.

The project consists of four sections: the Aggregate Berth, the Ro-Ro Berth, the Bunker Fuel Berth, and the Northern Road Shoreline. The upgrade design services carried out by **Prime**Tech for the project include option selection and concept design. It also includes detail engineering as part of Engineering, Procurement, Construction and Commissioning (EPCC) to the contracting company.

The design was done using special finite element software, manufacturers' design guides and software as well as relevant codes.



Memberships & Certifications



PrimeTech is an active member of all relevant design and engineering professional bodies of high standing in Nigeria and has all the operating certificates to work in Nigeria and even beyond.

The company's Quality Management System conforms to the requirements set by the International Organisation for Standardisation (ISO 9001:2015).

*"At **Prime**Tech we continue to push the envelope of creativity, raising the bar, and making a bold statement that Nigerian design and engineering can perform at a global standard"*

PrimeTech Design and Engineering
Nigeria Ltd.
PrimeTech Architecture LLP

Head Office – Abuja
Plot 305 Idu Industrial Area 1B
Idu 900 102 | FCT Abuja
RC No. 973930

Phone: +234 803 906 7000

Branch Office – Lagos
Ground Floor, Extension Building,
Julius Berger Office Complex
No 15 Ijora Causeway
Opp Water Corporation
Ijora Olopa 101253 | Lagos

Contact Persons

Arc. Joseph Abba
Ext 5441 | GSM: +234 803 219 4461

Michael Ashofor
Ext 8915 | GSM: +234 806 796 2625

All rights reserved
© 2026 **Prime**Tech Design and Engineering Nigeria Ltd.
© 2026 **Prime**Tech Architecture LLP