

# DESITE BIM 2.8.5

has been released today, 11th January 2022.

The installer will be available on DESITE BIM downloads.

# Release Notes

## IMPROVEMENTS & BUG FIXING:

### • All Domains

- Table columns configuration widget: The widget was not deleted and remained open even if DESITE md was closed.

### • Activities

- Calendar: Default schedule values (e.g hours per day, default start time) are now imported from MS Project (.mpp and .xml files) and exported to MS Project (.mpp files only).
- Domain Activities: New time unit 'week' added. The duration of a task is now calculated according to MS Project, taking into account the default values for working times (days and weeks).
- Time Schedules, Export to MS Project (\*.mpp): Constraints such as "Start no earlier than" are no longer set for automatically scheduled tasks.
- Time Schedules: The work is now calculated correctly if a duration lower than 1.0 was entered.
- MS Project Import (\*.mpp): The application will not be automatically closed after import if it was open before.

### • Process Components

- The task visualisations and -restrictions are now also imported and exported.

### • Geometry

- Saving Projects: If an internal project model file (.cp2) could not be written correctly, e.g. because the 2GB barrier was exceeded, an error message is now shown when saving the project (export as well). Note: Remedy is to switch off the compression of the file in the configuration of DESITE.
- LandXML Import: Fixed an error that the last section of the gradient of an alignment sometimes was not created.
- DWG import dialogue: The selection box for units and some check boxes were erroneously disabled by default.
- IFC Import: Fixed an issue concerning the orientation of (non-solid) surfaces.
- Transparency and textures are now displayed correctly for imported FBX models. Textures can also be optionally mirrored in case of incorrect definition. Automatic model update from FBX files now also works.

### • Types

- Formulas (=SUM, ...) were not be provided (but evaluated).

### • Clash Detection

- Geometry Check: The problem with the "unknown error" when checking the topology more than once has been fixed.
- The inclusion control and contact area calculation can now better handle faulty geometry (triangle meshes).

### • Model Checking

- Model Check (Pro): The post-processing step is now also executed for existing check results.
- Clash Detection / Model Check: Naming, thumbnail and description of the generated viewpoints has been corrected and improved. A color scheme is only created and assigned to the viewpoint if new materials have been set for the checked objects.

- When exporting rules in the model check, the selected rules are now exported, not erroneously always the first rule(s).
- **Issues and Viewpoints**
  - BCF Export: Fixed a problem with number accuracy of the camera view point for large coordinates (exponential notation is no longer used).
- **Properties**
  - Properties stored in the project repository were mistakenly not deleted when the associated elements were deleted.
  - The changes to property types are no longer lost when saving the project several times in a row.
  - Property GpsLocation: The string that was passed to `setProperty()` or that was entered via the GUI will now always be parsed correctly. Thousands Group separators are no longer allowed (English number format only).
  - Properties: Some write-protected properties ("OrdinalNumber", "CheckState") can no longer be edited or changed (GUI/API).
  - When deleting property types in the column configuration, the message "Property type cannot be removed from domain" was displayed incorrectly under certain circumstances, although the type was deleted. This error has been fixed.
- **Selection Sets**
  - Nesting of Containers in Selection Sets: Fixed a small bug on the generation of containers to selection sets per Drag&Drop. Now the containers nesting is maintained.
- **Import**
  - The selection box for units and some check boxes were erroneously disabled by default within the DWG import dialog, which is now fixed.
  - Compressed .cpixml files exported by Revit iTWO Plugin 2020 (and newer) can now be imported directly into DESITE.
  - Loading of sheet models made optional, unit detection and optional manipulation, autotranslation for GK/UTM coordinates, creation of faces for 3D objects (was missing).
- **Export**
  - CPIXML Export: The meta data tag "sourceFormat" now contains a value when the original model file was a DWFX. This seems to be important for the workflow with iTWO.
  - Viewpoint to BCF export: Fixed a problem with number accuracy of the camera view point for large coordinates (exponential notation is no longer used).
- **Tools**
  - Measure Handler: Distances will now be added to the total length.
- **API**
  - DESITE custom: The list of color schemes is now shown and updated correctly.
  - `desiteAPI.setProperty()`: No more Javascript objects or arrays can be passed as values by mistake.
  - `desiteAPI.getStationOfProjectedPoint()`: If the last segment of an axis was a straight line segment, the station at the end point was incorrectly returned instead of the station of the projected point.
  - DESITE API: Fixed documentation for `desiteAPI.setHandlerMode()`. Added missing handler mode 'clipping' to `desiteAPI.setHandlerMode(..)` and `desiteAPI.getHandlerMode()`.
  - It is now possible to create SmartSets with the existing API-method `createSelectionsSets()`.
  - The API methods `evaluateFormula()` and `prepareJsCode()` now work correctly.
  - The validity checking of domain combinations in API commands has been improved. For example, "boqa" is now recognized as invalid.
  - The function `desiteAPI.updateSmartSets()` now returns the number of updated Smart Sets. Also, no longer a message box with a warning that interrupts a script is shown if no smart sets are available.

## ● Miscellaneous

- Link-Rules: The property 'cpLinkRuleValue' will now be calculated correctly if a property with a formula is referenced.
- DESITE custom: Fixed a crash when saving an empty project.
- DESITE share / share pro: Formulas in property values are now evaluated even if a project was opened by double-click or drag&drop.
- Project Archives: Fixed a bug that project archives (.cpa/.czip) could not be extracted if the extension of the contained project file (.pfs) was written in capital letters.
- DESITE custom: The state of the sidebar will now be saved and restored. Note: Settings from file Config.CUSTOM.xml still have priority.

Best regards

**DESITE BIM TEAM**