About Us

Virtual Building Studios was setup with the objective of providing comprehensive end-to-end customized services & solutions to AEC industry globally. Virtual Building Studios has emerged as a leader in providing BIM services & solutions to some of USA, UK, Singapore, Australia, Canada's top design firms & construction companies. Virtual Building Studios is promoted by practicing Architects based in Ahmadabad, India with over 16 years of combined experience in global Architectural Practice and Professional Services Management Consulting.

Virtual Building Studios Integrates & aligns with your Design team to provide you services & solutions that enhances your efforts and helps you take informed decisions. Highly experienced professionals from all AEC disciplines forms the core Project Management & Production team.

At Virtual Building Studios, we believe in remain with the cutting edge technology in AEC Industry. To deliver the very best to our Clients, we believe that along with technology, enhancement of People Skills is critical. To this end, regular Training forms an integral part of our work culture. Virtual Building Studios is a partner of the Autodesk Developer Network that

Vision

To operate in collaboration with our clients to achieve the mutual success of our occupations, thus become a worldwide leader in Architectural outsourcing services.

Mission

To add value to our customer business by Providing Innovative, high tone, time bound and cost effective single stop solution for all integrated AEC services.

Core Value

INTEGRITY: In conduct, thought and action.
RESPECT: For every opinion, idea and expression.
COMMUNICATION: Open and unbiased.
RESPONSIBILITY: For every action, outcome and consequence.
TEAMWORK: Common goals in pursuit of excellence.
INNOVATION: Continuous improvement in what we do best
OUR PEOPLE: Thinking in “Uniqueness “of each individual and equal opportunity
What is BIM?

Building Information Modeling

BIM is an intelligent virtual model-based process that provides insight to help you plan, design, construct and manage buildings and infrastructure.

Benefits of using BIM

- Better Design Output and Appreciation
- Faster Turnover, Higher Quality Work
- Increase Work Efficiency
- Good Management of Design Revision
- Avoidance of Site Rework
- Less Manpower

Through BIM, we can provide a service that encompasses the whole building lifecycle.

LOD is the Key

- LOD100 "Estimate it."
- LOD200 "Specify it."
- LOD300 "Bid it."
- LOD350 "Buy it."
- LOD400 "Build it."
- LOD500 "Operate/maintain it."

If in which the process of generating 3D models of the physical and functional characteristics of a facility server allows access to the BIM model from anywhere at any given time. The BIM model becomes the single interface of information - **One project, One model.**
Virtual Building Studios offered 360° AEC services for the entire lifecycle of the building.
Virtual Building Studios provides **customized 2D architectural** drafting services. We have a team of highly qualified architects, engineers, and draftsmen who understand the country wise codes and specifications of every continent and generate appropriate 2D architectural drawings.

### 2D DRAFTING AND DRAWINGS
- Design Assistance
- 2D CAD Drafting & Detailing
- Conceptual Designing
- Construction Drawings
- Working Drawings
- Shop Drawings
- Survey Drawings
- Land Load's Pack
- Planning Application
- General Arrangement Plan
- Mill Work Details & Drawing
- Retail Planning Drawings
- Fabrication Drawings
- Assembly Drawings
- Landscape Drawing
- Product/Part Design
- Reverse Engineering
- Industrial Digitalization
- CAE Analysis, CFD Analysis, FEA Analysis
- Product & Part Drafting

### CAD CONVERSION
- Scan Docs To CAD Conversion Pdf, Tiff, Jpeg Or BMP To CAD Conversion
Virtual Building Studios delivers a spectrum of professional & high quality 3D architectural visualization, photomontage, rendering and animation services to Home Builders, retailers, architects, and general contractors. We help you identify possible errors in architectural design or improvement areas in the building design based on smarter 3D architectural designs and virtual tours.

**VISUALIZATION SERVICES**
- Architectural 3D Modeling & Rendering
- Architectural 3D Walkthroughs
- Interior 3D Rendering & Walkthrough
- Furniture & Product Modeling And Rendering
- Architectural Illustration

**3D MODELING SERVICES**
- AutoCAD To SketchUp Model
- SketchUp To BIM Model
- 2D Drawing To 3D Modeling
- HVAC Modeling With BIM
- 2D Drawings To BIM Conversion
Virtual Building Studios delivers 4D models which enables the various participants (from architects, designers, contractors to owners) of a construction project, to visualize the entire duration of a series of events and display the progress of construction activities through the lifetime of the project.

**4D SCHEDULING**

- Project Phasing Simulations
  - Lean Scheduling
  - Last Planner
  - Just In Time Equipment Deliveries
  - Detailed Simulation Installation

- Visual Validation For Payment Approval
- 3D To 4D BIM
- Conflict Detection And Resolution
- Improved Time Management And Construction Scheduling
Virtual Building Studios delivers 5D models which enables the various participants (from architects, designers, contractors to owners) of a construction project to visualize the progress of construction activities and its related costs over time. We deliver 5D Virtual Design & Construction models loaded with complete information about the material requirements and costs at every stage across a construction project. Any change in the design, has a cascading effect on other factors such as estimation of material quantities and hence the related costs.

5D SERVICES

- BIM 4D To 5D
- Quantity Take-Off
- Material Take-Off
- Trade Verification From Fabrication Models: Structural Steel, Rebar, MEP
- Value Engineering
- What-if-Scenarios
- Visualization
- Quantity Extractions
- Prefabrication Solutions
- Cost Estimation
- Budget Visualization
Virtual Building Studios is emerging Building Energy Modeling services Provider Company helping Architects, Builders and Property developers in Green Building initiatives and LEED certification. We have expertise in eQuest modeling services for various parameters like lighting, location, solar insulation and more. Our team of specialists is well-versed with USA and UK Regional codes to assist you in Green building planning for necessary local approvals. Our customized "LEED + Revit" deliverables are very useful for sustainable projects pursuing the USGBC’s LEED rating.

**6D SERVICES**

- Energy Modeling
- Building Energy Consumption Analysis
- Fenestration Analysis
- Daylight Simulations
- Location Review
- Light Pollution Detailing
- Reflection & Glare Plans
- Shadow & Visibility Analysis
- Acoustic Simulations
- Conceptual Energy Analysis
- Detailed Energy Analysis
- Sustainable Element Tracking
- LEED Tracking
The 5D model is usually delivered to the owner, when a construction project is ready to be closed-out. The "As-Built" BIM model is populated with all relevant building component information such as product data and details, maintenance/operation manuals, cut sheet specifications, photos, warranty data, web links to product online sources, manufacturer information and contacts, etc.

7D SERVICES

- BIM As-Built
- BIM Embedded Q&M Manuals
- Streamlined Maintenance & Technical Support.
- Improved Space Management
- Asset Management Services
- Financials And Budget Management
- Efficient Use Of Energy
- Economical Retrofits And Renovations
- Enhance Lifecycle Management
Co-Ordination & Clash Detection

This is one of most widely used features of BIM, Virtual Building Studios has a dedicated team for Clash detection. Our customized clash reporting format, clash tracking system and accurate detection of clashes makes this one of the most desired service.

Virtual Building Studios uses the models provided by consultants; then integrates them in Revit/Navisworks to produce Clash reports. A dedicated Clash Manager is allocated to each project, who documents and tracks the status and history of each clash.

CLASH DETECTION SERVICES
- Navisworks Clash Detection
- Revit Clash Detection
- BIM Clash Detection
- 3D Clash Detection
- 2D Clash Detection
- Clash Resolution Services
- Clash Reports
Since a lot of current projects are Renovations & retrofits, often of very old buildings, laser scanning is increasing being used to record these buildings. Designers, Constructors and Owners want the point – cloud data from these laser scanners Converted to Revit models. The focus here is on doing these in the most accurate and efficient manner, in the shortest possible time. Depending on the project and the use of BIM on the project, we optimize the level of detail in which the point cloud information is converted to Revit.

LASER SCAN TO BIM SERVICES
- Tracing And Surface Restructuring From Point Cloud Data
- Point Cloud To BIM 4D For Construction Scheduling
- Point Cloud To BIM 5D For Cost Estimation
- Point Cloud To BIM 6D For Sustainability Optimization
- Point Cloud To BIM 7D For Facility Management
Family Creation

We create, extract, standardize & manage BIM content; this includes 2D Drafting Details, 3D components, Project files Furniture etc. We follow a strict and accurate protocol for how the content should be built, named and accessed. The Level of Detail in the content is optimized, so that the desired result is achieved, without making the files very slow. Virtual Building Studios specializes in creating smart content & templates for different types of project deliverables.

REVIT FAMILY CREATION SERVICES

- Structural Components Family Creation
- MEP Revit Families
- Architecture Family Creation
- Building System Families
- Building System Components
- Legends & Title Blocks
- Fixtures, Custom Applications
- Structural Components
- Partitions, Walls, Windows And Doors
- Related Custom & Supporting Content
Building Information Modeling is already here. But all across the globe companies are facing a great challenge trying to develop a strategy to implement BIM and maximize the benefits of building virtually. Many feel that it is an almost impossible to decide how to switch from 2D to BIM or to optimize their current BIM setup. At Virtual building Studios, we are specialized in supporting companies in the building industry by offering a number of important elements that are necessary to develop the BIM-strategy that suits your company.

**BIM IMPLEMENTATION ADVISORY**
Be on the right track from Day 0 with a well-constructed Enterprise BIM Roadmap & Standards. Construct and standardize BIM workflow through the direct transfer of Virtual Building Studios's team extensive knowledge and experience.

**BIM TRAINING & HANDHOLDING**
Award-winning 3D BIM Modeling, 4D BIM Simulation, 5D BIM quantity takeoff & project finance management and 6D BIM Facility Management service.

**PROJECT-BASED TRAINING**
Train according to your need. Speed up the establishment of your own BIM team with hands-on courses specially designed based on your unique project.
Why Virtual Building Studios?

EXPERIENCE
15+ years of experience in the field of Architecture & Engineering, Serving to UK, USA, Australia, UAE, Canada, Singapore based Architectural, Engineering & Construction firms.

‘END-TO-END’ OUTSOURCING SERVICES
We understand that outsourcing is our business not our clients’. An experienced transition team works with clients throughout the BIM/Design process and provides on-going support for as long as they feel necessary.

REPORTING
We also work on clients’ servers. We help clients set up job responsibilities, methods to monitor our performance and measure the defined goals. They also get a single-point-of-contact who sends digital reports to them on a daily and weekly basis. And since VIRTUAL BUILDING STUDIOS is known for its quick turnaround times, all client issues are dealt with swiftly.

Award Winning Company
VIRTUAL BUILDING STUDIOS ranked as a rising star in a number of categories.

Commitment To Quality And Security
ISO 9001-2008 Certified Company

Locations
Dubai | India

FLEXIBILITY TO SCALE OPERATION
We are flexible in terms of handling overloads, such as during submission deadlines, BID time. All teams work according to clients’ calendars and work hours to compensate for Daylight Saving and zonal time differences. In case of additional workload, we even work on bank holidays.

TRUSTED BY CLIENTS
TRUSTED BY CLIENTS | 20 Architectural | 70 Construction
60 Engineering firms | Various owners

WE WORK WITH RANGE OF SECTORS
Education | Hospitality | Industrial | Healthcare | Commercial
Leisure + Cultural | Transportation Urban Design | Mixed use | Residential
Retail
We're located in Asia
But wherever you are, we're never more than an email or phone call away
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