DATA VALIDATION

naps

Simplify your workflow with Verifi3D

-

Verifi3D by Xinaps

The Challenge

High performing buildings should comply with a variety of regulations and requirements in their pre-construction phase. Some examples are requiring or forbidding certain objects, allowing enough free space between different elements by doing clash detection checks and performing quantification checks.

All these requirements are often designed, validated and executed by different teams or parts of teams involved in the project. Moreover, a significant part of the classification of building data and checking of building data is still performed manually, costing a lot of time and effort. The complexity of construction projects and the amount of parties involved increases the risk of inaccuracies and inefficiencies in the design building process. Some of them include miscalculations, time consuming processes, overlooking aspects of the projects or regulatory requirements and inability to quickly check the presence of objects. Model coordination is another major challenge as it is a very time consuming part of the workflow. These challenges lead to a rising demand for using Common Data Environments (CDE) and better model coordination between teams, as the industry is still lacking an integrated workflow and the ability to share building model issues real-time, with all team members in a fast and clear manner.

The Solution

We, at Xinaps, believe that the workflow of construction professionals can be optimized with the power of technology. We want to enhance the collaboration between designers and contractors and to help them utilize their resources fully. Our mission is to lead the transformation and digitalization of the AEC industry.

To achieve that, we developed an user-driven, easy to use Software as a Service (SaaS) solution that enables users to validate data, visualize models and report flaws real-time in the late design and pre-construction stage. As a cloud-based application, Verifi3D empowers customers with a set of options that can help them classify their input data, validate and visualize their building model, report possible flaws and share them real-time with the whole team.

Verifi3D allows professionals to create project templates to simplify the data validation process. These templates can be shared, amended and taken into other projects. The project administrator allocates project participants to projects and assigns them with roles and responsibilities within that project. The interaction between user access roles & templates simplify the data validation process. Verifi3D offers seamless integration with collaborative workflows, such as Autodesk BIM 360, BIMcollab and BIM Track. By supporting Common Data Environments (CDE), the solution brings together teams and enhances model coordination. Verifi3D enables customization of checks and validations according to specific project needs. The new integration with Autodesk Construction Cloud enables teams to manage the whole model coordination workflow including clash detection and issues management in a common data environment. Verifi3D can simplify existing workflows or become part of new technological ecosystems. Verifi3D is a flexible easy to use application, which can emancipate data validation within your projects.

Verifi3D enables project participants to identify and resolve clash and constructability issues. With Verifi3D's simplified workflow, general contractors and designers can now automate clash detection and model coordination. The integration between an existing collaborative workflow and a cloud-based model checker brings model coordination to the next level and brings all team members together at all times. The optimized connection between Verifi3D and Autodesk BIM 360 for example allows automation of checks, leaving time for BIM managers to focus on bigger construction issues.





CHARACTERISTICS

Workflow

What does Verifi3D do to enhance your workflow?

Verifi3D has not only a variety of features and options, but also a user-friendly, intuitive, customer-driven design and workflow. Checks and validations can be done in three simple steps - Classify, Validate, Report - which showcase the ease of the working process with our solution.

User Access Roles:

How does our approach simplify the data validation process?

Subscriptions:



Access roles: Company Administrators decide the approach to Data validation at a strategic level. Project Administrators decide the roles and responsibilities for data validation at a project level. General Users are free to classify, validate & report within their projects.

Functionalities:



Integrations: Seamless integration with collaborative workflows, such as Autodesk BIM 360, BIMCollab and BIM Track.



Cloud-based: Run the software on a web browser, without installing any software on local machines.



ModelSet(s): Verifi3d allows users to live sync with their project CDE's. Upload, check files in real time and share your workflows with other project participants.



Create rule sets: Customize Verifi3D to fit specific needs: create, import, and export custom rule sets and reuse them for other models.



Property check: Quickly isolate elements within your 3D viewer to begin validating data.



Clash detection: Clash detection identifies problems within existing models and prevents costly errors.

Compatible with:











Supports **Revit** and **IFC formats**.

Integrated with existing workflows such as: Autodesk BIM 360, Procore, BIM Track, BIMcollab.



Data validation: Validate project data to reduce rework on site and improve built outcomes.



Upload and import: Load models directly from Autodesk Revit with the Verifi3D plugin for Revit.



Reporting: Report issues to issue trackers such as Autodesk BIM 360, BIMCollab or BIM Track via a BCF file.



Quantities: Create Filters and FilterSets, take them into quantity takeoffs and check your work breakdown structure. You can also export quantity takeoffs to Excel.

up to



more effective workflow and less time spent on rework compared to other industry solutions.



of miscalculations and mistakes can be avoided by using tools like Verifi3D.



User-friendly interface: No training and no consultancy required.



About Xinaps

We believe in building better.

We believe that the design building process can be simplified and optimized with the power of technology. That's why we created Verifi3D, the spell checker for BIM models. Verifi3D simplifies the data validation process and enhances professionals' workflow – real time, in one platform.

Our clients play an active role in tailoring the features of our solution and therefore, we constantly strive to improve and to meet their needs and requirements. Hand in hand, we work hard on shaping an innovative model checking tool. Using our multiple years of construction tech software development experience we at Xinaps are preparing you for the next level of digitization. Together with you, the innovators in AEC, we would like to accelerate the adoption of smarter, more future-proof design methods and active collaboration in the built environment.

_xinaps

xinaps

fin

Let's build better together!

www.xinaps.com

Where to find us

www.verifi3d.com



f

Xinapssoftware