About Us

Virtual Building Studio was setup with the objective of providing comprehensive end-to-end customized services & solutions to AEC industry globally. Virtual Building Studio 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 Studio is promoted by practicing Architects based in Ahmedabad, India with over 15 years of combined experience in global Architectural Practice and Professional Services Management Consulting.

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

At Virtual Building Studio, we believe to 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.

Vision

Most Innovative AEC Service Provider Globally, Powered By Digital Technology.

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, construction 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

LOD is the Key

- LOD100 “Estimate it.”
- LOD200 “Specify it.”
- LOD300 “Bid it.”
- LOD350 “Buy it.”
- LOD400 “Build it.”
- LOD450 “Operate/Maintain it.”

Integrated Project Delivery (IPD)
Virtual Building Studio offers 360° AEC Services for the entire lifecycle of the building.
Virtual Building Studio 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 continents 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 & Drawings
- Retail Planning Drawings
- Fabrication Drawings
- Assembly Drawings

- Landscape Drawings
- 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
- BMP To CAD Conversion
Virtual Building Studio 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
- Interiors 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 Studio 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 SIMULATION SERVICES

- Project Phasing Simulations
- Lean Scheduling
- Last Planner
- Just In Time Equipment Deliveries
- Detailed Simulation Installation
- Visual Validation For Payment Approval
- 3D To 4D BIM
- Project Phasing Simulations
- Conflict Detection And Resolution
- Improved Time Management And Construction Scheduling
Virtual Building Studio delivers 5D model 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 QUANTITY TAKE-OFF SERVICES

- BIM 4D to 5D
- Quantity Take-Off
- Material Take-Off
- Trade Verification From Fabrication Models: Structure Still, Rebar, MEP
- Value Engineering
- What-If-scenario
- Visualization
- Quantity Extractions
- Prefabrication Solutions
- Cost Estimation
- Budget Visualization
- Construction Scheduling
Virtual Building Studio 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 GREEN BUILDING 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 7D 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 FACILITY MANAGEMENT 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
This is one of most widely used features of BIM, Virtual Building Studio has a dedicated team for clash detection. Our **customized clash reporting format, clash tracking system** and accurate detection of clashes makes it one of the most desired services. Virtual Building Studio 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 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 it 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. A step further & we also convert them into BIM 4D, 5D, 6D and 7D models.

**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
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 results is achieved, without making the files very slow. Virtual Building Studio specializes in creating smart contents & templates for different types of project deliverable.

REVIT FAMILY CREATION SERVICES

- Structure Components Family Creation
- MEP Revit Families
- Architecture Family Creation
- Building System Families
- Building System Components
- Legends & Title Blocks
- Fixtures, Custom Applications
- Structure Components
- Partitions, Walls, Windows and Doors
- Related Custom and 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 almost impossible to decide how to switch from 2D to BIM or to optimize their current BIM setup. At Virtual Building Studio, 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 Studio’s team extensive knowledge end experience.

**BIM TRAINING & HANDHOLDING**

Award-winning 3D BIM Modeling, 4D BIM Simulation, 5D BIM Quantity take-off & project finance management and 6D BIM Facility Management services.

**PROJECT-BASED TRAINING**

Training 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 US

15+ YEARS EXPERIENCE

85% REPEAT BUSINESS

50+ ARCHITECT ENGINEER

18 COUNTRIES

20+ CERTIFIED BIM USER

9 SOFTWARE PLATFORM

TRUSTED BY 90+ CLIENTS

FLEXIBILITY TO SCALE OPERATION

END TO END OUTSOURCING
We're located in Asia

But wherever you are, we're never more than an email or phone call away

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