

# Highway Engineering

## CORPORATE PROFILE

**Phoenix Associates** was founded on 22<sup>nd</sup> September, 2003 and registered with the Corporate Affairs Commission of Nigeria on 27<sup>th</sup> July, 2005 with the key objective to providing engineering solutions using cutting edge know-how and technologies.

It is a leading Nigerian engineering firm involved in engineering studies, analysis, designs and management of projects. The areas of specialty are Institutional/Residential Buildings, Steel/Concrete structures, Waste to Wealth Projects, Environmental Management, Traffic Studies, Highways, Railways, Urban/Regional Development, Geotechnical services (investigation, testing and reporting), Canalization, Jetties, Water Supply, Irrigation and Erosion Control/Management.

Our sister company (Silan Smarthouse Limited) is involved in prefabricated light steel smart and affordable real estate development for public and private bodies.

**Phoenix Associates** is **COREN** registered, managed by highly skilled, experienced and dedicated professionals registered with sundry professional bodies like Council for the Regulation of Engineering in Nigeria (COREN), Architects Registration Council of Nigeria (ARCON), Surveyors Council of Nigeria (SURCON), etc

**Phoenix Associates** in 2007 veered into software installation, training and technical support to bridge the gap in engineering software application in Nigeria.

**Phoenix Associates'** partnership with **Graitec** emphasizes training, service and support to meet our clients' needs in an efficient and cost-effective manner.



# Highway Engineering

Phoenix Associates' credentials combined with multifaceted skills translate into provision of services covering whole spectrum of highway design, structural engineering and management. Our understanding of highway engineering is unparalleled encapsulating all dimensions from planning to design and construction. We employ a multidisciplinary approach to projects, providing comprehensive highway engineering, material & pavement engineering and geotechnical engineering solutions. We are driven by a commitment to excellence and providing the best of services to our clientele.

## SOME PROJECTS

### Sectors:

#### HIGHWAY PLANNING AND DESIGN

- Route Planning
- Techno-Economic Feasibility Study
- Traffic Studies
- Preliminary Engineering Design

#### DETAILED ENGINEERING

- Highway Design
- Bridges & Structures engineering
- Pavement Engineering
- Material Engineering
- Geo-Technical Engineering
- Expressway Design
- Landscape Design
- Toll Plaza Design.

### Services

- Engineering Surveys and Investigations
- Techno-Economic Feasibility Studies Value Engineering.
- Value Engineering
- Detailed Bridge Engineering/Design
- Pre-bid Engineering
- Road Safety Audit
- Owner's Engineering Services

