DATA VALIDATION

How to enhance your data validation?

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 buiding 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 in the sphere 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.
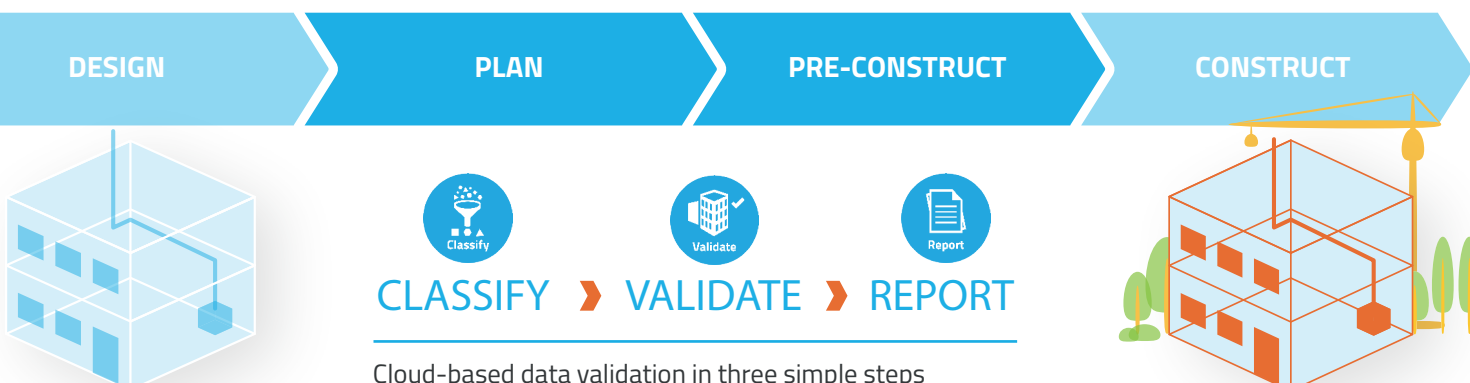
To achieve that, we developed an user-driven, easy to use Software as a Service (SaaS) solution that enables users to validate data, visualize models and report flaws real-time in the late design and pre-construction stage. With its cloud-based structure, rule editor and clash detection, Verifi3D empowers 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.

Our solution helps organizing data easier with its filtering system and categorize it according to specific needs. With a few simple clicks, it also allows hard clashing and running simulations to find the shortest distance between two points in the model.

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. General contractors and designers can now take advantage of their already existing workflows with the best of cloud-based class model coordination solution to improve the quality of BIM models.

Before a BIM model is ready for execution, Verifi3D enables engineers to identify and resolve clash and constructability issues. With Verifi3D's extensive feature set, 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.

| DESIGN | PLAN | PRE-CONSTRUCT | CONSTRUCT |

CLASSIFY ❯ VALIDATE ❯ REPORT

Cloud-based data validation in three simple steps

Verifi3D
by Xinaps

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

Subscriptions:

TOWN
Try me out!

CITY
€400 p.m.

METROPOLIS
Custom

Feature list:

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

Linked models: Check and validate multiple IFC and/or Revit files in one view. Ideal for model coordination.

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

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

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

Data validation: Classify data, check and resolve inconsistency. Improve building data quality.

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

Reporting: Create issues on the validation errors and send them to Autodesk BIM 360, BIMCollab or via a BCF file

Compabitle with:

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

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

up to
14x **more effective workflow** and less time spent on rework compared to other industry solutions, e.g. Navisworks, Solibri or Exce l. Benchmarked with pilot customer (Hazenberg Bouw).

40% of miscalculations and mistakes can be avoided by using tools like Verifi3D

User-friendly interface: No training and no consultancy required

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About Xinaps

Model checking solutions for construction professionals

Founded in 2015, we are a forward-thinking team that creates cloud-based 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