

A low-angle photograph of several modern skyscrapers with glass facades, reflecting the sky and surrounding buildings. The central building is the tallest and most prominent.

# How to enhance your Data Validation



# The Challenge

*Why do we want to change things?*

High performing buildings should comply with a variety of regulations and requirements in their pre-construction phase, such as maneuvering space for people with disabilities, easy access to fire exits from any point of the building, allowing, requiring or forbidding certain objects and allowing enough free space between different elements. All these requirements are often designed, validated and executed by different teams or parts of teams involved in the project.

The complexity of the project and the amount of parties involved can sometimes increase the risk of inaccuracies or inefficiencies in the design and build process.

Some of them include miscalculations, time consuming processes, overlooking aspects of the projects or regulatory requirements, inability to quickly check the presence of objects and inability to make changes and share them with the rest of team in a fast and clear manner.

# Our Solution

*How can we help you?*

We, at Xinaps, believe that the workflow of VDC professionals in the sphere can be optimized with the power of technology. We want to enhance the collaboration between architects, engineers, and constructors and to help you utilize your 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 solution that enables users to validate data, visualize models and report flaws real-time.

With its cloud-based structure, rule editor and clash detection, Verifi3D empowers you with a set of options that can help you classify your input data, validate and visualize your building model, report possible flaws and share them real-time with the whole team. Our solution helps you organize your data easier with its tagging system and categorize it according to your needs. With a few simple clicks, it also allows you to check firehose coverage, ensure that there is enough free space between objects and run simulations to find the shortest distance between two points in the model. It also offers seamless integration with Autodesk BIM 360 and other collaboration platforms.

Verifi3D enables you to customize your checks and validations according to your specific project needs, providing a smooth, efficient and flaw-proof design building process.

# Classify. Validate. Report.

*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, which showcase the ease of the working process with our solution.

They constitute the three “pillars” Verifi3D stands on:



## Full feature list

### Data validation



Check and resolve inconsistent data. Together with the geometric validation, Verifi3D offers a complete way to ensure the accuracy of your data.

### Clash box detection



Ensure that there is enough free space in each section of the building model and avoid clashing objects in the building model by using our clash box.

### Create rule sets



Use Verifi3D for your specific needs: create, import, and export your own rule sets.

### Pathfinding



Find the shortest path between two arbitrary points in the model

### Classification



Categorize different objects in the building model. Use this feature to organize the input data easier or as an output for reporting purposes.

### Firehose coverage



Check the firehose coverage for each section of the building model to ensure the safety of your building.

### Autodesk BIM 360 Integration



Seamless integration with the Autodesk BIM 360 docs file repository

### Tagging



Put tags and export different items on the building model to organize them easier.

### Scaled 2D plans



Create floorplans, detailed views and data schedules of the building model

### Reporting



Create, export and share reports real-time in different formats; output: classified data, parametric data & check results.

### BCF files support



Create BCF files to exchange feedback.

### Supporting RVT & IFC



Import your RVT and IFC files easily in Verifi3D.

### Web viewer



Run the software in your web browser, without installing the software on your local machine.

### Cloud-based



Facilitate collaboration, make changes and report flaws real-time.

**\* Monthly Subscription Model**



# About us

*Enabling design solutions for VDC professionals*



Founded in 2015, we are a forward-thinking team that creates smart model validation tools within design software. In 2016, Xinaps joined YES!Delft, the leading tech incubator in Europe. We believe that the design building process can be simplified and optimized with the power of technology. 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 innovative data validation tools. Using our previous experience in developing Revit solutions and our young, ambitious, multidisciplinary team's expertise, we aim to change the AEC industry for the better.

**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.**

## Where to find us



[www.xinaps.com](http://www.xinaps.com)



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