

MonuMap 6 – What's new?

The performance and ergonomics have been improved for the new version 6 of MonuMap, the kubit software for damage and feature mapping and measure planning. The following improvements seem to be the most important to us and will therefore be described in detail:

- Compatibility
 - to the Microsoft Vista operating system
 - to AutoCAD 2010 and AutoCAD LT 2010
 - to the 64-bit operating systems
- area functionality like you haven't seen it before
 - simplified handling for the area class definition
 - simplified area recording and clearly arranged display
 - new automatic calculation attributes, e.g. for stone width and stone length
 - copying of class and attribute definitions
 - new visualization style 'Label'
- fastest possible object recording
 - fast recording – recording of objects via a tool menu
 - mass updates by import of CSV tables
 - search for unclear attribute values
 - runtime improvement for large plans with hundreds of objects

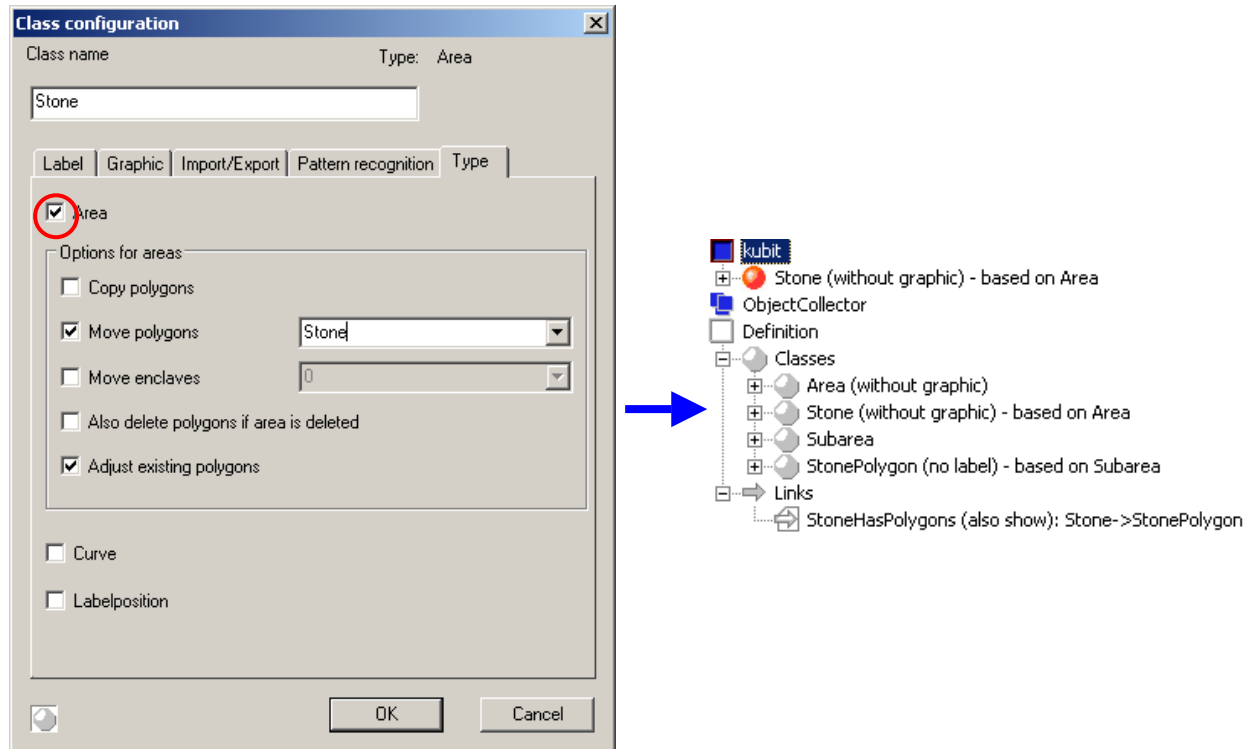
Compatibility to AutoCAD 2010 and AutoCAD LT 2010 as well as to 64 bit operating systems

The current version is compatible to the 64 bit versions of the Microsoft Windows Vista and XP operating systems. The new AutoCAD 2010 and AutoCAD LT 2010 as well as all AutoCAD 2010 verticals, such as AutoCAD Architecture 2010 or AutoCAD Civil 3D 2010 are supported. HylasFM 6 may also be embedded into previous AutoCAD versions (AutoCAD/LT 2007-2009). We are happy to provide a previous install if MonuMap is to be used with a version older than AutoCAD 2007.

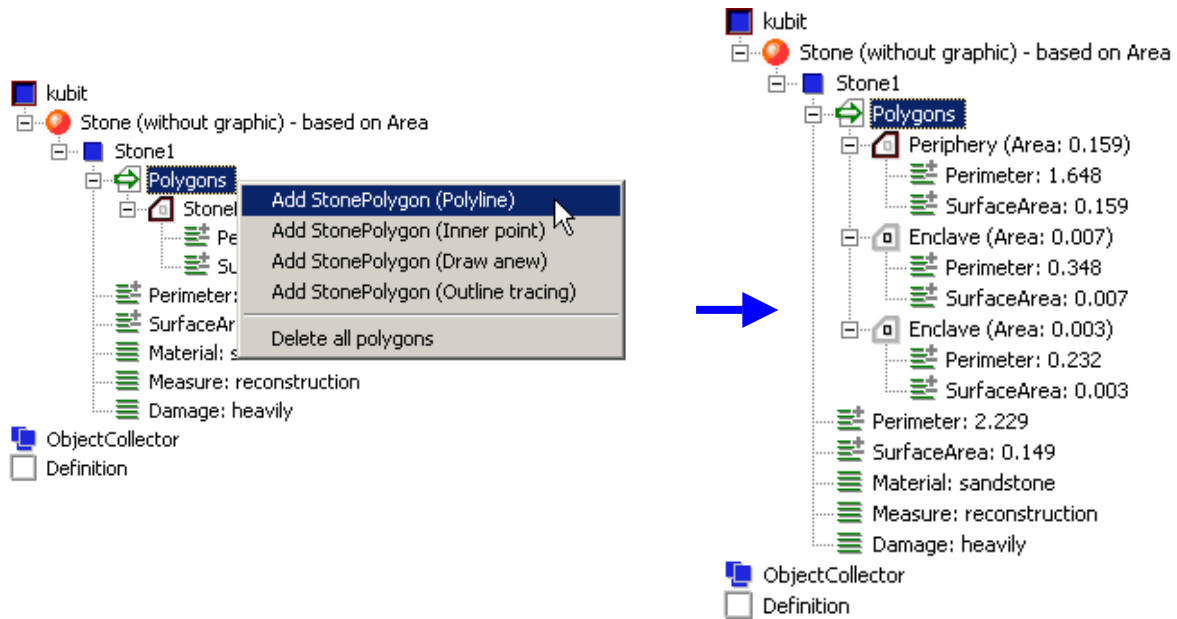
Area functionality like you haven't seen it before

The recording and evaluation of area objects (stones, damages, measures, etc.) is a central part of the work with MonuMap.

The work procedure for such cases has completely been revised. The creation of an area class has been simplified extremely. Just by one click the user can have the program generate the needed classes, links and configurations.



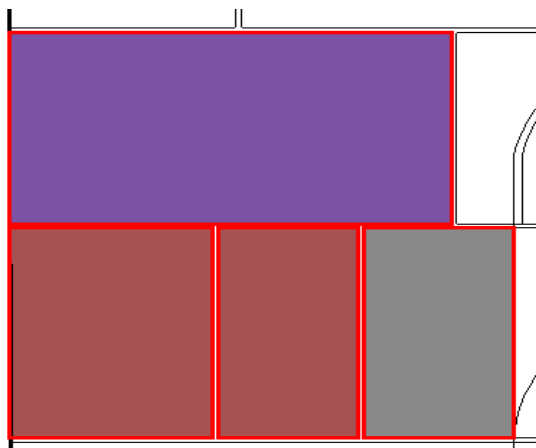
The display of the area objects within the mapping view is also completely new. It consists of periphery polygons (e.g. damages) and enclaves (e.g. other types of damage). It is now possible to add several polygons to an already existing damage in one single step. Other materials or damages – in terms of MonuMap "enclaves" – will automatically be recognized and may be moved to a special enclave layer.



The contours of areas are constantly monitored. The classifications of the polygons into periphery or enclaves are easily captured and the connected calculation of the surface area is constantly updated for accuracy.

New Attributes

Two interesting new area attributes are the *edge lengths of the bounding boxes*. One case of application is the determination of the stone length and width which have to be determined for quantity. The calculations can be completely automated by the use of both of the new attributes together with the very powerful calculation attributes.



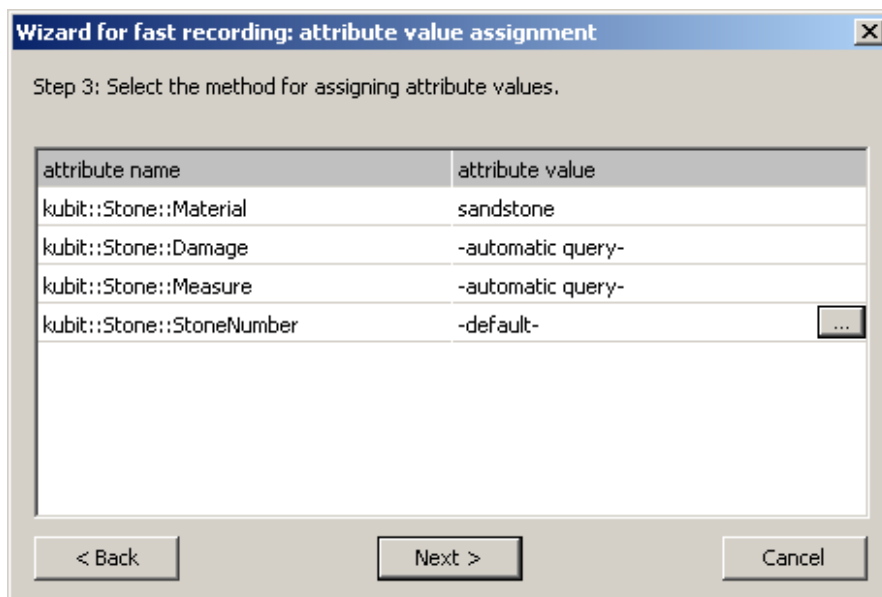
Fastest possible object recording

You do not like to use the mapping view to record the most common objects since it is hard going? The newly developed *fast recording* enables the execution of a

complete command sequence by just pushing one button. If you have, for example, to record 50 stones, with consecutive numbers and materials sandstone or granite, you can now do this with the new MonuMap as described in the following: Just click the wanted command within the fast recording window and the command for the generation of an object including the attribute selection will be executed. If 20 stones have to be drawn newly, whereas the remaining can be determined by the "Inner point" method, the following entries will be displayed within the fast recording window:



If you need further commands, MonuMap offers an assistant that helps, to generate the new command from the mapping view. In the following one step from the assistant will be described. It determines the attribute assignment for the future stone. The stone is to contain the value sandstone for material, the stone number will automatically be increased, as it has been defined within the mapping definition and the damage and measure will be prompted when generating the stone object.



The commands can easily be generated by the assistant and will be registered in AutoCAD. Hence it is possible to assign your own buttons for often used command sequences.

Further improvements

If you have always wanted to just click the mouse over the polyline of a damage in order to open the according position within the mapping view, you will be happy to learn that this is now possible with MonuMap 6. The search for the subarea label for large polygons is not applicable.

By help of the new import of data from a CSV file on class level you may now execute mass updates for completely recorded drawings. If you have, for example, selected the wrong reference point for the height of the windows, it is now possible to export all window objects to Excel, add up the difference height and import it into MonuMap again. That way you update the heights.

On request of many of our users we have implemented a command for the search of unclear attributes (yellow question mark). The command helps to detect attributes that have not been confirmed explicitly by the user during recording. That may be the case, when copying objects or if the attribute query is aborted early by pressing the [OK] button.

If, during the copying of objects from other drawings, an automatic change of the attribute value became necessary, e.g. because the attribute is not included in the select list (enum) or otherwise a key characteristic will be broken, a red question mark will be displayed. These attributes can as well be found with the new command.

A lot of work has been put into the runtime improvement of the new MonuMap version, so there will be noticeable speedup when working with very many objects.

A user friendly feature for the originator of mapping definitions is the possibility to copy class and attribute definitions with or without visualization definition. By doing so, the, sometimes extensive redefinition of attributes and their visualizations can be sped up significantly.

Keys for the direct changing of the order of classes and attributes have been inserted into the sorting windows. Therefore the sorting of the entries within the mapping view is now much easier.

In addition to the already existing visualization styles for class attributes (block, hatching, line) we included the new style 'Label' as our customers desired. Therewith now the color and the layout of an objects label can be used to visualize different attribute values.

How to test MonuMap 6?

Users of any previous version of MonuMap may install and test without obligation in 20 AutoCAD sessions. We are pleased to forward an offer for the update of your current version. Users with a service contract will receive the new version free of charge.

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