

Release Notes

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To: TMS Solution & Amberg Geotechnics
 Distribution Partners / Customers

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Amberg Geotechnics Release 2.2.0.2 and TMS Applications 4.09

Dear Amberg Geotechnics/TMS Solution User,

We would like to inform you that new versions of Amberg Geotechnics and TMS Applications were released. Please find the details about the new features, changes and their benefits below.

Customers with valid maintenance and support contracts can download the latest software release from <http://www.ambergtechnologies.ch/downloads/tunnel-surveying-tms/sw-descriptions/>. If you don't have an active Support contract you can contact Amberg Technologies AG (support.tunnel@amberg.ch) or your local dealer.

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1. Amberg Geotechnics Release 2.2.0.2

1.1. General

Amberg Geotechnics supports Microsoft Windows 8

Amberg Geotechnics supports the new Microsoft Windows 8 operating system. The Amberg Software and all used third party software are supported with Windows 8.



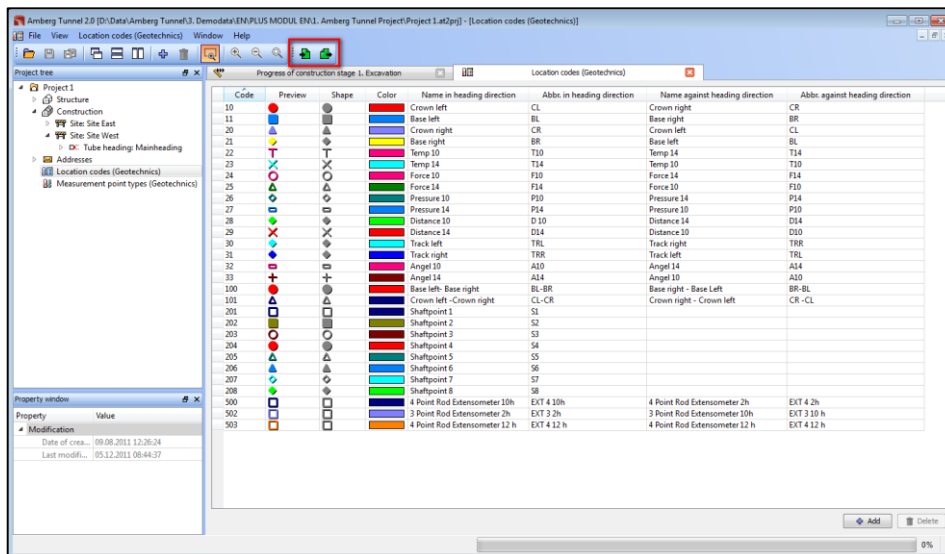
Screenshot 1 Microsoft Windows 8 Home screen with Amberg Tunnel icon

1.2. New Feature: Export and import of location codes.

Export and import of location codes for an easy exchange of project data

With the new Amberg Geotechnics version it is possible to export the location codes of an existing project. An XML-file with all information about the location codes is stored and can be loaded to another Amberg Geotechnics project.

To use this feature press the export button in an existing project and store the file. Press the import button to load the location codes in another project.



Screenshot 2: New export and import of location codes

Benefits for you

With this new feature you can:

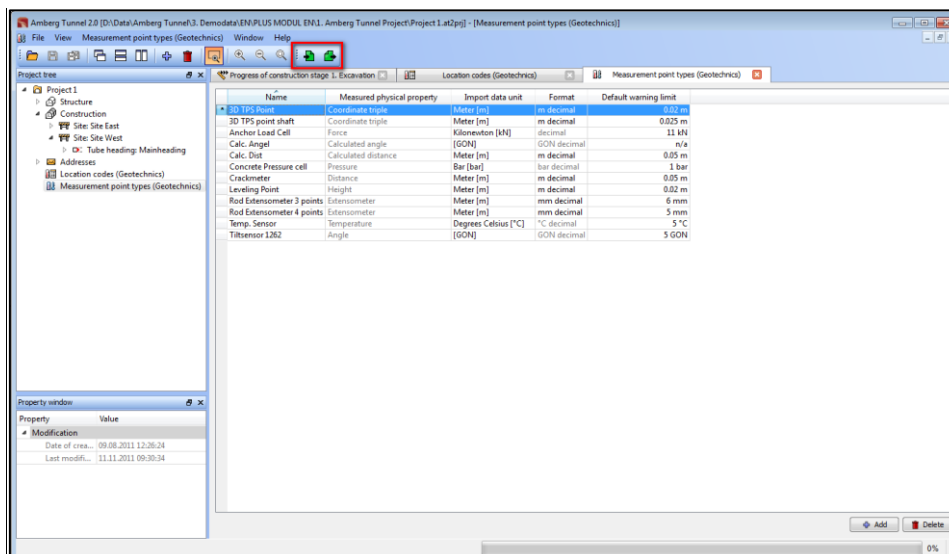
- Create a new project with the same location codes in a faster and more comfortable way
- Use existing location codes as your company standard for a new project without manually input

1.3. New Feature: Export and import of measurement point types

Export and Import of measurement point types for an easy exchange of project data

With the new Amberg Geotechnics version it is possible to export the measurement point types of an existing project. An XML-file with all information about the measurement point types is stored and can be loaded to another Amberg Geotechnics project.

To use this feature press the export button in an existing project and store the file. Press the import button to load the location codes in another project.



Screenshot 3 New export and import of measurement point types

Benefits for you

With this new feature you can:

- Create a new project with the same point types in a faster and more comfortable way
- Use existing point types as your company standard for a new project without manually input.

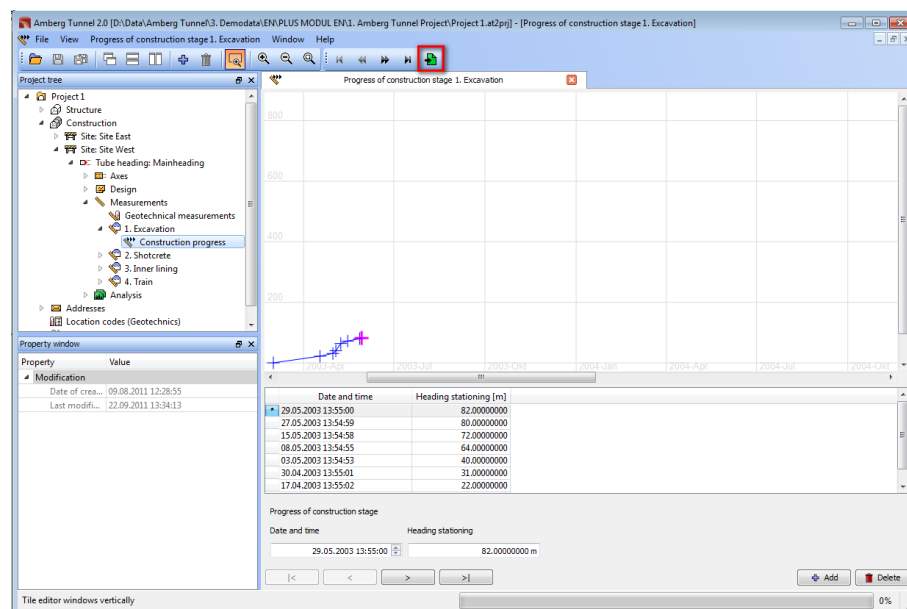
1.4. New Feature: Flexible Import to construction progress

Flexible ASCII import to construction progress editor

With this new feature it is now possible to use virtually any format of text files as input for the construction progress.

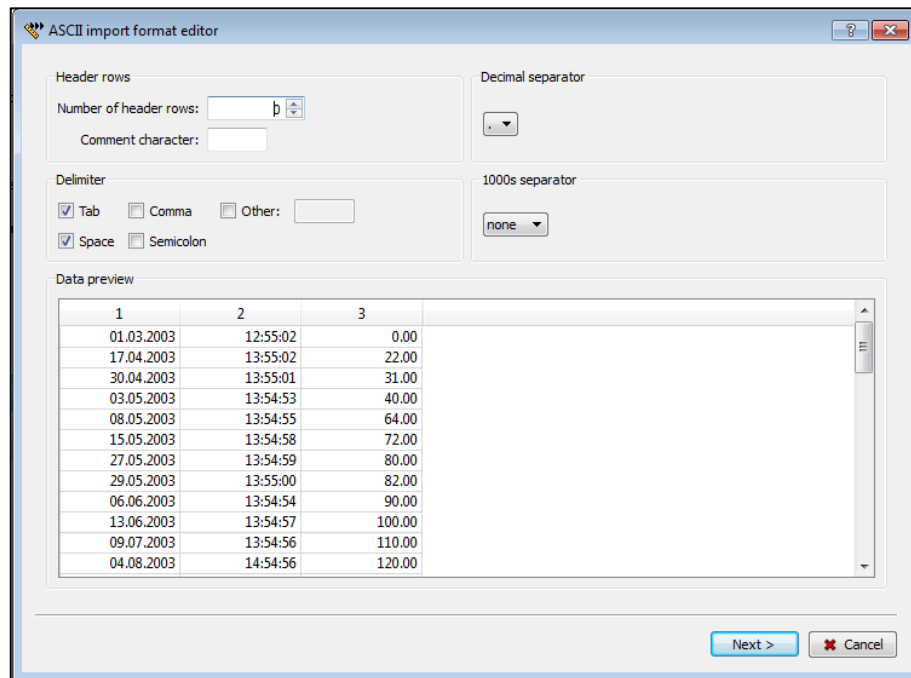
Once specified, the import format is stored as part of the project and can be used later for the import of similar files to the construction progress unchanged.

The following screenshots illustrate the new feature:



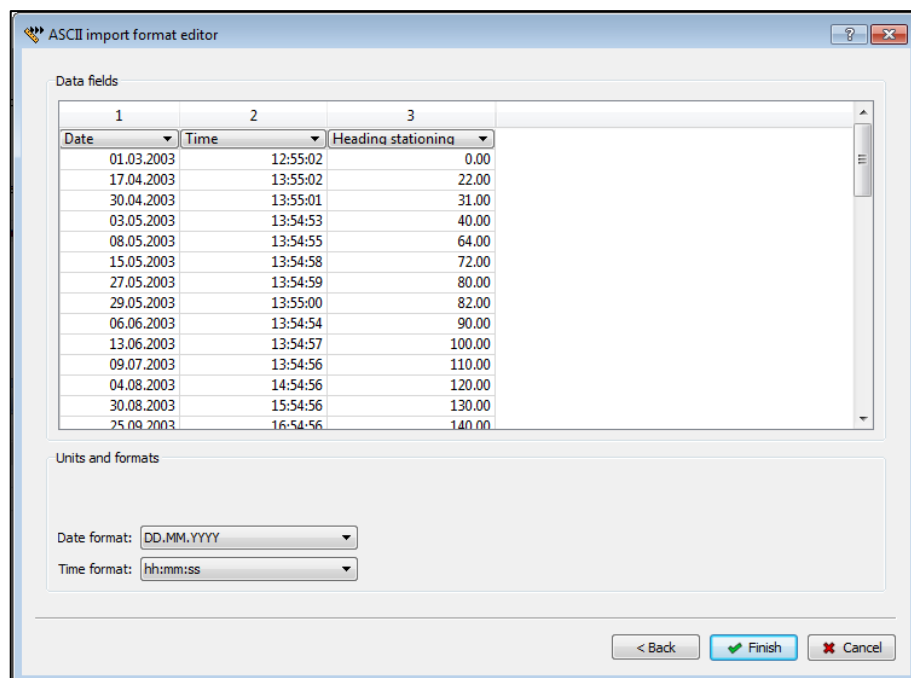
Screenshot 4: Progress of construction stage dialog

The first page of the import format editor lets you specify the number of rows of the header, comment characters, the column delimiters, decimal and 1000s separators.



Screenshot 5: First page of ASCII import format editor

On the second page, you can assign *Date*, *Time* and *Heading stationing* to the columns of the imported file by the drop-down selection in the headers of the columns.



Screenshot 6: Second page of ASCII import format editor

Benefits for you

With this new feature you can:

- Import any kind of ASCII based construction progress file from other systems
- Import log-files from TBM guidance systems like from PPS (Poltinger Precision System)

1.5. Improvements and bug fixes

DBX Import to measurement editor supports special characters

In some countries special characters can be used in the file paths to store measurements. Amberg Geotechnics is now able to import also files that are stored in folders with this kind of characters.

2. TMS Application 4.09 (Leica Viva)

2.1. General

Support Firmware Leica 4.6

The TMS Application version 4.09 supports the newest Leica Firmware 4.6 for Leica Viva instruments.

2.2. Improvements and bug fixes

Bug fix: Show correct feet information when choosing station for a jetting task

For the selection of the stationing of a jetting task the correct feet value is now shown on the screen. In the past TMS Applications has shown the metric information and staked out the feet value.

As a reminder, TMS Office is working with the US survey foot ($1\text{m} = 1200/3937 = 0.304800609\text{ft}$). For TMS can choose within the Leica settings which feet value you want to use and within TMS Applications you see the related feet values.

Yours sincerely,

Oliver Schneider
Product Manager
Tunnel Surveying Systems