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Why is 3D Visualization Used in Architectural Field?

by Kimberly Smith

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3D Visualization is a generic term used in CAD Industry for 3D Rendering and Modeling services. Visualization in general means ability to visualize or imagine something even before it is created. It may be anything a building or a product. 3D visualization is prominently used in the field of Architecture. 3D Modeling and Rendering Services fall under â€œ3D Visualizationâ€•. This helps an end user get a feel of how a building exterior, interior or site looks after it is constructed Technique that gives a realistic look and feel to the building or site is called â€œRenderingâ€• . Rendering normally comes into picture after the model is constructed.Using 3D Modeling and 3D Rendering an Architect or a 3D Artist can showcase all elements of a particular building or site. Not only building elements but also landscaping, water bodies etc. can be shown in 3D Renderings. There can be multiple views for one single building which can be show cased from different angles.

This technique has brought a revolution in the Architectural Industry. CAD Plans, Handmade drawings and sketches can all be converted easily into 3D Rendered images. It can give a clear idea about the colors used in the building interior as well as exterior, interior design, furniture types, wall color, lighting etc even before the building is constructed. Trees, Plants, Vegetation around the main building and site also can be visualized with absolute realism.

The following can be achieved using 3D Visualization

1. Exterior Rendering

2. Interior Rendering

3. Photomontage

4. Landscaping

5. Product Modeling

6. Furniture Modeling

Exterior Rendering refers to visualization of the exterior of any building or house. Exterior can be a Commercial Building, Residential House, Condominiums, Single Family Home, Villas, Resorts etc.Architectural companies or consultants use exterior rendering to create visualization of a building that is about to get constructed. This can be used as an excellent tool to market their services or buildings.

Landscaping and site rendering also add value to the entire package. Along with this photomontage helps us visualize a building or villa constructed with a back drop of an existing site. Our 3D Model and Rendered Model can be amalgamated to an existing site or natural scenery to see how a building looks against one particular site.

Interior Rendering enables one to visualize how an interior of a building, house, villa or a resort is going to look like. Furniture layouts, 3D floor plans, color of walls and floors, material texture, fixtures, kitchen appliances, water closets etc can be designed to give a clear idea to an end user. This can be also used as an excellent marketing technique to attract buyers for apartments or villas. An Architect can provide you with an exceptional interior images or models along with multiple options for you to choose from.

This is extremely cost effective and saves ample time. We can visualize the entire building at a glance using 3D rendering before the building is complete. This saves time and helps us modify details that require to be changed before the actual construction. Some elements are very difficult to modify after actual construction takes place.

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Kimberly Smith - About Author:
Tesla outsourcing, a leading engineering firm provides a Architectural CAD Services and a 3D Rendering Services to many clients across the globe.

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