

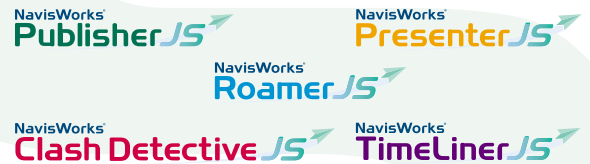
NavisWorks® JetStream

the 3D design review solution

The fourth generation of the market leading 3D design review solution introduces technology for improved 3D model handling with enhanced navigation, better process integration and powerful new features including streaming large models across the internet. NavisWorks JetStream gives access for all stakeholders to navigate, communicate and collaborate on 3D design models regardless of file size or format; offering a reliable way to challenge, check, mark-up and share the detailed 3D design. NavisWorks JetStream delivers improved design output, accelerates the design cycle and reduces waste. NavisWorks products are engineered to be easy to deploy, fit with existing software and have low cost of ownership.

A Flexible Solution

The NavisWorks JetStream design review solution is completely scalable, easily adapting to satisfy the review needs of every organization creating, reviewing or just viewing 3D models. Each NavisWorks JetStream user can access the tools they need either on their own standard PC or via a local network.



NavisWorks JetStream has a flexible plug-in architecture with Roamer JS as its dynamic hub. Additional functionality is delivered in plug-in components that can be added in any combination with the core Roamer JS; scalable to satisfy changing needs by adding more plug-ins or updating when new ones are introduced.

An Application Programming Interface allows users to adapt, extend and integrate functionality into business processes and offers the opportunity to link to external data or expose information whilst navigating. Effective networking is offered by NavisWorks JetStream NetWorker, an enterprise wide solution that is easy to set up, administer centrally and expand when needed.

NavisWorks® Roamer JS

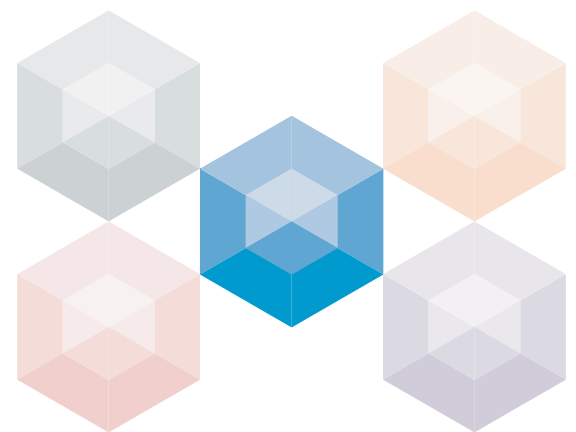
Key Attributes Roamer JS

- Smooth real-time walkthrough of most popular native design & laser scan file formats.
- 9 navigation tools enhanced with collision detection, gravity & 3rd person view for a more realistic experience.
- Rich review toolkit to aid project model understanding.
- Easy to use without CAD skills or design software.

Roamer JS is the dynamic hub at the core of the NavisWorks JetStream design review solution. Enhanced with JetStream technology, Roamer JS delivers interactive visualization and smooth real-time walkthrough and review of even the largest and most complex 3D models.

Roamer JS can be used to explore the design free from the limitation of pre-programmed animation and without specialist skills or hardware. Fully compatible with most popular 3D design and laser scan file formats*, Roamer JS opens models quickly for walkthrough and review of geometry and object information. Textures, materials and lights can also be viewed from .nwd files or, when used with the Presenter JS plug-in, other compatible formats. Roamer JS can combine competing 3D file formats to create supermodels for complete interoperability and large data files are handled with ease on ordinary PCs. The excellent navigation options are enhanced with collision detection, gravity and a third person view that improve the reality of the experience in Roamer JS.

*Up to date detail of application & file format support can be found at www.navisworks.com



[Roamer JS is the Dynamic Hub of NavisWorks JetStream]



.avi files
.jpg files
.bmp files
.png files
.epx files
.nwf files

[Roamer JS is fully compatible with most popular 3D design & laser scan file formats]

[Roamer JS quickly opens native 3D design files for review]

NavisWorks® Publisher JS

Key Attributes Publisher JS

Free viewing & walkthrough with enhanced Freedom JS.

Create compact, secure & streaming .nwd files.

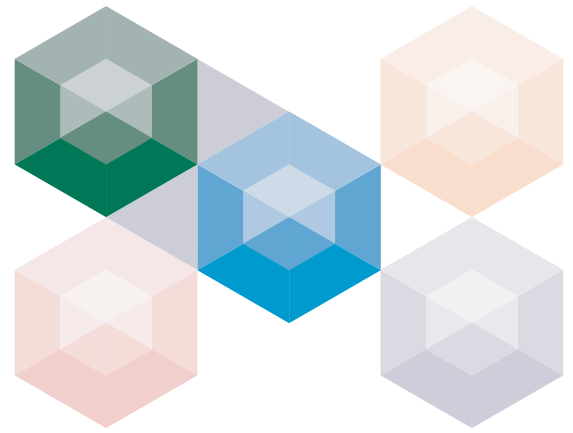
Options to password protect, save disable & set expiry date of .nwd files.

NetMeeting enabled.

NavisWorks JetStream Roamer + Publisher JS offers design professionals a valuable means of communicating their intent. Publisher JS creates compressed, secure and streamable NavisWorks JetStream .nwd review files that are faithful to the original native 3D data from which they are created.

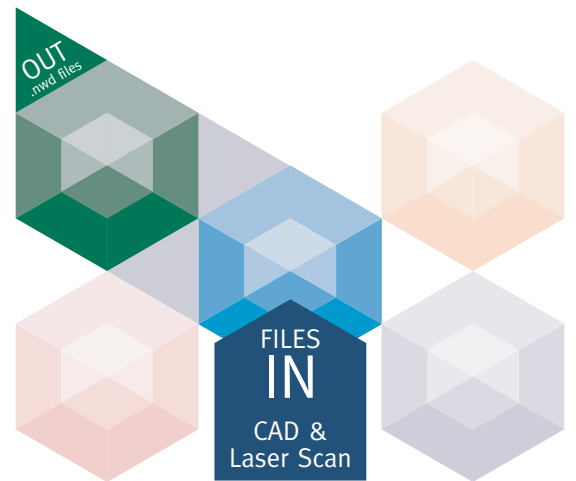
Effective collaboration can only be achieved by making it easy for designers to review each other's contributions and share them to improve the understanding and input of others. NavisWorks JetStream liberates the 3D model from the authoring design software, expensive hardware and the barrier of competing file formats. NavisWorks JetStream .nwd files created with Publisher JS are read by Roamer JS and make it easy to work as a team and freely shared with the widest audience through NavisWorks Freedom JS.

Publisher JS removes the expense and inconvenience of collaborative 3D design review across the internet, offering a practical solution to streaming large CAD models. NavisWorks JetStream .nwd files created by Publisher JS just stream without any need for pre-preparation of the model or third party server hosting. There is no set up time, no ongoing costs, just publish as .nwd and open the URL in Roamer JS or our free viewer Freedom JS.



[NavisWorks JetStream Roamer + Publisher JS]

[Publisher JS creates compact, secure & streamable NavisWorks JetStream .nwd files that can be reviewed with Roamer JS & viewed with Freedom JS]



NavisWorks® JetStream Freedom

Free to own, making it free to view and roam 3D models without design software even streamed across the internet. Freedom JS is a 3D viewer for .nwd files created by Publisher JS. Freedom JS is the answer for those without design software or specialist skills that wish to explore a 3D project model.

- Easily open, view & walkthrough NavisWorks JetStream .nwd files, even streamed across the Internet.
- A powerful real-time 3D engine with JetStream technology for improved large model handling.
- 9 navigation tools enhanced with collision detection, gravity & 3rd person view for more realism.
- View animations & hyperlinks.
- View marked up viewpoints & saved cross sections.
- Completely free to use.

[Publisher JS creates compact, secure & streamable NavisWorks JetStream .nwd files]



DOWNLOAD FROM
www.navisworks.com

NavisWorks® Presenter JS

Key Attributes Presenter JS

Drag and drop from archives of 200+ interactive materials & 1000+ photorealistic materials.

Physically accurate lighting & effects for advanced visual quality & realism.

Display & edit textures & materials from other design software.

NVIDIA technology for real-time preview of lights, shadows & materials.

NavisWorks JetStream Roamer + Presenter JS is an original visualization solution dedicated to the creation of compelling 3D content to communicate design intent. Presenter JS enables textures, materials and lights to be quickly applied to, or, where compatible, read from existing 3D models and is ideal for fast-moving collaborative review at every stage of the creative process.

Presenter JS allows non-technical users, without design software, to create both still and animated photorealistic rendered output to share their vision of a project to aid full understanding and facilitate decision-making.

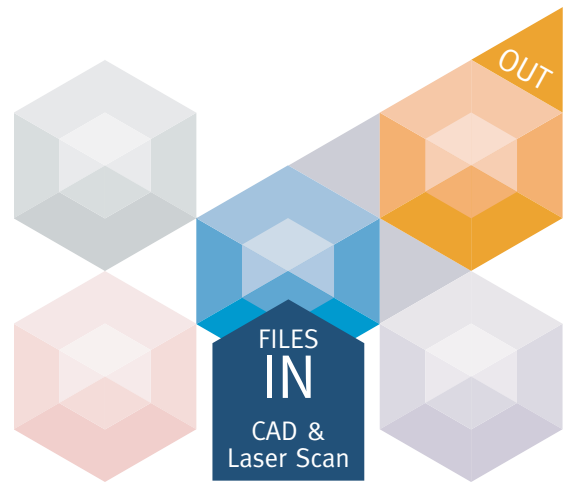


[Photorealistic output from NavisWorks JetStream Presenter]



[NavisWorks JetStream Roamer + Presenter JS]

[Enhanced photorealistic images & movies]



[Enhance the realism of interactive review & presentation output]

NavisWorks® Clash Detective JS

Key Attributes Clash Detective JS

Check for both intersecting geometry & distance between geometry.

Full audit trail of detected clashes throughout the life cycle of the project.

Extensive interference management & reporting capabilities.

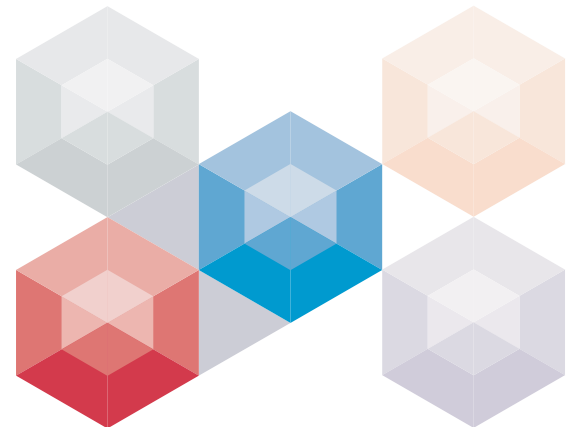
Clash test XML import / export for fit into existing processes & modelling conventions.

NavisWorks JetStream Roamer + Clash Detective JS enables the effective identification, inspection and reporting of interferences in a 3D project model.

Clash Detective JS eliminates tedious manual checking with the accompanying risk of human error to significantly reduce the expensive consequences of incomplete, inaccurate and poorly coordinated production information.

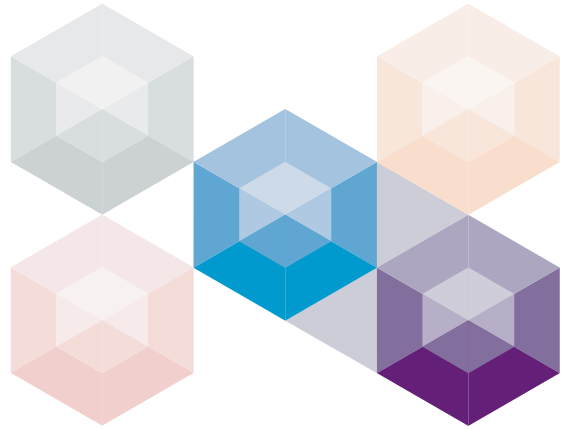
The Clash Detective JS plug-in for Roamer JS adds the facility to quickly and easily find, review and manage both hard and clearance clashes in even the largest supermodel. Geometry created by different, competing 3D design software can be quickly reviewed together and checked automatically against each other for interferences with Clash Detective JS.

Clash test results are stored and merged to create a complete record of all interferences found. User configured clash test rules can be set up. Detailed reports can be produced as .HTML



[NavisWorks JetStream Roamer + Clash Detective JS]

NavisWorks® TimeLiner JS



Key Attributes TimeLiner JS

Improve site planning & enables "what-if" scenarios for visual risk management.

Integrates with existing tools such as Primavera, MS Project & Asta Powerproject

Time based workflow planning when linked with Clash Detective JS

NavisWorks JetStream Roamer + TimeLiner JS offers all key project stakeholders a clear common understanding of the design intent, construction plan and current project status. TimeLiner JS enables 3D model data to be linked with project software for fast 4D visualization of construction schedules for identifying risk and reducing waste as a result of better planning control.

Extending the value of an investment in both 3D design and project planning software, TimeLiner JS enhances understanding and collaboration for all stakeholders. The design, planning and construction teams can unite with a common focus on a single project model; relevant to everyone's responsibilities and of use to all to bring the project in on time, on budget through improved communication.

[NavisWorks JetStream Roamer + TimeLiner JS]

Those tasked to plan and manage the realization of design can use TimeLiner JS to gain detailed insight and simulate its successful execution. TimeLiner JS enables informed decision making to ensure timely delivery within budget and communication of how it will be achieved.

NavisWorks® JetStream NetWorker

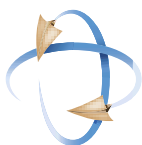
[Roamer JS installed on workstation &/or laptop to open native files and access additional plug-in functionality.]



[Publisher JS on a server allows the creation of compact, secure & streamable NavisWorks JetStream .nwd files for distribution & remote review.]

[Plug-ins offering additional functionality of Publisher JS, Presenter JS, Clash Detective JS & TimeLiner JS sit on the server together with Roamer JS if floating.]

N A V I S



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