

**Design
and Engineering**

Company Overview

Comprehensive Services

PrimeTech Design and Engineering Nigeria Ltd. (PrimeTech) provides reliable, innovative and efficient solutions for the construction of buildings, industries, civil structures, roads and infrastructure.

As part of the Julius Berger Group, PrimeTech's values reflect a high emphasis on the delivery of superior quality services to the full satisfaction of clients. The company is located in Abuja, Nigeria's capital city, and its workforce of architects, engineers, technical specialists and support staff provides a wide range of services to clients in both the private and public sectors.

PrimeTech's portfolio covers all design and engineering phases from research, to drafts and concepts, to detailed construction design, as well as master planning. The company conducts pre-feasibility studies, prepares tender documents and offers front-end engineering design (FEED), including rough investment cost estimates for small to medium sized projects. Furthermore, PrimeTech has in-depth knowhow regarding specialized requirements of the oil and gas sector and works in compliance with the Nigerian Oil and Gas Industry Content Development Act.

In addition to technical consultancy, PrimeTech has the capacity to prepare procurement documents, material specifications and approvals according to the required standards.

“PrimeTech’s vision is to be the design and engineering partner of choice in Nigeria by securing clients’ success through excellence and value.”

- 3 Company Overview
- 4 Corporate Culture
- 14 Services
- 24 Business Segments
- 30 Contact

Corporate Culture



Corporate Culture

An Eye for Precision

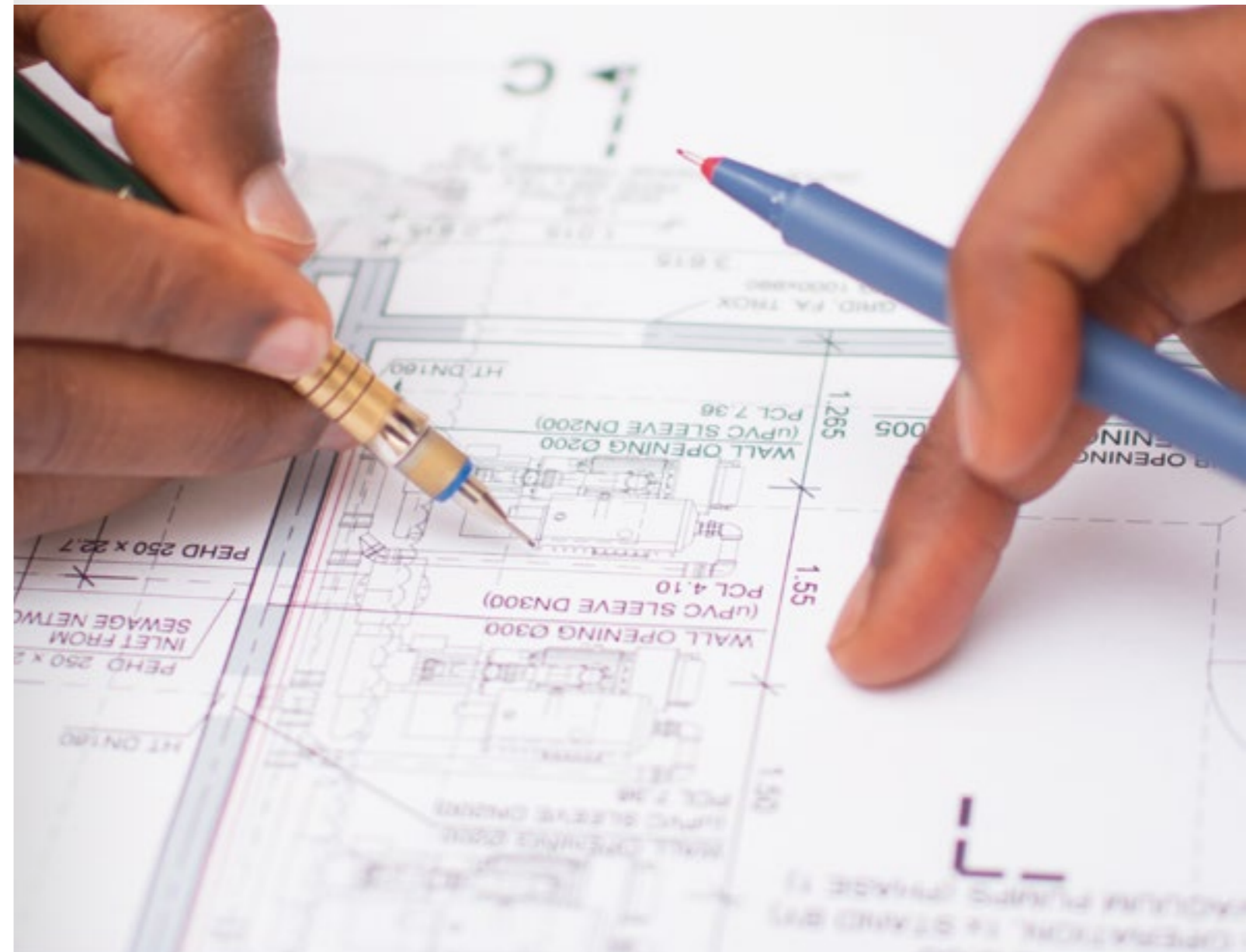
PrimeTech’s holistic approach to client servicing underlies the company’s delivery of well thought-out and meticulously planned design and engineering solutions.

The company’s multidisciplinary team applies extensive knowhow and precision in the execution of work for the development of comprehensive cost estimates, advanced and value-driven engineering and detailed architectural concepts, utilizing the most efficient methods and technologies. Emphasis is placed on ensuring solutions are reliable and economically sound in consideration of the requirements applicable in Nigeria.

Thorough work preparation and scheduling result in highly structured and planned processes. Risks in both design and construction are identified early on, to ensure the right control and management mechanisms are put in place for successful realization of projects, no matter the scope and requirements.

The company firmly believes that the delivery of consistent quality is the primary driver of value for clients. PrimeTech’s Quality Management System conforms to the requirements set by the International Organization for Standardization (ISO) as well as domestic standards. The system is not only implemented and maintained, but continually enhanced, based on measurable objectives, to ensure quality control and assessment procedures are rigorously applied and that superior quality standards are consistently met.

“PrimeTech stands for delivery of quality services within agreed timelines and estimated costs.”



Corporate Culture

Committed Partner



PrimeTech places the utmost value on professional and collaborative cooperation. The company prioritizes long-term business relationships built on trust and transparency.

As such, clients can rely on PrimeTech as a committed partner, fully dedicated to meeting needs and requirements. Focus is placed on setting mutually agreed and realistic goals that reflect the parameters set for any given project. Such targets are closely monitored throughout the life cycle of a project to ensure success. Attention to detail, leading by example, awareness and consideration of partners' needs are the foundation to our distinct collaborative approach. Across all disciplines, clear and open processes are emphasized by means of continuous engagement and communication with clients and partners.

Beyond its commitment to its clients and partners, PrimeTech is fully dedicated to the development of Nigeria. As a business whose corporate culture is predicated on responsible and sustainable operations, PrimeTech prioritizes the long-term environmental, economic and social viability of its services. The company is a leader in raising the standard for sustainable management practices in Nigeria and continues to spearhead the implementation of cutting-edge technologies and operational procedures.

“PrimeTech aims at proximity and availability, which is achieved by operating with its staff directly in the Nigerian market.”

Corporate Culture

Driver of Innovation

PrimeTech aims not only to creatively develop solutions that capture clients’ visions, but also to continuously upgrade its technical capacities and support facilities in order to expand its expertise and ability to deliver innovative design and engineering.

In addition to modern design elements, PrimeTech designs seek to secure cultural and regional identification.

To ensure that suitable advanced methods and techniques are applied in the delivery of engineering and design systems, the company’s highly qualified staff is kept abreast of the latest domestic and global market developments, across all disciplines. Furthermore, to continually increase technical aptitude, PrimeTech taps into its diverse international resources to gain special expert knowledge on developing trends and latest technologies. Such state-of-the-art knowhow is secured through technology transfer provided by international specialists and partners.

PrimeTech is a pioneer in the area of sustainable design and engineering in Nigeria. The company maintains robust knowledge regarding the latest green building technology, and has set a strong example of the possibility to deliver resource-efficient solutions that drive tangible value in regards to operation and maintenance of structures. Examples include the company’s head office, which is designed and built according to the “Leadership in Energy and Environmental Design” (LEED) requirements.



Corporate Culture

Invested in Nigeria



The foundation of PrimeTech’s strength is the company’s motivated and highly skilled staff, ranging from young graduates to experienced professionals, who have extensive knowledge in their field of expertise.

Furthermore, the company’s robust quality culture is supported by extensive training opportunities, offered to all staff, including specialized courses carried out domestically and internationally.

The majority of PrimeTech’s staff are academically accredited engineers and architects registered with their relevant Nigerian chambers, including the Council for the Regulation of Engineering in Nigeria (COREN), the Nigerian Society of Engineers (NSE), the Architects Registration Council of Nigeria (ARCON) and the Nigerian Institute of Architects (NIA). Across all disciplines, staff have a shared commitment to deliver a superior level of professionalism and precision in their work and apply creative and innovative solutions to challenges. PrimeTech’s employees take pride in achieving successful design and engineering in collaboration with clients.

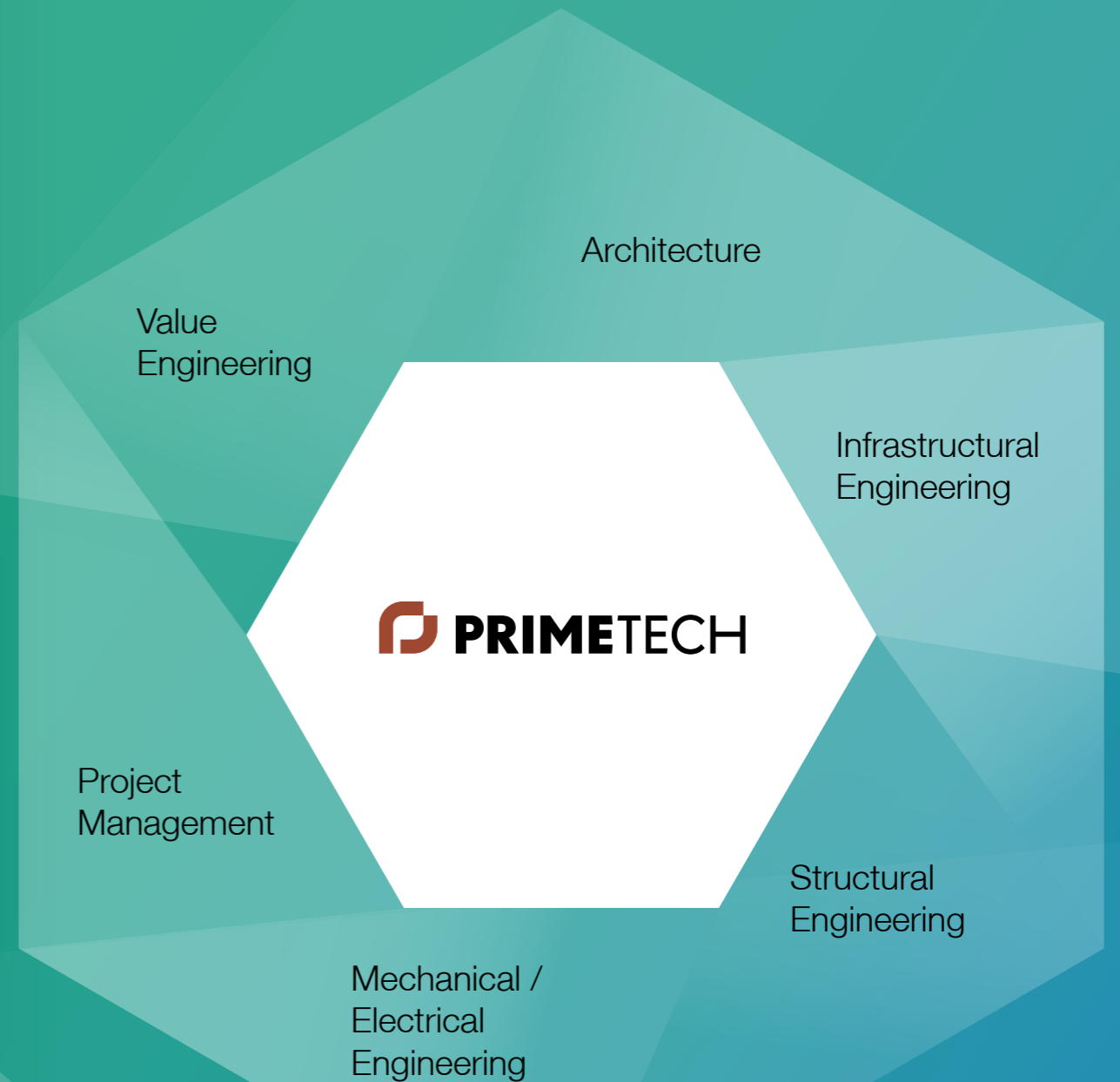
As part of the Julius Berger Group, PrimeTech has access to vast resources within Nigeria, which further supports the company’s ability to offer end-to-end client servicing. In addition, the company has strong networks within the international design and engineering industry, and as such, can source further resources internationally, when required.

Services



Our Range of Services

PrimeTech incorporates the entire spectrum of design and engineering services for the successful planning and coordination of projects.



Services

Architecture



Scope of services

- ✓ All design phases – starting from preparation of design brief
- ✓ Turnkey, urban and landscaping design
- ✓ Design of buildings and industrial facilities
- ✓ Extensions, modernization and renovations
- ✓ Preparation of material specifications and samplings
- ✓ Preparation of reports, drawings and details
- ✓ Provision of in-construction services

In order to turn visions into reality, PrimeTech's architects liaise closely with clients to ensure a thorough understanding of requirements and requests. In an interdisciplinary manner, the architects guide and consider contributions from the engineering disciplines and ensure that quality demands, cost constraints and time requirements are met in all design phases.

Services

Infrastructural Engineering



Scope of services

- ✓ Development of master plans of city districts or areas
- ✓ Development of plot arrangements
- ✓ Geometric engineering of roads, including access and trunk roads
- ✓ Junction engineering, including roundabouts and separated junctions
- ✓ Traffic engineering for estate developments
- ✓ Hydraulic engineering of storm water systems, including culverts, open channel, piped systems, etc.
- ✓ Engineering of water supply and waste water systems
- ✓ Coordination of underground utilities on plots
- ✓ Preparation of reports, including analyses, drawings and in-construction services

Utilizing the latest computer-aided software, specialized engineers contribute knowledge and expertise to ensure the durability of infrastructure projects of all sizes. From concept to implementation, PrimeTech's specialists aim to deliver durable and environmentally sustainable infrastructure solutions across the country, which respond to all types of engineering challenges.

Services

Structural Engineering



Scope of services

- ✓ Engineering of reinforced and pre-stressed concrete structures:
 - Shallow foundation engineering for single pads, raft and strip footings
 - Deep foundation engineering for bored and driven piles
 - Engineering of solid, ribbed and flat slabs, composite slabs and filigree slab floors
 - Engineering for civil works such as retaining walls, culverts, manholes or pipes
- ✓ Engineering of steel structures:
 - Marine quay structures made of steel sheet or king piles
 - Roof trusses
- ✓ Preparation of reports, including analyses, drawings and in-construction services

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.

Services

Mechanical / Electrical Engineering



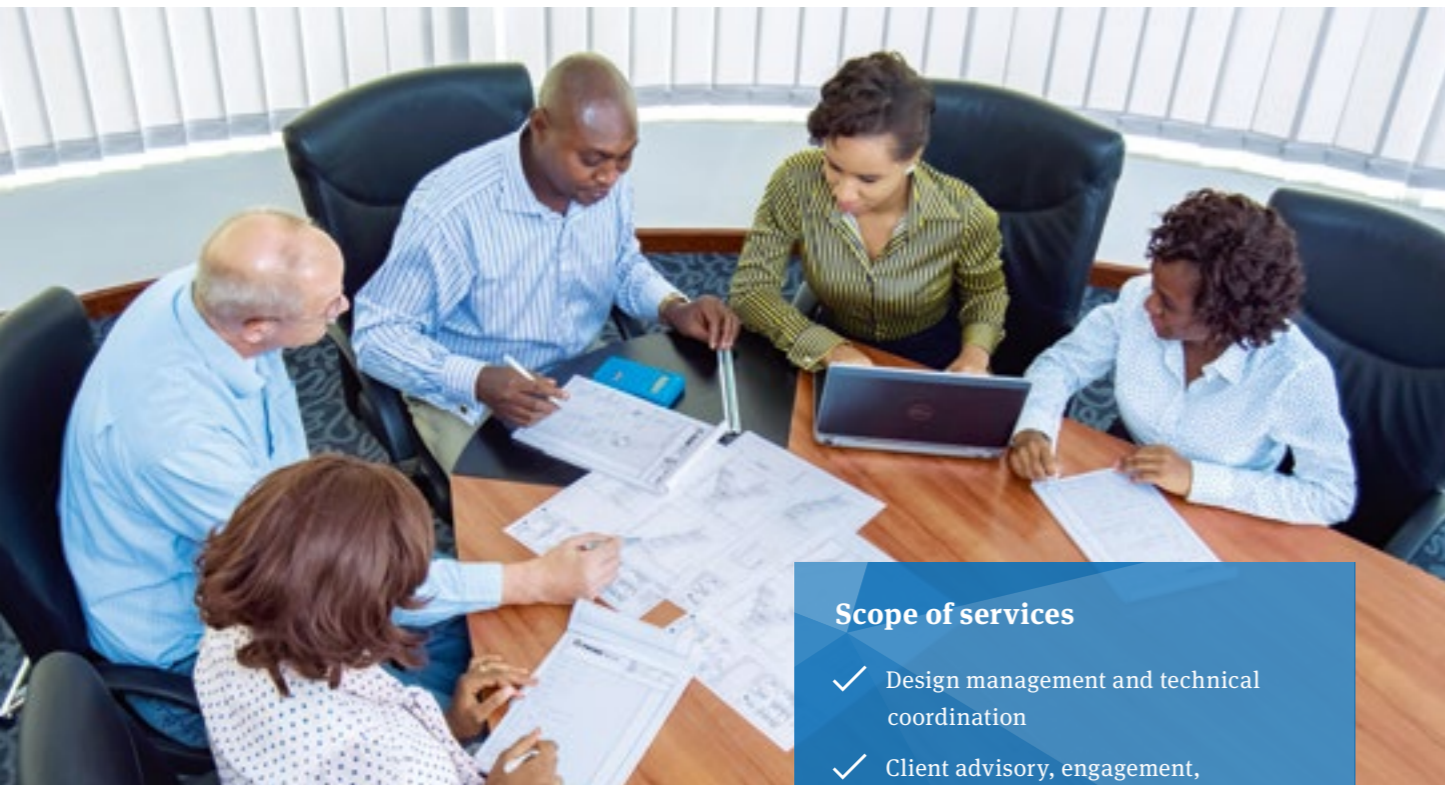
Scope of services

- ✓ Mechanical services:
 - HVAC engineering
 - Plumbing engineering, including sanitary objects
 - Fire-fighting systems
- ✓ Electrical services:
 - Engineering covering all voltage ranges
 - Engineering for multi-media equipment
 - Engineering for lighting systems of interior design
 - Engineering for lifts
- ✓ Engineering of professional kitchen equipment

PrimeTech's mechanical and electrical engineers work on complex interdisciplinary projects. Through detailed analysis of required components and in consideration of up-to-date technologies, staff delivers mechanical / electrical solutions that combine the latest equipment with highest aesthetical aspects, at all times considering required standards and regulations.

Services

Project Management



Scope of services

- ✓ Design management and technical coordination
- ✓ Client advisory, engagement, assistance and support
- ✓ Project appraisal, rough cost estimation for small to medium sized projects
- ✓ Preparation of tender documents, inclusive of specifications and bill of quantities
- ✓ Evaluation / assessment of tenderers and preparation of tender reports
- ✓ Evaluation / assessment of subcontractors
- ✓ Site supervision as client's representative

PrimeTech offers tailored and integrated project management, based on processes and systems aligned to its engineering and design services. Specialized personnel coordinate the technical disciplines in-house, manage designs and work closely with clients over the entire life cycle of a project, including in-construction, to support the selection, ongoing assessment and management of third parties.

Services

Value Engineering



Scope of services

- ✓ Improvement of designs towards optimized economic solutions
- ✓ Implementation of feasibility studies
- ✓ Evaluation of alternative solutions
- ✓ Review of design towards sustainability
- ✓ Building life cycle optimization (capital vs. operational and maintenance cost)
- ✓ Client advisory on required scope

PrimeTech provides value engineering to efficiently solve project challenges. Experienced staff apply extensive knowhow to contextualize and analyze engineering designs, and propose changes that identify and eliminate unwanted costs while maintaining or enhancing quality, value and functional performance, considering maintenance, management, life cycle design and performance.

Business Segments



Business Segments

Buildings



PrimeTech's engineers and architects develop sophisticated solutions for buildings of all sizes and purposes for both public and private clients. Project teams work closely with clients to ensure needs and ideas are integrated into designs, from concept to construction, in addition to aesthetics, feasibility and functionality, as well as the adherence to both national and international standards.

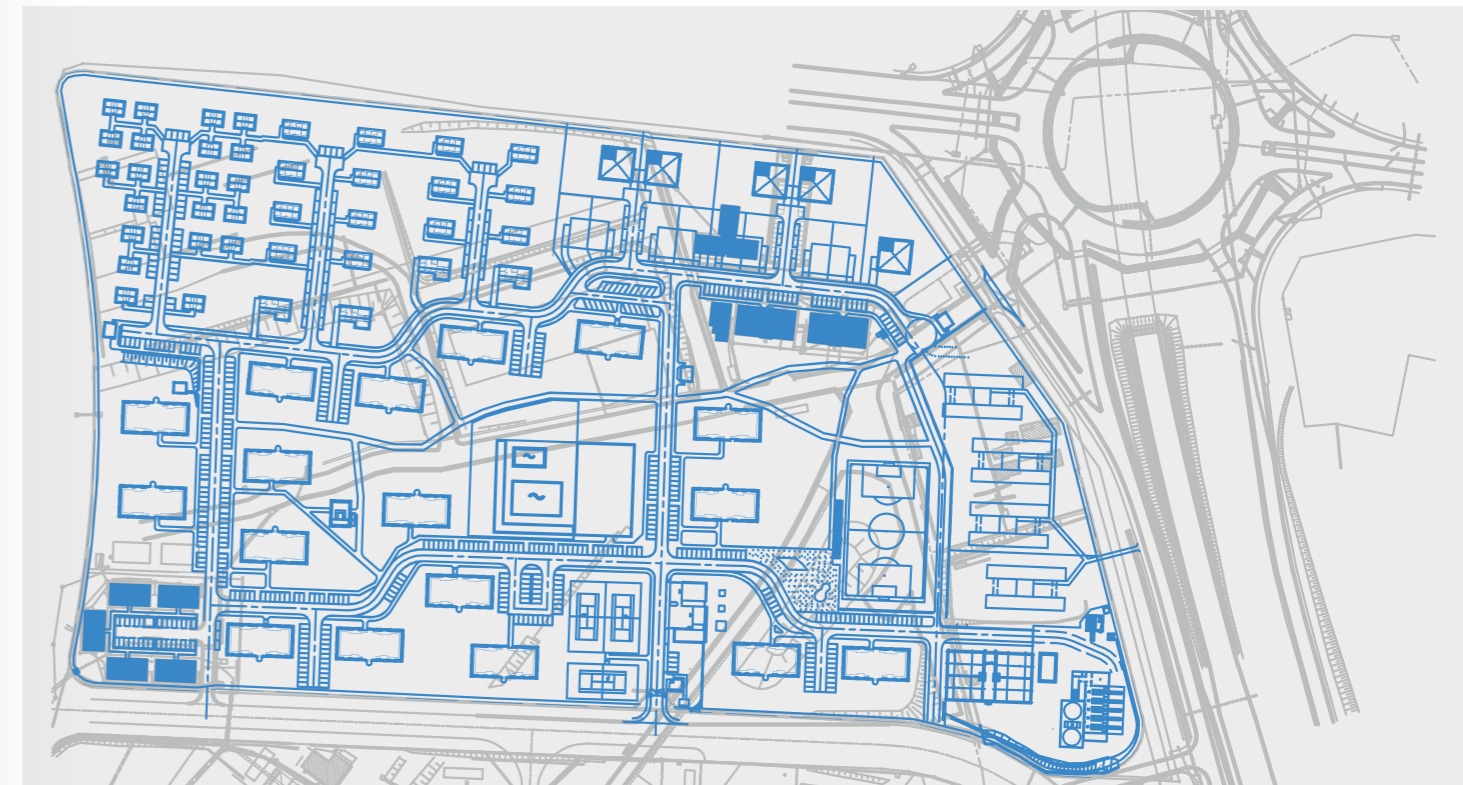
Capacities

- ✓ Office and administrative buildings
- ✓ Private residences
- ✓ Public buildings, e.g. schools, hospitals
- ✓ Multi-purpose buildings
- ✓ Malls
- ✓ Banquet or assembly halls

← Marine Control Building, Bonny Island

Business Segments

Infrastructure



PrimeTech provides planning for transportation systems such as roads and highways as well as districts and plots. The company's engineers and architects focus on developing holistic, environmentally friendly solutions, considering both quality and sustainability. Infrastructural designs thoroughly take into account all necessary services such as water supply, sewage treatment, water drainage and utility supply.

Capacities

- ✓ Road planning inclusive of intersections
- ✓ Master planning of cities, districts and plots
- ✓ Infrastructural planning of cities, districts and plots
- ✓ Environmental planning
- ✓ Regional development and land use planning
- ✓ Airfields and airports

↑ Residential Compound, FCT Abuja

Business Segments

Industries



PrimeTech has experience with both national and international clients operating in the oil and gas as well as consumer goods industries. In conjunction with clients, PrimeTech's engineers and architects develop solutions which consider specialized industrial machinery and equipment, as well as health, safety, environmental and quality requirements.

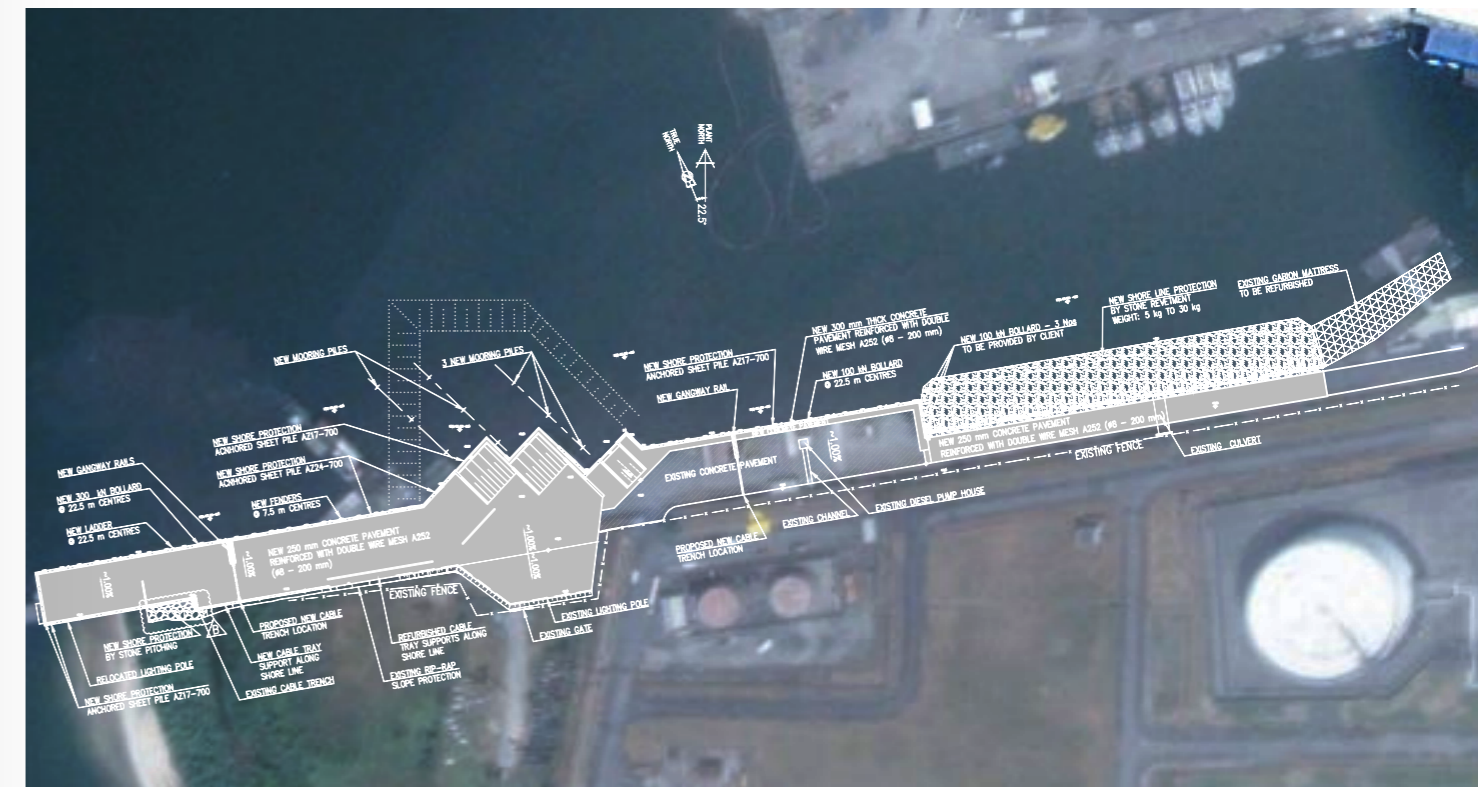
Capacities

- ✓ Industrial facilities
- ✓ Plant facilities
- ✓ Workshops
- ✓ Light factories
- ✓ Loading facilities
- ✓ Storage facilities

↑ Industrial Facilities, Calabar Free Trade Zone

Business Segments

Civil Structures



PrimeTech's skilled staff deliver designs for complex civil structures with special attention to clients' initial capital expenditure and later operational budget for the project. In addition to new projects, the company's engineers also evaluate damaged structures and develop expertise statements with recommendations concerning the rehabilitation or strengthening of such.

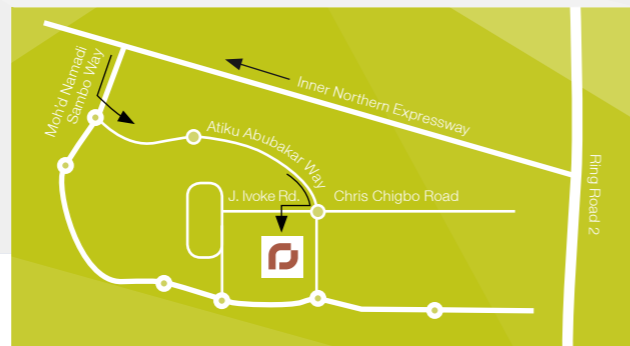
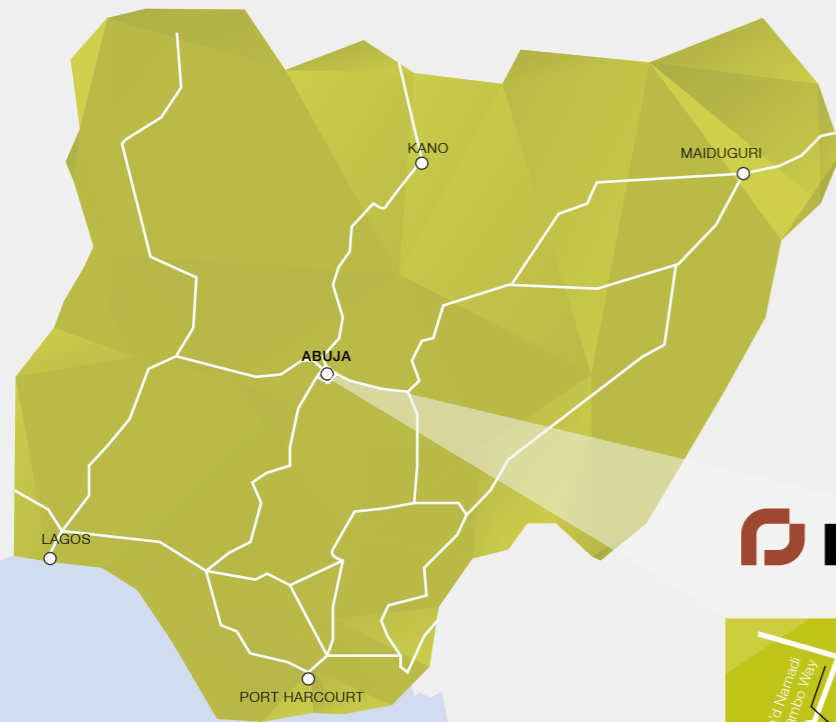
Capacities

- ✓ Bridges, flyovers and underpasses
- ✓ Port facilities, e.g. jetty structures, ro-ro-ramps
- ✓ Airports
- ✓ Retaining walls
- ✓ Specialist underground structures
- ✓ Temporary structures or provisional arrangements

↑ Material Offloading Facilities (MOF) Jetty 2, Bonny Island

Contact

Your Future Partner



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