

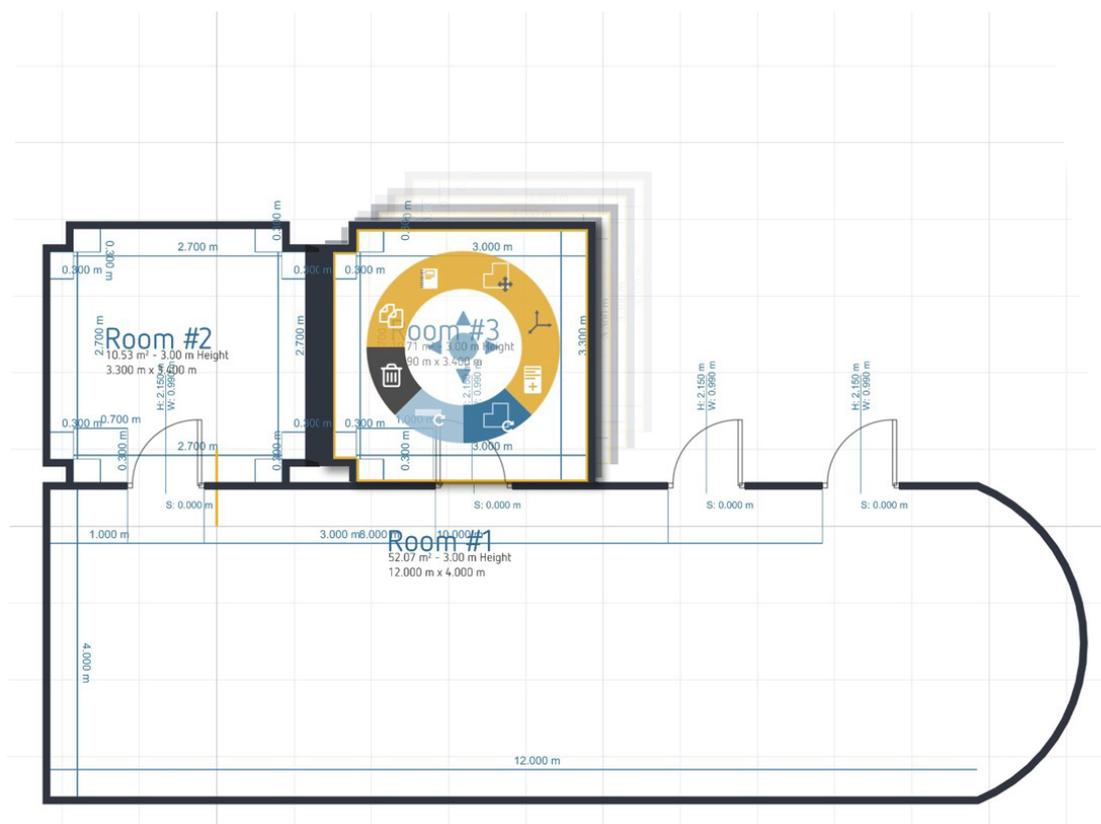
OrthoGraph 2.0 has arrived

OrthoGraph became a platform of mobile 3D floor plan survey and BIM model management

26 March 2018, Budapest, Hungary - A major change has been introduced with the newly released version of OrthoGraph.

Our professional building survey app grown up to be a platform of 3D floor plan survey and BIM model management on iOS and Android mobile devices. This new version contains many new and unique features in its mobile surveying functionality and a new web platform is also introduced that works strongly together with the mobile app. The two sides define a platform of surveying, 3D BIM model creation and management.

In addition to systems requiring up-to-date building data a new API bringing integrated enterprise functionality has been introduced. Systems like CAFM, CMMS and any kind of ERP systems require high-intensity graphical data processing right on-site, which is fully covered by the new platform of OrthoGraph. The system serves both on-site and in the office, the latter through the new 3D model viewer functionality.



What's new in the latest version of OrthoGraph?

1 Highly enhanced measurement workflows with movable locations and measurement tolerance

Until now, either by using the "Sketch&Tap" functionality, or drawing all the locations separately and then snapping them together, OrthoGraph users faced unexpected results when surveying non-conventional room shapes or creating complex floor plans.

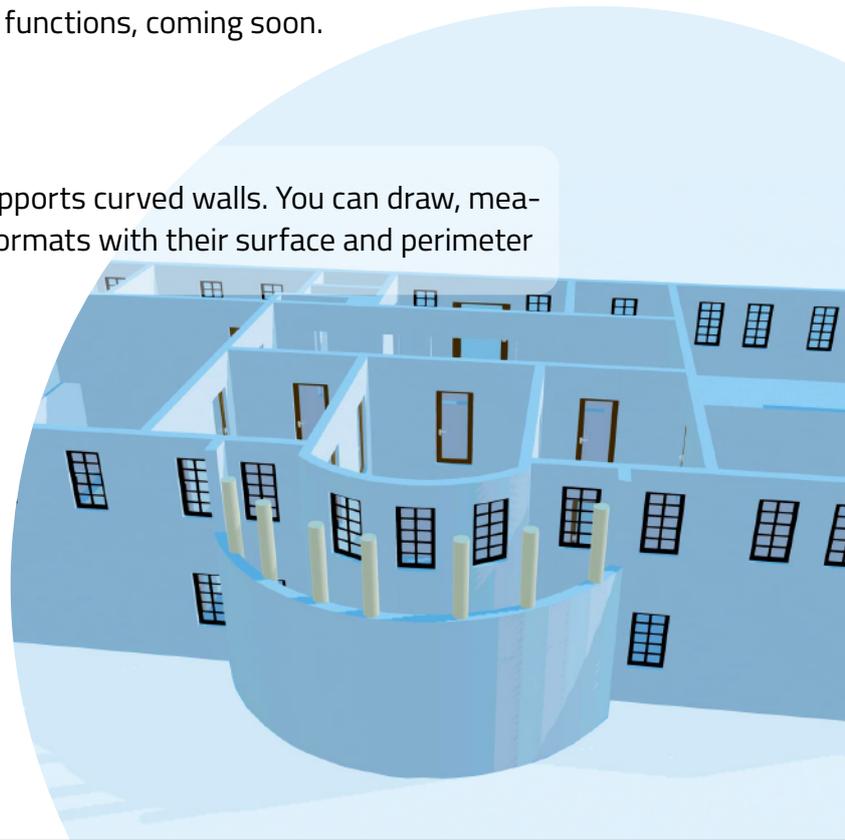
From now on OrthoGraph handles these situations by automatically prioritizing the proper parts of shapes at attaching difficult rooms too, sets the wall thicknesses automatically where it is necessary and keeps priority at the openings when they are used to attach the rooms to each-other.

When doing measurements on-site, it is unavoidable to make measurement mistakes. In release 2.0, OrthoGraph introduces the measurement tolerance at room alignment unrivaled in the market. OrthoGraph recognizes the expected room shapes and updates the distances to fit the required drawing while displaying the small changes to measured data as measurement tolerances drawn on the floor plan. This way keeping all acquired data, the displayed floor plan stays a manageable representation of reality.

This tolerance functionality is going to be further introduced in later versions of OrthoGraph with other functions, coming soon.

2 Curved walls

The new version of OrthoGraph supports curved walls. You can draw, measure and export these walls in all formats with their surface and perimeter data.



3 Highly reduced battery consumption

CAD applications do millions of calculations every second, but to convert all measurements into a well aligned floor plan needs even more work. This can reduce the battery life of the mobile device significantly. OrthoGraph has come up with a solution to reduce battery consumption without compromising performance and user experience.

4 3D object library has been extended with great new elements

Following a lot of requests from users, OrthoGraph's BIM object library got extended in the new version, but that is not all, an extensive catalogue of 2D symbol has been added. These symbols cover HVAC, Fire and Safety, Alarm and Security, Electrical and many more.

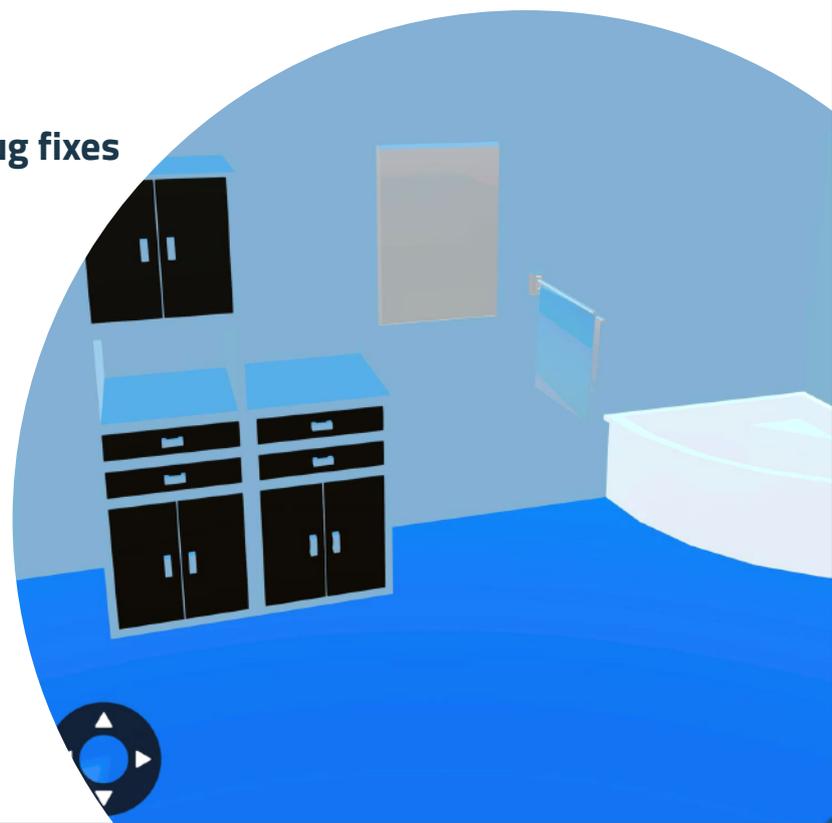
5 Revamped PDF export & optimizing of other formats

OrthoGraph exports to major CAD formats on-site. All of these export formats have been enhanced, based on our users' requests also including the new curved walls.

6 Simplified wall editing

The fan is one of OrthoGraph's unique tricks that make the floor plan creation comfortable on a tablet screen and even a smartphone screen became usable because of it. An 'add corner' feature has been added to the functions fan, making it very simple to change the outlook of walls and create even more complex shapes.

7 Many enhancements and bug fixes



Web functionality

– a new platform is born

The platform's purpose is not only to create the as-built BIM models, but also to serve as a display of graphical and alphanumeric data related to the elements, on-site and in the office. If the external system has a mobile app or a web application, then they can be connected to every OrthoGraph element with their relevant connection data. The same applies to the 3D web viewer of the OrthoGraph platform all with the data exchange integration opportunities.

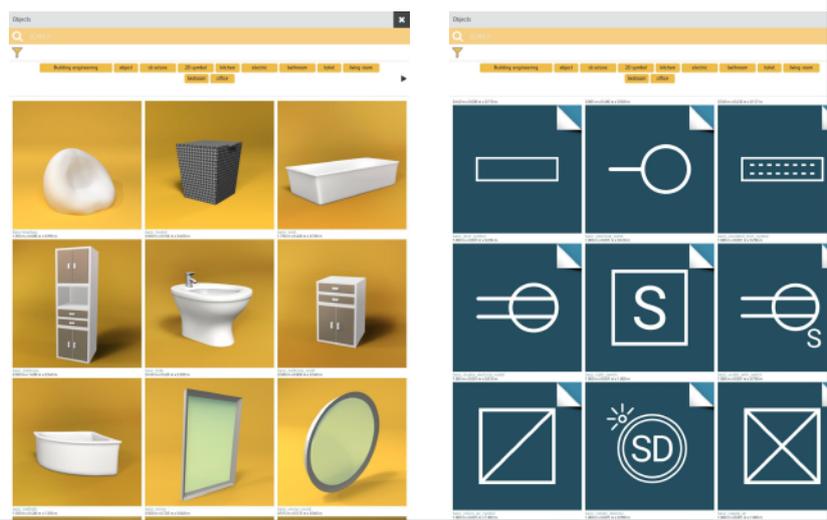
1 Real Estate Datasheet generated by the app and published in OrthoGraph Cloud with 3D model view integrated

Every OrthoGraph project that is uploaded to OrthoGraph Cloud gets automatically its Real Estate Data Sheet. The real estate data sheets list-out every important aspect of the surveyed property, including all calculated data (surface, volume etc.) and photos made on-site through OrthoGraph.

In addition, all projects have their 3D models displayed in the web browser. There is no need to install any extension or add-on. These models always represent the current synchronized state of a surveyed property.

2 3D web viewer

The web-based 3D OrthoGraph model viewer lets OrthoGraph users virtually walk around the surveyed BIM model without using a mobile device. Following the link created in the app, users can access the 3D view in their browsers where they can navigate through the rooms and stories. By selecting the elements their property sheets can be brought up with all the recorded data and attached photos. With the same simplicity, a reference link to the selected element can be created and used to look up the particular object in OrthoGraph on the mobile device or in another web browser e.g. by sending it in an e-mail.



Integration possibilities with external systems

OrthoGraph's database with all the alphanumeric data can be accessed by external systems. For this, developers need to be registered and signed up as an OrthoGraph development partner so that they can get a license to access the uploaded projects by their employees.

By accessing the OrthoGraph Cloud database the most recent surveyed data can be reached by external systems and if required, properties or data can be updated or added by them.

OrthoGraph's API can also be used to lookup a particular element either in the 3D web viewer or directly in the mobile app so that it is easily accessible and makes an integrated part of the external system's functionality.



Do you want to learn more?

Visit:

<https://www.orthograph.net/>

<https://www.youtube.com/user/akorbuly>

