

DESITE BIM 3.0

Preliminary release note for release candidate (2022-03-04)

Release Notes

New FEATURES:

- **New issue domain**
 - Integrated management of issues and viewpoints.
 - Export / Import of BCF 2.1 and 3.0 format.
- **Embedded browser**
 - New Chromium browser is now embedded with DESITE BIM to expand customization capabilities of DESITE BIM. This will require adjustments on existing web forms.
 - Further information provided in the [migration guide](#).
- **Model Checking**
 - Set of predefined model checking rules based on standards
 - Possibility to adjust model checking without programming. The "simple attribute check" has been integrated into the model check and extended by conditional check rules.
 - It is possible to import and export templates with check rules as CSV file.

IMPROVEMENTS & BUG FIXING:

- **Import**
 - `importBCF()` now returns IDs of imported objects, to improve post-processing.
- **Tools**
 - Camera movements along a reference axis and direct jumping to a station are now possible. Clipping planes can be generated automatically at stations.
- **Properties**
 - Formulas are now evaluated according to the data type of the property.
- **Web Forms**
 - TP CDE connector updated for DESITE BIM 3.0. Latest download found [here](#).
- **Issues and Viewpoints**
 - Viewpoint preview thumbnails can be configured in size or switches off entirely (to save space in the objects tree).
- **All Domains**
 - Improved data entry in the tree structures. An entered value will now be set to all additionally selected cells.
 - The linking rules have been extended with additional features. Instead of an exact match, regular expressions (regex) and wildcards (*, ?) can now be used. An option (analogous to the selection sets) can be used to set how composites, openings or cut parts are to be taken into account when linking.
 - The performance when linking objects automatically was improved in some cases.
- **Geometry**
 - Redundant property "cpCountObjects" removed. Returns the same result as "cpCountLinkedObjects".

- **API**

- The API functions `propertyScriptClearCache()` and `propertyScriptClearCache (QString domain, QString pname, QString datatype)` have been merged. The parameters are empty by default.
- An object-based auto-completion for all existing DESITE API commands is now available in script widgets (tools, properties, checks).
- New API commands implemented to create and run check runs (clash detection and model check).

- **Miscellaneous**

- New archive format `.czip` for saving projects introduced to replace the old archive format `.cpa`. This removes the limitation of the maximum file size to 2 GB.
- The configuration options for the clash detection, model check and time schedule synchronization have been moved from the details widgets to own dock widgets. The Details widgets now work like in all other domains.
- New command line switch for showing specific widgets on startup. See command line documentation for more details.