1. WE ARE CREATIVE (slider a): **WE PROVIDE END-TO-END VDC CONSULTANCY, ADVISORY AND TRAINING** FROM BIM MODELLING **TO BIM IMPLEMENTATION**

WE ARE CREATIVE (slider b): **WE FOCUS ON DESIGN INNOVATION AND PROCESS AUTOMATION BY LEVERAGING BIM AND CAD CAPABILITIES.**

WE ARE CREATIVE (slider c): **WE PROVIDE ARCHITECTURE, ENGINEERING AND CONSTRUCTION SOLUTIONS**

1. BIM Design and Development: **Our services are the choice of leaders in the AECO industry**
2. Background images in the slider section: **Use Image 1, 2, 3**
3. Purple Background: **Try grey or sky blue and apply which best fits**
4. Include (2) more
   1. **BIM for Facilities Management: Leverage the power of BIM to increase efficiency and effectively coordinate operations and maintenance management of your facilities**
   2. **VR and AR with BIM: Leverage Virtual Reality solutions for immersive 3D designs & construction and explore the potential of as-built BIM 3D models with augmented reality**
5. We Are Leader in The Construction World**: We Are Leaders in Complex BIM Management and Delivery**
6. Under \*Technology\*change the text to this: **We combine our experience as construction and engineering professionals with a passion for technology to improve the way construction and engineering projects are designed, built and operated**
7. Under \*Quality\*change the text to this: **DesignGate works leaders in the architecture, real estate, engineering and construction industries.**
8. Under \*Staff\* change the text to this: **We have highly driven, smart and passionate architects, engineers, cost managers, projects managers and portfolio managers to help transform your brief into reality**
9. **Change Welcome Onboard to : Digitizing the Built Environment**
10. Testimonials: I will get this to you before weekends
11. Blog- Here a link to copy some of our articles**: https://www.linkedin.com/in/design-gate-696931166/detail/recent-activity/posts/**
12. About Us: We are an architecture engineering and construction solutions company focused on digitizing the built environment
13. Change quick link to: Services; Under services List all the 6 services in \*section 5\*
14. Change quick link to: Company: Under company list: Projects, About, Contact Us and Resources
15. Change quick link to: Events: Under Events list: Trainings, Conferences, Seminars, Meetups Boot Camps.

**Our Services (** You can visit this link[https://www.bimservices.com/bim-disciplines.php](https://www.hitechbimservices.com/bim-disciplines.php) just in case you need to view their layout but use the content as provided in this document)

1. We specialize in delivering real value to architects, engineers, contractors and clients by integrating building design plans with BIM and schedule a seamless project delivery process during design and construction. As an independent leading outsourcing provider our strategic BIM consulting services focuses on helping design companies integrate their design values with construction firms for higher level of coordination and collaboration. Our BIM consultants help implementing BIM across organizations to gain better ROIs and achieve efficient overall project outcomes by delivering BIM-ready models compatible with AR/VR technology.

List of Services

* 1. **BIM Implementation**

**Implementing BIM in Construction**

We deliver BIM project implementation plan to empower construction company professionals gain an edge over building designs and construction management processes.

We enable elimination of material waste, clashes and cost overruns by creating a coordinated BIM model for the project for contractors and construction firms to take informed decisions and visualize designs in 3D. Our BIM implementation takes construction firms from design to well-managed construction stages with appropriate scheduling, cost plans and sustainable designs. We empower construction and design engineering companies to collaborate with AR and VR firms to help clients visualize designs before they are built using AR/VR headsets and wearables.

Glance at our BIM project implementation plan:

BIM adoption for every discipline of construction project

Constant guidelines for adhering to BIM protocols and standards

Achieving minimal waste of construction material and human resources

Gain benefits of lean construction and modular construction with BIM

Train engineers and architects to adopt BIM skills for 4D, 5D and 6D BIM

Eliminate hard and soft clashes as well as workflow clashes

BIM consulting for costing, quantity takeoffs and preparing BOMs list

Assess current capabilities and implement BIM adoption strategies

By partnering with us means ensured BIM modelling solutions and insights for taking construction projects including educational buildings, hotels & resorts, retail shopping malls, parks & skyscrapers, airports, railways, bridges, dams, tunnels and much more.

Advantages of outsourcing BIM implementation to us:

* Adherence to NBS, IFC and COBie standards and design formats
* BIM process shaping, adoption and monitoring for construction projects
* Scalable technology infrastructures with authenticated licensing of software

Contact us for more information on our BIM implementation services.

* 1. **3D BIM Modelling**

**3D BIM Service Specialization**

We hold expertise in delivering BIM services for mixed-use buildings, shopping malls, theme parks, hospitals, airports, railways, residential townships, industrial plants and much more. Our highly experts BIM teams of architects, structural, civil and MEP engineers deliver efficient 3D plans and layouts along with as-built 3D model.

Our experienced BIM consultants and managers leverage Autodesk Revit to deliver virtual design and construction (VDC) solutions and 3D BIM coordinated models. We help contractors, architects, consultants, engineers and manufacturers by providing clash-free 3D BIM models according to IFC and COBie standards for design visualization and taking informed decisions.

3D BIM modeling services offerings:

Convert 2D AutoCAD drafts to 3D BIM models in Revit/BDS

3D graphical representation of building and construction plans

Design coordination in Common Data Environment (CDE)

3D BIM coordinated models as per LOD 100 to LOD 500 AIA standards

Fabrication & installation drawings of MEP & HVAC elements

Develop 4D BIM models for construction timeline from 3D BIM models

Our BIM consultants’ partner with your engineering and construction companies across the USA, UK, Australia, Canada, Europe and the Middle East to eliminate interferences in designs by collaboration of all disciplines and preparing BIM-ready 3D models.

Benefits of 3D BIM modeling services:

* Design data management with 3D BIM objects
* Quick clash detection and resolutions
* Seamless construction planning
* Ease in transition from 3D models to 4D BIM
* Enabled offsite construction
* Minimized on-site risks
* Coordination with sheet metal contractors and fabricators
* Coordination with building product manufacturers
* Smooth workflows of general contractors and sub-contractors

Contact us to get more information on 3D BIM modeling services.

* 1. **BIM Content Creation**

**Revit Family Creation Experts**

We deliver BIM content creation services to engineers, architects and building product manufacturers to align their needs with building contractors in developing efficient as-built 3d models. Our Revit modelers develop BIM content and convert models from CAD to BIM for retail and commercial furniture manufactures as well as shop fitting equipment for product data templates (PDT).

Our teams of architects, MEP and structural engineers and drafters develop BIM objects for architectural ornamental products, louvers, grills, metal stairs, rails, etc., structural building products including columns, studs, foundation, pillars, roofs etc. and various plumbing fittings, electrical wires, trays and cables. Our 3D BIM modeling and consulting services are dedicated to address the needs of Virtual Reality (VR) and Augment Reality (AR) firms to achieve BIM implementation on a full scale.

Service offerings for BIM content creation:

* Standard BIM objects of building products for direct downloads
* Revit Families creation as per NBS and other open BIM standards
* Cleanup manufacturing drawings and models to BIM-ready content
* Developing BIM models as pore LOD standards
* Translating SolidWorks models in BIM content
* Converting 2D drawings to 3D BIM content and libraries

At DesignGate we deliver geometrical attributes for accuracy in spatial arrangement and floor space occupancy for efficiency in design planning.

Talk to us today and we will create BIM libraries for designers and manufacturers alignment.

* 1. **BIM for Pre-Fabrication & Fabrication**

**Fabrication Level BIM Experience**

Our technical teams of engineers, architects and drafters deliver BIM modeling services for prefabricating building products and elements to enable offsite construction and reduce safety risk. With BIM modeling, we enable auto generated fabrication shop drawings for prefabricated building products as well as designs for precast and prefab components to save time and costs.

Our BIM teams work towards the alignment of fabricators and site engineers needs by channeling every stage from design to fabrication for various verticals such as residential, commercial and industrial construction as well as infrastructure development projects. We leverage VDC to deliver 2D production drawings and 3D models along with 3D BIM modeling services of building components to enhance BIM implementation across the construction company.

Our service offerings enlisted under BIM for prefabrication and fabrication:

* Convert SolidWorks CAD models to Autodesk Revit BIM models
* Developing BIM models for fabricated building products
* Assisting MEP engineers to develop BIM-friendly models for pumps, compressors, etc.
* Easing coordination by duct drawings and piping layout developed in BIM-ready CDE environment
* Generate installation drawings and assembly drawings
* Efficient spatial arrangement decisions making with BIM-ready as-built models

We partner with sheet metal contractors, furniture manufacturers and building product manufacturers to help them develop BIM 3D models of their fabricated products and put up online for standardization using IFC open format models. Our BIM experts help you integrate original designs with CNC machines for fabrication and BIM needs for construction management through consultation and assistance during entire project tenures.

Contact us today to enhance your collaboration with your contractors and expand your business.

* 1. **Structural 3D Modelling**

**Experience with Tekla & Revit**

Our structural 3D modeling outsourced services include everything from developing structural drawings to detailed 3D models in CAD and BIM for better visualization and coordination with architects, MEP engineers and steel fabricators on a large scale and low prices. Our Revit drafters and CAD detailers partner with engineering design firms to work closely with structural design engineers and facilitate accurate 2D & 3D drawings and structural 3D models for seamless design communication and BIM implementation needs.

We are a building design support company from India, endeavoring to reduce the manufacturing and construction development time by delivering comprehensive structural design models which can be visualized holistically with AR/VR technology. We deliver 3D structural models of structural elements such as foundation, beams, columns, roofs and complete as-built models of industrial, residential and commercial buildings, skyscrapers, bridges, dams, roads, highways and much more.

Our specialization in structural 3D modeling services:

* 3D modeling of structural steel and wooden frames
* RCC modeling of villas, hotels, resorts etc.
* Precast and Prefabrication modeling in BIM
* Parametric BIM modeling
* Walls, stairs, lintel modeling
* FEA Design analysis and validation using ANSYS
  1. **MEP 3D Modelling and Coordination Services**

**MEP Drafting & Modeling**

Our MEP modeling services includes creation of 3D rendered MEP layout and Revit family creation for MEPF as well as plant room equipment along with 2D MEP coordination drawings.

We use Autodesk Revit MEP to develop clash free 3D models by integrating structural and architectural designs with MEP layout to create one single model for the building designs for delivering MEP coordination services outsourced to us. Being a BIM consultant, we also deliver quick clash resolutions services using Navisworks for coherent design development and avoiding reworks during construction phase. We also deliver 2D MEP coordination drawings for MEP components, HVAC equipment, duct systems and plat room layout for efficient energy consumption.

From converting MEP drafts into 3D models in AutoCAD, we also deliver sustainable MEP layouts for least energy consumption and effective synchronization of building elements and structural components. We create comprehensive 3D models of MEP layouts, pipework, HVAC planning and installation, risers, carriers and many more along with as-built BIM models to use Augmented Reality and Virtual Reality technology for design visualization and approvals.

What we offer under MEP 3D modeling services:

* 2D Detailed engineering drawings for MEP components
* Fabrication, assembly and installation drawings in AutoCAD Civil
* Revit models and BIM objects for pumps, boilers, compressors etc.
* Plumbing, drainage, electrical fixtures and mechanical equipment drawings
* Support for prefabrication and site installation of MEP components
* Construction stage sequencing
* Cost estimation and quantity takeoffs
* Tender and Bidding documentation assistance with BIM

Our engineers with CAD experts have delivered MEP models to industries that include educational campuses, hotels, hospital buildings, resorts, airport terminal buildings, railway stations and much more. Having gained a long-standing experience in solving engineering design bottlenecks early with 3D modeling capabilities we devise coherent construction stages resulting in profitable outcomes for construction firms and contractors.

* 1. **CAD to BIM Conversion**

**Migrating from CAD to BIM Modeling**

Our BIM experts understand CAD models, 2D drafts, plans, layout and blueprints and convert it to 3D BIM models to avail the designs in a Common Data Environment (CDE). We address the needs of building contractors, architectural consultants, MEP contractors, engineering firms and sheet metal contractors to associate with each other on a BIM platform and have a smooth transition and collaboration of designs.

From furniture products to ornamental architectural products, from MEPF to HVAC equipment and from structural components to plant room mechanical equipment, we transform everything from CAD to BIM models and objects in Revit for better 3D design visualization and space occupancy. We develop coordinate BIM models for entire enhanced as-built building designs with our excellence in BIM implementation and consulting.

Our CAD to BIM conversion services include:

* Convert structural plans to BIM models
* Transform architectural drafts to Revit Plans in 3D
* Scan to BIM services for retrofit buildings
* Develop Life Cycle Models of building plans from CAD drafts
* Tag and label BIM objects with BIM specification and LOD standards
* Convert pdf, blueprints and paper-based plans to BIM
* We help engineers and architects to digitize their designs for future referencing, editing and fetching on later stages. We develop BIM models for our global clients according to their region-specific standards.

Contact us for your BIM conversion needs and we will get back to you soon.

* 1. Asset Information Modelling

As-Built Modelling and Development

Our Revit drafters convert blueprints and red-markup drawings with alterations in building designs and create as-built 3D models of building design plans to take informed decisions. We document every change made by sub-contractors, MEP contractors and architectural consultants in the final plans based on spatial conditions at actual sites to keep 3D BIM models updated with VDC services.

Our as-built drafting and drawing services help engineers to convert scanned data of constructed facilities to digitize the actual physical conditions for refurbishment. From archaic buildings to blueprints of new construction plans, we at DesignGate, model everything for contractors to have ready information in a single digital model of the present condition of the building.

Our as-built modeling services include:

* Converting laser scan images to as-built 3D BIM models
* Developing building models as per LOD 500 standards
* Deliver installation plans from as-built models for efficiency
* Convert 2D architectural drafts into final accurate plans using AutoCAD Civil

We help site engineers and contractors for accuracy in decisions and tackle with unforeseen circumstances by converting 2D drafts and plans into final actual as-built plans to phase construction efficiently. By partnering with us for as-built and BIM outsourcing services you are benefited across enlisted areas.

Benefits of as-built modeling:

* Eliminating multiple documents for building design
* Ease in fetching actual facility conditions
* No hard copies for drawing and technicalities referrals
* Efficient installation of MEPF equipment as per space availability
* Quick decision-making during refurbishment of facilities

Contact us now for more information on as-built modeling services and we will ensure to accelerate your decision-making process for facility management and retrofitting.

* 1. **BIM for FM**

Deploying BIM-AIM Services in Facilities Management

We provide BIM for facilities management, maintenance and operations which helps building owners and maintenance contractors gain access to real time shared assets profiles and information, aid quick and easy visualization of modelled elements, systems, and components, improve awareness of asset location, develop a streamlined maintenance management workflow that facilitates a proactive working approach towards preventive, reactive and corrective maintenance.

We are strategic partners with YouBIM which a world leading BIM-FM solutions provider. This partnership agreement gives us a competitive advantage over every other BIM consulting practice with Africa.

**Benefits of BIM for Facilities Management:**

There are very significant cost benefits that could result from an integrated system providing accurate and complete information, including the following:

* Improved workforce efficiency because of the availability of better information when it is needed (in the office or field) rather than requiring FM staff to spend time looking up information on drawings, equipment documents, and other paper records.
* Reduced cost of utilities (energy and water) because of improved maintenance data that support better preventive maintenance planning and procedures. Building mechanical equipment will operate much more efficiently when properly maintained.
* Reduction in equipment failures that cause emergency repairs and negatively impact tenants.
* Improved inventory management of parts and supplies and better tracking of asset and equipment histories.
* Longer equipment lives supported by the more extensive use of PM (Links to an external site.) rather than breakdown maintenance. This reduces the cost of equipment replacement in the same way that proper auto maintenance extends an auto’s life and provides more reliable service.
* All of these benefits contribute to lowering facility total cost of ownership (TCO (Links to an external site.)) and providing better customer service.

Contact us now for more information on BIM for facilities management and we will ensure to accelerate your decision-making process for facility management and maintenance.

* 1. **Cobie BIM Services**

**COBie BIM Data Exchange Support**

We deliver COBie modeling for building design and construction planning for achieving better coordination between engineers, design firms, architectural consultants and each individual stakeholder. As a complete BIM service provider, we work with our global clients and deliver 3D models as per BIM standards in UK and USA as well as NIBIM standards.

We use Autodesk Revit for delivering models in COBie format for data exchange across disciplines through COBie Spreadsheets and templates, enhance PDTs of various building products, and implement BIM automation as well as BIM analytics. Our in-house teams of structural and MEP engineers as well as architectural drafters partner with external manufacturers, fabricators and facility managers to empower them with ready information for building construction and operations.

COBie Modeling service offerings:

* Develop spreadsheets of building component details for COBie standardization
* Maintaining a database for quick data retrieval during construction, operation and maintenance
* Developing BIM 3D models with COBie format for data exchange
* Create architectural, structural and MEP models for information interchangeability
* Capture the project data and include list of parts
* Maintain part list, count, replacement/maintenance and warranties for facility management
* Full spectrum support to maintenance engineers and facility managers with ready data availability

Ensure smooth your facility construction and maintenance today.

Discuss your detailed COBie modeling needs with our BIM specialists today.

* 1. **4D BIM Services**

**4D Scheduling and Planning Experience**

We deliver spatial coordination and simulation videos for 4D BIM construction sequencing and plans.

Our BIM experts have competence in delivering 4D planned construction sequencing and time-liner videos using Excel entities or Primavera in Navisworks for efficiently strategizing site logistics and eliminating scheduling conflicts. We deliver Revit 4D BIM services to construction firms and contractors engaged in developing hotels, hospital buildings, airports, and various residential townships along with commercial buildings.

We partner closely with the site engineers to help them take informed decision with digital Gantt Charts and phasing outputs for site logistics and planning during construction stage set against predefined timelines. We create sequential 4D animation of building construction activities with timed duration and activities to visualize the progress and compare actual construction against planned.

**4D BIM simulation services offerings:**

* Converting 3D BIM models to 4D sequencing/phasing outputs
* Forecast completion and establish milestones before construction begins
* Clash free mapping of construction activities
* Generating efficient RFIs for interdisciplinary simultaneous activities
* Construction activity phasing and planning in real-time
* Monitor and track activity progress
* Extract IFC reports from as-built BIM models for data sharing

Our BIM managers will work closely with your engineers to deliver accurately error free construction management solutions at macro-levels and deliver augmented and virtual reality compatible BIM models.

Benefits of partnering with us for 4D BIM services:

* Optimized construction scheduling for complex projects
* Eliminating reworks by developing efficient schedules
* Resolving conflicts and delays in supplies at site
* Reduced time and cost overruns by misconstructions
* Easy project management with a visual sequencing of tasks
* Smart risk management through detailed information beforehand

Contact us today to make your projects more efficient and your building designs more valuable by developing a coherent construction stage action plan.

* 1. **5D BIM Quantity Take-off and Cost Estimation**

**Construction Cost Estimation Experts**

We deliver accurate cost estimation along with quantity takeoffs using virtual as-built intelligent 3D models for building construction projects having multiple complexities. We partner with large construction companies, architects, engineers and contractors to help them evaluate near accurate costs for bidding, winning tender approvals, order quantity for prefabrication and construction billing solutions through VDC solutions.

Our in-house teams of civil engineers along with teams experienced in BIM Consulting and implementation aids cost estimation through software tool help contractors predict the material requirements planning, and evaluate costs of entire project including labor costs. We develop highly interactive and virtually intelligent BIM models for execution of construction project plans, assembly and installation of components.

Our teams help design companies and quantity surveyors leverage rising technology like Blockchain and cloud computing combine by developing IFC open formant BIM models and reuse design data.

5D BIM construction cost estimation service offerings:

* Converting 4D BIM models to 5D for accurate cost planning
* Tagging and labeling various building elements
* Preparing BOQs, QTOs and order for lean construction
* Managing multidisciplinary projects with RFIs and other documents
* Integrate fabrication drawings with BIM models for accurate BOMs
* Deliver BIM models in IFC open format to adopt design changes
* Revit families of MEPF equipment to evaluate quantity takeoffs

Having a long-standing experience and a scalable technology infrastructure, we work closely with our clients, on and offshore, requirements of cost mapping with BIM platforms. We use Autodesk Revit along with BIM cost estimating software for cost modeling of as-built building models and coordinate with cost planning divisions and sub-contractors.

We have executed a significant number of 5D BIM cost estimation projects. We remain a trustful partner for 5D BIM services to our clients with highly qualified teams of engineers, architects, BIM specialists and CAD drafters.

If you are looking for BIM cost estimation services, talk to us today.

* 1. **Trainings and Advisory Services**

**BIM Trainings and Advisory Services**

Building Information Modelling (BIM) is more than just working in a digital environment. It’s about ensuring teams have the relevant knowledge and capabilities to achieve best practice and the continued drive to commit to it.

Developed in conjunction with leading industry consultants and trends, our BIM training courses provide the most relevant and up-to-date information in the market. You’ll learn how to effectively manage information across all stages of your construction projects.

Wherever you are on your journey, whatever your role, we have a course to help you be more efficient at what you do.

Here is a list of our BIM courses.

* 3D Architecture Modelling
* 3D Structural Modelling
* 3D HVAC Modelling
* 3D Electrical Modelling
* 3D Water Distribution Systems Modelling
* 3D Fire-Fighting and Sprinklers Systems Modelling
* 4D Construction Simulation
* 5D Cost Management Training
* BIM for FM Training
* VR and AR Development
* Document Management and Workflow Automation

Registration Portal-----See attachment in your whatsapp

**Contact**

1. We are the choice of leaders in the Architecture, Engineering and Construction Industry
2. We want to hear from you. Kindly take a moment to fill the form below and describe your project requirements. We will get back to you shortly!
3. Address: 55, Moleye Street, Alagomeji, Yaba, Lagos
4. Phone: +2347035157417
5. Email: support@realdesigngate.com