

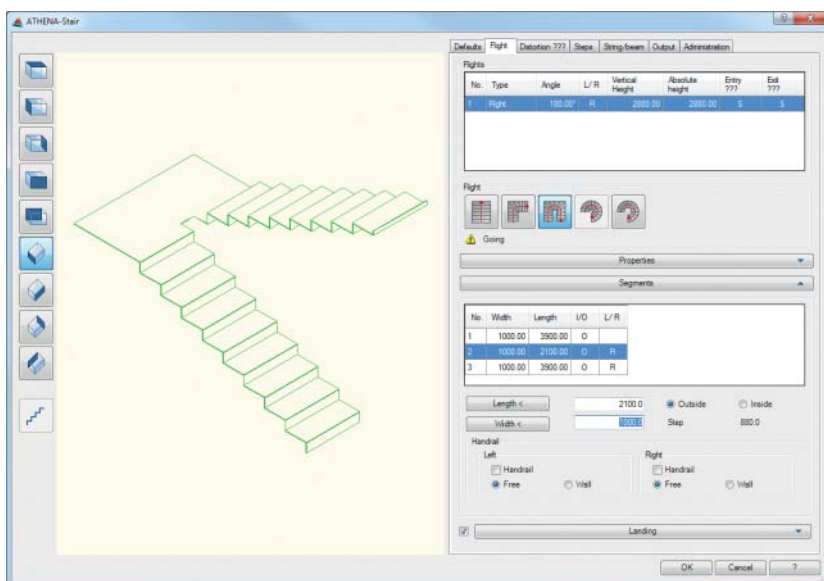
ATHENA²⁰¹³

New functions, new possibilities – an upgrade that is well worth it



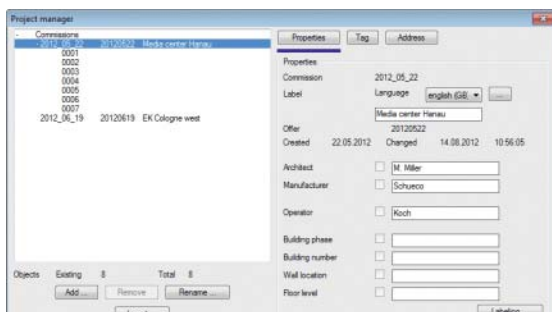
More productive than ever in a new round.

The upgrade to ATHENA 2013 offers many frequently desired new functions for the professional user. A particular noteworthy feature is the tagging functionality even for the most complicated 3D profiles and the resulting compact output of production documentation. Another highlight is the new module for the 3D design of stairways.



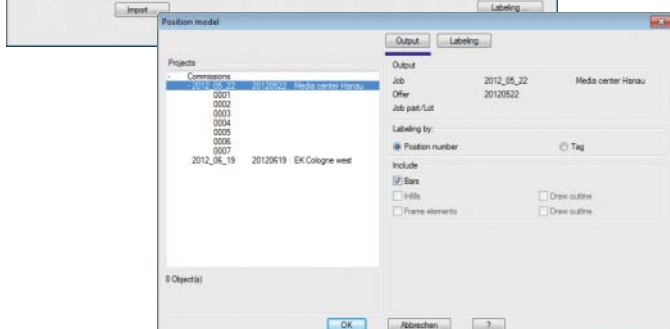
Stair

The „Stair“ module facilitates the design of a stair in 3D and the subsequent output. The output can be provided both in 2D and in 3D and comprises the plan, pitch line, stringers and steps. No further stair software is needed for the design of stairs!



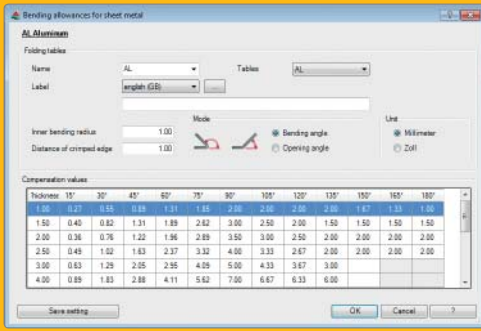
Project management

A new addition is the project manager in which jobs and job parts can be created and managed. Bars, infills and element elevations can be assigned tags related to the job and job part. They are then included in the output as 3D position models (assembly drawing). These tags also facilitate the output according to the job and job part. The job structure is compatible with the ATHENA/LogiKal interface and imported LogiKal elements are therefore integrated into the ATHENA job management.



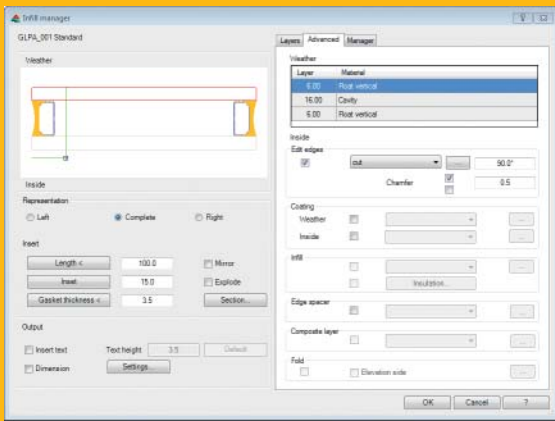
Tagging

Complementary to the new project management, tagging is employed which assigns the same label even to complicated parts of a 3D design if they are the same. In the parts list the number of the relevant parts is simply incremented. This ensures clearer and more compact production documentation.



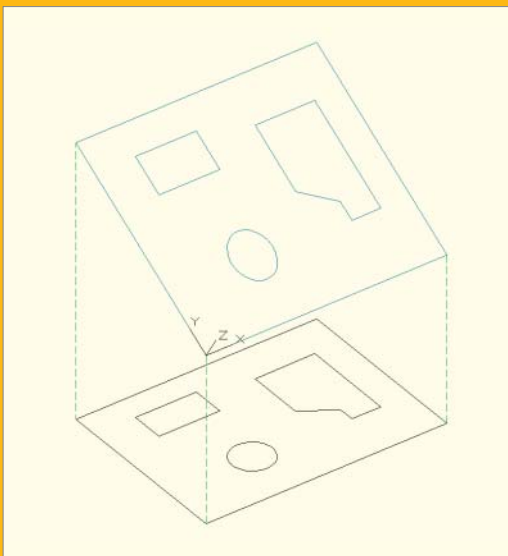
Sheet development

The bending values of sheet, depending on the material, thickness, fold angle and folding stamp or blank, are no longer calculated using clearance dimensions, but instead using frame dimensions with corresponding reduced dimensions. For example, the measurement of the folds on a test sheet can be substantially simplified. Existing fold tables are converted into the new format.



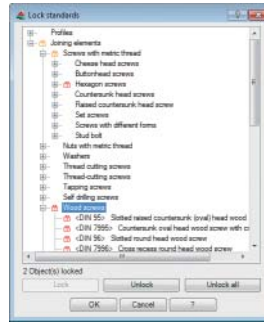
Infills

For infills (glazing or panels) chamfers can now be defined on one side for each layer.



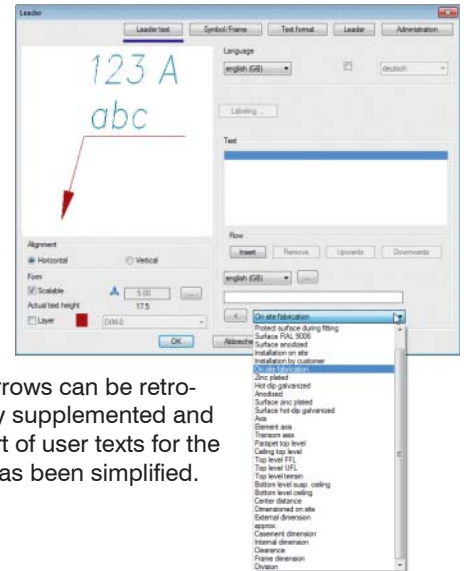
Projection of outlines onto a surface in space

Even drawn outlines can be projected into a surface in space by specifying three points, e.g. a roof surface. A grid can then be inserted into these surfaces, e.g. with grid division. This routine is, for example, very interesting for layout plans.



Locking of standard parts

Individual standard parts or complete standard part groups can be now locked and excluded for a project. This new function facilitates creating the company's own "company standard" which makes available only specific standard parts.



Leader

Leader arrows can be retrospectively supplemented and the import of user texts for the leaders has been simplified.

Further new features

- ATHENA objects (panes, profiles, glasses, etc.) can now not only be imported via libraries, but also from other DWGs.
- The standard parts library has been expanded with split plugs, MAGE screws and Powers screws and plugs.
- The automatic import of ATHENA layers and materials from older ATHENA versions is now possible and in this way simplifies the upgrade process.
- The ATHENA "Facade elevation" has been expanded; it can now accept ATHENA's own or LogiKal profiles.
- The 3D position model (assembly drawing) now also offers the possibility of outputting the individual profiles or infills – along with the position number – also with additional data such as tag, job, job part, quantity, etc.
- And much more.

System requirements for working with ATHENA 2013

- AutoCAD 2008 - 2013
- AutoCAD Architecture 2008 - 2013
- AutoCAD Mechanical 2008 - 2013

Operating system:

Windows XP prof., Windows Vista, Windows 7

Hardware:

ATHENA requires the same hardware configuration as AutoCAD.

AutoCAD - Registered trademark of Autodesk Inc.
Windows (XP, Vista, 7) - Registered trademark of Microsoft Inc.
LogiKal - Registered trademark of Orgadata AG

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