



RDV SYSTEMS, INC.

Rapid Design Visualization for Infrastructure Professionals



RDV Systems has been delivering innovative visualization and BIM software products since 2005. Our mission is to provide tools for project visualization and road safety audits that dramatically expand the capabilities of engineers, designers and safety officials, and allow for new ways to cooperate and communicate effectively at a cost feasible for projects of any size. Consultants and public agencies around the world rely on RDV software products and services to visualize, analyze and communicate their designs.

Versatile Solutions for Project Teams

RDV's 123BIM web and desktop solutions provide technologies that give a versatile set of assets and tools for communicating with the public and other stakeholders to the engineers, planners, and public involvement specialists who are involved in the project. With 123BIM, project team members can present their designs while moving freely around the 3-D model, show different conditions such as design alternatives and construction staging, review the model with remote participants, create Virtual Tours to share with the public, and create an unlimited number of images, animated video clips, and virtual reality assets.

Rapid and Efficient Solutions for Visualization Modelers

RDV's Publisher solutions operate directly inside the Bentley or Autodesk CAD platform to let visualization modelers quickly and efficiently develop and publish 3-D and 4-D virtual project models directly from the CAD data. Our "Publish, Don't Render" approach substantially shortens model development and delivery times, making it easy to keep 3-D models up-to-date as project designs develop and change. RDV Publishers also integrate with other visualization tools like 3ds Max, Unity, Infra-Works, Sketchup, Lumen RT and VISSIM for workflow data sharing.

Turnkey Modeling Services

RDV provides 3-D model development for your projects as a contracted service. We take your project data and CAD files and deliver a finished virtual project model along with the 123BIM technologies that enable project teams to make the most effective use of the model. RDV is highly experienced in working with consultants on projects for DOTs and other infrastructure agencies with hundreds of projects under our belt for companies like Atkins, HDR, HNTB, Dewberry, Stantec, TranSystems and the DOTs of Arizona, Connecticut, Florida, Massachusetts, North and South Carolina, Oregon and Utah, among others. RDV is known for carefully analyzing customers' needs and objectives to deliver models at highly competitive costs, and for its rapid development and delivery of high quality 3-D virtual project models.

"This was such a great tool to let people an actual representation of what the end product was going to look like from any point they wanted." - Nicole Williams, Kimley-Horn

RDV Benefits: Communication, Efficiency and Versatility

Most visualization providers focus on delivering static assets like rendered images and video clips - an expensive and time consuming process that makes it difficult to keep the visualizations up-to-date with project changes, forces the project team to rely on a remote resource for every image and video, and results in a product that provides limited versatility when communicating to team members, stakeholders, and the public.



RDV's "Publish, Don't Render" approach to visualization provides significant advantages that more closely align with the real-world project development process. Instead of images and videos, RDV's technology results in an interactive 3-D virtual project model that can be developed quickly and efficiently, and is much easier to keep up-to-date as the project design develops.

Project team members can use the published model with the 123BIM applications to communicate in a variety of ways. With 123BIM they can review and present their project in a fully interactive gaming engine environment, export images from any point of view, create web-hosted Virtual Tours that can be shared with the public for interactive viewing on computers and mobile devices, export animated video clips for rapid creation of presentation videos, and create immersive 3-D virtual reality assets - all without having to rely on external resources.

See RDV Visualization in Action!

Scan or click the QR codes with your smart phone or tablet.

I-440 Glenwood Interchange Virtual Tour



[\(Click Here\)](#)

Hampton Roads Express Lanes Virtual Tour



[\(Click Here\)](#)

Hampton Roads Express Lanes Flyover Video



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RDV Systems

When you can't afford
to be misunderstood!

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