

DESITE BIM 3.0.3

August, 11th 2022

Release Notes

IMPROVEMENTS & BUG FIXING:

● Imports

- DWG import: German umlauts are now displayed correctly again (affects layer name, text fields).
- When importing properties in csv file, 'Datatype' check box in UI now mentions about its compulsion if user wants to re-import the csv properties into DESITE.
- When importing an IFC file, a structure of (possibly nested) groups (IfcGroup) can now be created in the building structure as an option to the spatial structure. As an extension of partly existing, but only limited usable functionality, when exporting an IFC file with specification of a building structure, these groups can then be written as REAL classes IfcGroup, including PropertySets for these groups (properties defined at the group elements in the project repository).
- When importing CP2 and IFC files (here only for the class IfcAnnotation), a user-defined transformation was not applied correctly to text objects. In addition, cpCountVertices returned an incorrect result (0).
- Fixed a crash during CPIXML import that could occur only if the option "Keep Polygon Data" was set and invalid triangles were in the geometry description of the objects.

● Export

- IFC Export: The property "ObjectType" of the class IfcObject was sometimes incorrectly written as Enum instead of IfcLabel (Text).

● Geometry

- Measuring tool options: the selection of decimal places also affects angle, length and area values.

● Documents

- Problems with manually entered URLs or URLs converted from 2.8 have been fixed. Windows path separators (backslashes) will be converted to slashes.

● Issues and Viewpoints

- When pinning measure items to the current view, already existing pinned measure items are not removed (the new ones are added to the existing ones).
- Fixed a bug when writing a 3.0 project to a long file path (>260 characters).

● Activities

- An error in the automatic schedule calculation has been fixed and this has been aligned with MS Project.
- The time unit used in a relationship now takes into account the default calendar settings, the delay is interpreted as working time (net).
- The time unit of the MS Project attributes "TotalSlack" and "FreeSlack" (default: unit="min") can now be configured in the ConfigImport.mpp.xml file if needed.
- Fixed minor GUI bugs in the calendar widget (comment was not displayed when editing; view was not updated when a holiday was deleted).
- Automatic schedule update now also works for schedules exported from Asta Powerproject as XML file (MS Project XML interface in general).

● Bill of Quantity

- The property "DescriptionID" (if the ID of a description is available as Tag ID="...") now is created during import. This is persistent when exporting from iTWO and is needed to identify items uniquely, because the item ID always changes.

● Clash Detection

- Clash Detection: Added option "check planar overlaps" in order to better deal with "bad" (topologically incorrect triangle meshes, normal vectors pointing inwards) geometry and to avoid false positives.

- Improved inclusion calculation when using large tolerance values.
- **Model Checking**
 - Model check now reports all fails of checks inside a conditional check when the result is not calculated for the first time (= updated).
 - The options of a check run in the model check domain were not copied when copying the check run via drag & drop. This error has been fixed.
- **API**
 - The API method exportModel() no longer erroneously returns 1 (OK) as an error code when an IFC file is to be exported and the file name contains a non-existent path or is invalid.
 - Optimized oriented bounding boxes (OOBB/OOBBxy) created via API are now always saved with the project.
 - It was previously possible to create invalid point objects (<objectPoint>) with the API function createObjectFromXML(). This caused DESITE to crash when saving the project.
- **Tools**
 - When exporting version comparison results to Excel, the "Show WBS in first column" checkbox now has the expected function.
 - A small bug has been fixed. Composites are now (optionally) listed in NEW and DELETED objects.
- **Miscellaneous**
 - The log output path has been changed from the Application directory to documents\DESITE.
 - Small tooltips and GUI improvements for linking rules
 - Fixed saving and restoring of MSSQL project database connections.
 - Datasheet Widget: If many objects are selected (the limit of 25 elements is exceeded), the rendering of the geometric properties is now canceled again and the application is no more blocked for some time.