

### 2018.2.1.12545 2019-08-12

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#### Improvements

- Czech translations has been added.

#### Error rectification

- When importing LogiKal elements, the message "Project in LogiKal is not available" was occasionally displayed. This problem is now fixed.
- Sporadic crashes related to AutoCAD 2020 and vertical products no longer occur with this release.

### 2018.2.0.11903 2019-05-16

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#### Improvements

- Operability implemented on AutoCAD / Architecture / Advance Steel / Mechanical 2020.
- Sharing rod-shaped projections (2D+) is now possible with the "Break Objects" command.
- The "Change Bar Direction" command is now also applicable to ATHENA 2D bars.
- Further improvements have been made to the LogiKal interface.

#### Error rectification

- Under certain circumstances, surfaces in the 3D model (and thus in the SAT file) used to disappear on sheets created with the sheet metal working module. This would happen as soon as distances were specified at the folds. This problem has been fixed.
- Infills: As the sheets are laid, they can be further processed in the sheet metal module. However, this has occasionally resulted in an incorrect implementation. This no longer occurs.
- Previewing saved favorites in the "Sheet Metal Section" command was partially not equivalent to the actual configured sheet metal section. This problem has been fixed.
- The option of terminating a program when creating an assembly list of standard parts by means of a project browser is no longer possible.
- The representation of bar assemblies (as a solid or as a 2D cut) is now correctly implemented if a layer other than "0" is current.
- There was an incorrect BOM issue in certain cases of glazing profile variants. This problem has been fixed.
- When applying the tagging function of bars during processing, two parts would be identified as identical even though they differed due to the processing. The tolerance of the identical parts identification function has now been optimized and it is possible to detect differences in such cases.
- Insertion points for mirrored free semi-finished products are now correctly changed when switching using "Shift + Ctrl" during insertion.
- Individual heavy-duty Fischer anchor fasteners / steel anchors are now inserted correctly.

- Fittings with standard parts in the unit inches were occasionally incorrectly scaled during insertion. This is no longer the case.
- Incorrect clamping length is now adjusted for individual blind rivet nuts.
- Some adjustments have been implemented on the interface to ERPlus.
- Various translation inconsistencies have been corrected.

### 2018.1.0.11150 2019-03-26

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#### Improvements

- English, French, Spanish, Italian, Dutch, Polish, Russian and Chinese translations have been added.
- In terms of standard parts, the PMJ screw product line has been updated.
- In terms of standard parts, DIN 923 flathead screws have been added.
- In the *sheet cross-section* dialog box, the default material of aluminum has been changed to the bendable AIMg alloy.
- When assigning processes, the selected bars are now illuminated.
- Improvement in "Apply Arrangement": New arrangements can now be assigned more easily.
- Identical parts identification can now work on 2D bar projections as well.
- The system variable OSMODE is no longer affected when canceling the *View Zoom Window* command.
- Markers for viewports used to be created on layer 0. A default layer is now used for that.
- The subsequent customization of associative viewports has been improved so that the displayed areas no longer move.
- There is a new command to create cuts using a LogiKal element: Element section LogiKal (ath\_logi\_cs).
- Further improvements have been made to the LogiKal interface.

#### Error rectification

- Spelling errors in layer names have been corrected.
- Various help links could not be found or led to wrong topics. This has been improved.

- In rare cases, some drawings could only be saved after deactivating ATHENA objects. The message "One or more objects cannot be saved in the specified format" would appear. This problem has been fixed and the drawings can now be saved as usual.
- For hidden objects, the object snap used to result in unexpected snap points in some situations. This problem has been fixed.
- ATHENA objects that were hidden in dynamic blocks with visibility status used to be displayed when deactivating ATHENA objects. This problem has been fixed.
- Blocks contained in other blocks used to be ignored when selected with the Rotate and Hidden Display function. They were not visible in the rotated version. This is no longer the case.
- The *Rotate and Hidden Display* command used to ignore nested blocks. This has been corrected.
- In load-case structural analysis, buckling calculations did not fulfill the design criteria for strong profiles, while they were fulfilled for more obvious and weaker profiles. This happened because the method was based on Euler's calculation which is only designed for certain profile sizes. The error no longer occurs. Instead, the message "The criteria for Euler method are not fulfilled!" would appear.
- In the standard parts dialog box, some of the links of manufacturer parts were inactive. This has been corrected.
- For bolting, the base points for 3D inserts and 2D side views were different. This has been corrected so that the same base point for 3D inserts can now be used for the 2D side views.
- Under certain circumstances, the semi-finished products dialog box used to crash. The problem has been fixed and the crash no longer occurs.
- In some cases, crashes used to occur when assigning an item number for cuts within the drilling dialog box. This problem has been fixed.
- The *Set Text Language* command can also be used to change the language of ATHENA tables (parts lists).
- Under some circumstances, the *Guides to Text* command provided unexpected results. This problem has been solved.
- Labels of welds did not update after making changes to the weld. This is working properly again.
- Occasionally, captions from previous versions of ATHENA used to move after deactivating and reactivating ATHENA objects. This behavior no longer occurs.
- Diameter of holes in blocks could not be measured. This problem has been fixed.
- ATHENA objects contained in blocks could not be labeled. This is now possible.
- There were a few labeling problems with the *Project 3D Model* function. This problem has been corrected.
- It was not possible to copy elevations to the clipboard if there was no arrow or dot in the dimension style. This problem has been fixed.
- Previously, when the dimension texts were overwritten with numbers, it would lead to wrong results when *customizing length*. This has been corrected so that the message "object is unsuitable" appears for unusable objects.

- In the project browser, the creation of partial orders with the same name was prevented. The names of partial orders must now be unique.
- In the project browser, items with missing information are marked with exclamation marks. These items used to be displayed with a negative length in the parts list. This has been corrected so that these items are no longer displayed in the list.
- In the project browser, it was only possible to delete partial orders if they were empty. That has been improved. If a partial order containing items or other elements is deleted, a confirmation prompt will now appear.
- It used to be impossible to delete entered zero values in the dialog box when creating a free position in the project browser. It is now possible to do so.
- Under certain circumstances, item numbers used to be assigned twice in the project browser. This problem has been fixed and duplicate item numbers are no longer available.
- Previously, if the project browser was fixed to the side, you could not hide or display it automatically. It is now possible to do so.
  
- Projections of 2D views did not use to project existing edits. This is now working.
- Mirroring cropped 2D bar projections used to provide unexpected results. This problem has been fixed.
- With regard to 2D projections with different edits, tagging (identical part identification) used to be combined in some cases. This problem has been fixed.
  
- Minor errors in the list display of bars have been corrected.
- In the *Infill List* dialog box, the article name was not displayed correctly for elements in the grid layout. The error has been fixed.
- Some edit functions in extracts of 2D bar projections used to shift. This problem has been solved.
- In some cases, long holes were not displayed in extracts of rods. This problem has been solved.
  
- When displaying NCW by an identifier (day), identical parts can now be combined and labeled with the identifier.
- The input of the thickness in the *grid division* command did not use to be accepted. This has been fixed.
- When applying fills in elliptical form, there were bugs that have been corrected.
  
- In certain situations, the triangular drive handle on bars used to be shown on the wrong side. This has been corrected.
- Assignments of arrangements to the surface angle-dependent bar assemblies used to result in errors. These errors have been fixed.
  
- In the *appearance modes* dialog box, the default for layer presets have been adjusted. Now the layers are used for solids.

- A copy of a copy created using the “copy analyzed axis model” routine used to provide incorrect results. This no longer occurs.
- When working on sheet processing, some corners could not be selected in some situations for joint formation. This problem has been fixed.
- When working on sheet processing, no machining could be applied when a bend is attached laterally to a fold. This problem has been fixed.
- Sheet processing: Drilling did not use to be displayed during processing. This problem has been fixed.
- When working on the cross sections of profile sheets, the distance could not be changed while editing. The input value used to be ignored as well. This problem has been fixed and distances can now be edited.
- In some situations, component shifts occurred in cuts made through LogiKal elements. This has been fixed.