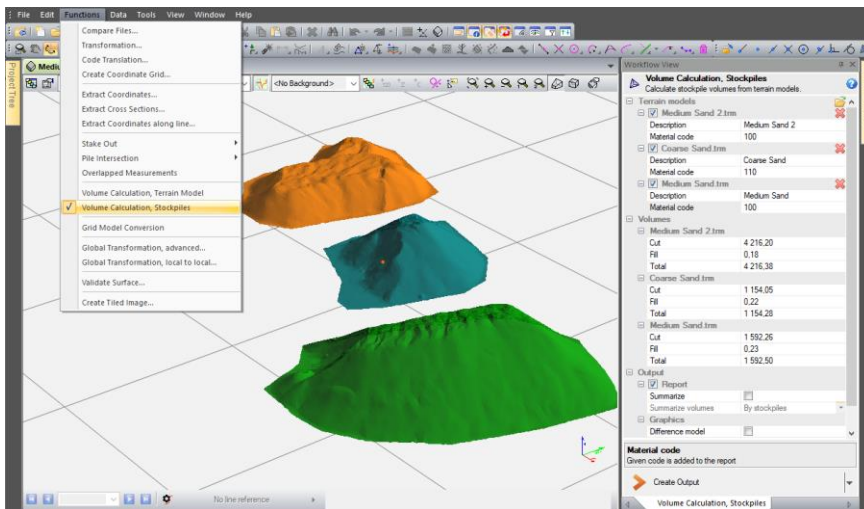




Product: iCON office
Date: 26th of March 2024
From: Torgny Israelsson

Engineering Release - iCON office version 2024.1.5

We are pleased to announce an engineering release of iCON office, **version 2024.1.5**. This release includes maintenance and stability improvements. We have dedicated extra time to find and fix some annoying bugs and in addition, some minor improvements to existing workflows were added.



The workflow for stockpiles was improved already in previous version, but quite a few users are not aware of it, so the information is added to these release notes as well. Now it's easier and faster to report volumes of stockpiles from multiple TIN models or if you want to do it from a point cloud.

All users with a valid maintenance will be able to install and run this new version and migrate to Leica EID licensing.



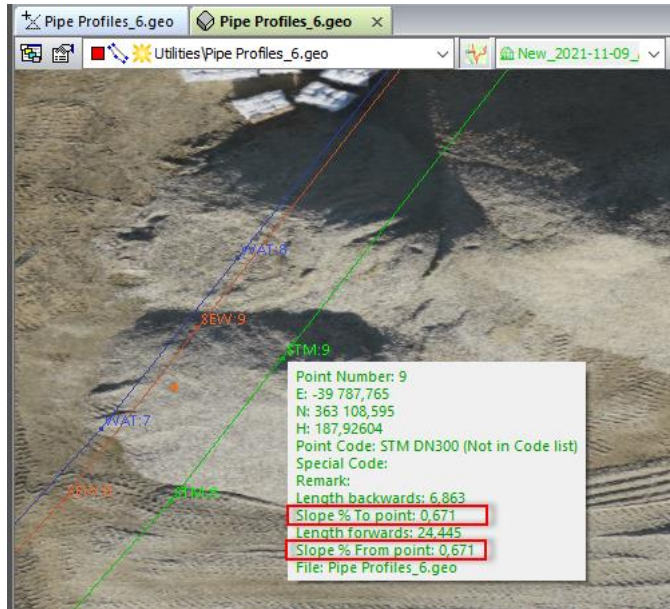
Contents

1	New Functions and Improvements	3
1.1	Updated Tooltip with Slope Information	3
1.2	Coordinate System – Updated Version of the Localization File	3
1.3	Stockpiles.....	4
1.3.1	From Terrain Models.....	4
1.3.2	From Point Cloud.....	4
1.4	Bug Fixes and Maintenance.....	5
2	iCON office Licensing.....	6
2.1	Articles	6
2.2	Important Changes - New License Model.....	6
2.3	Migration.....	7
2.3.1	Migration with active Maintenance.....	7
2.3.2	Migration without active Maintenance.....	7
3	Leica myWorld.....	7

1 New Functions and Improvements

1.1 Updated Tooltip with Slope Information

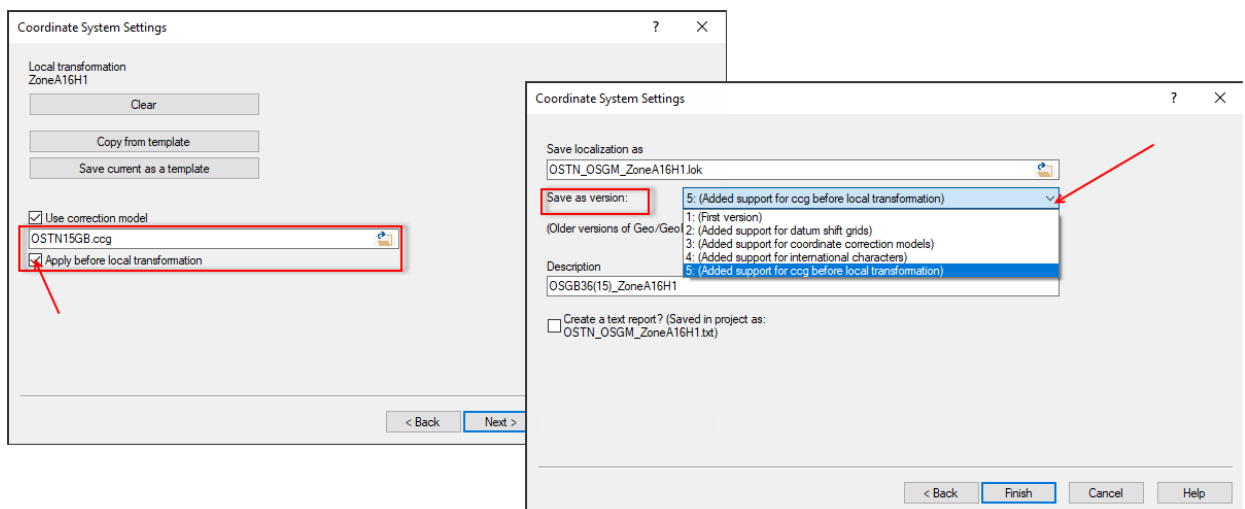
Slope information in percent (%), both to and from selected point in a line, is added to the tooltip. Just hover over the point of interest and the slope of the line is displayed.



1.2 Coordinate System – Updated Version of the Localization File (*.lok)

Updated version of the coordinate system file (version 5) with a new option to apply a local correction grid model, before the local transformation, see last page in the coordinate system wizard.

- The option is used in for example shifted UTM projections for highway projects in United Kingdom (TMx projection in Captivate).
- If the combination of a local correction model and local transformation is not used, it's recommended to save the lok-file as version 4 to make sure that older versions of MC1, iCON site, or iCON 3D can read it.



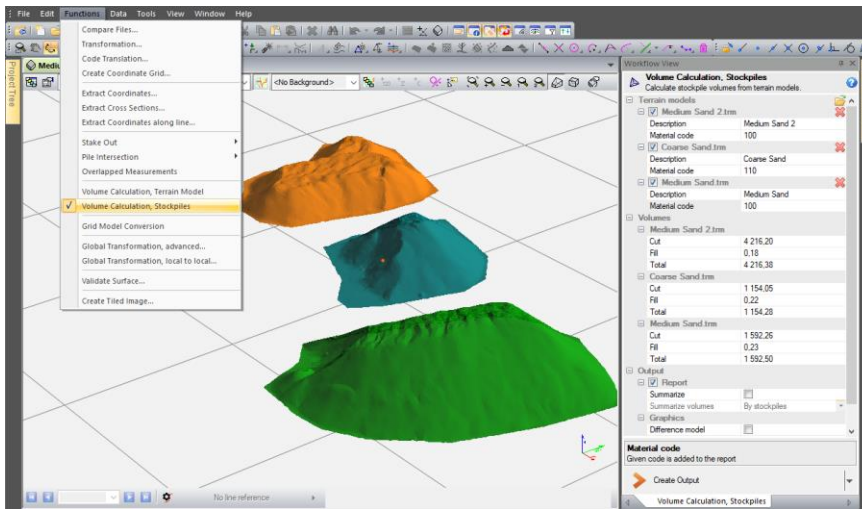
1.3 Stockpiles

The improved workflow for calculation of stockpile volumes was released in 2024.1.3 version, but a lot of users are not aware of it, so the information is added once again.

1.3.1 From Terrain Models

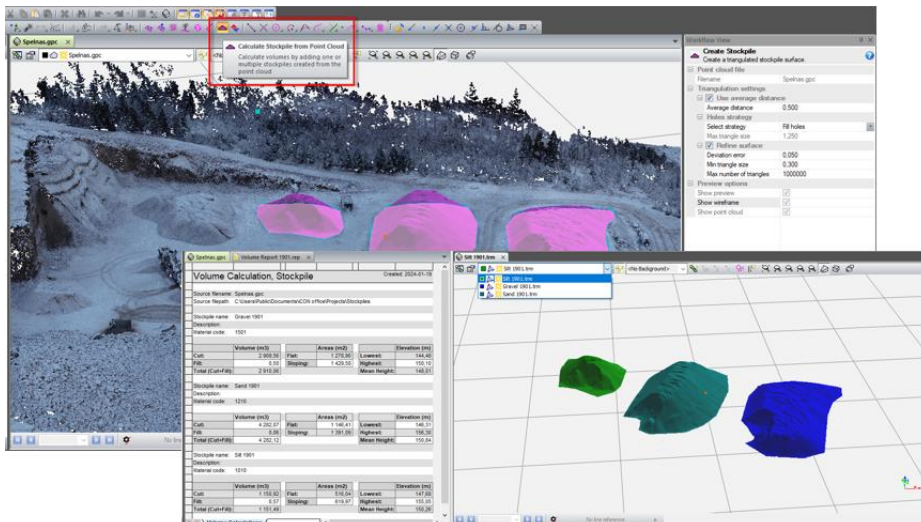
A new dedicated menu option to calculate volumes of stockpiles, go to Functions > Volume Calculation, Stockpiles.

- Opened stockpile models are pre-selected in the workflow view.
- Possible to add description and material codes.
- Create volume report of one or multiple stockpiles.
 - Options to save all volumes to the same or separate reports.
 - If saved to the same report, the volumes can be summarized:
 - By stockpiles - All volumes are summarized.
 - By code - Only volumes with same material code are summarized.



1.3.2 From Point Cloud

New tool, Calculate Stockpile from Point Cloud, to extract and calculate volumes of stockpiles direct from point cloud. The manual first step to created TIN surfaces, is not required. Select the tool and draw a polygon around the stockpile.



- Preview of generated stockpile surfaces.
- Volumes are listed in the workflow view to the right.
- Possible to add description and material codes.
- Create volume reports of one or multiple stockpiles.
 - Options to save all volumes to the same or separate reports.
 - If saved to the same report, volumes can be summarized:
 - By stockpiles - All volumes are summarized.
 - By code - Only volumes with same material code are summarized.
- If required, the used stockpile surfaces can be saved as TIN models.

1.4 Bug Fixes and Maintenance

In addition, a lot of annoying bugs have been solved and maintenance improvements done.

- Stability improvements - Several reports from the crash server were fixed.
- Snap to insertion point in AutoCAD DWG was broken for block. Fixed
- To save untitled terrain models on a file server could take a very long time. Fixed
- Volume Calculation with border polygon could cause a crash in some cases. Fixed
- Point cloud - If point type sphere was used as display setting, the point cloud could hide DWG data. Fixed
- Point cloud - LAZ file, named with UNICODE characters, could not be converted correctly. Fixed
- LandXML import - Some stability issues when visualizing XML files are fixed.
- Coordinate files - Data > Create a Code Report could cause a crash. Fixed
- The drop-down box with active files could not scroll using the mouse wheel anymore. Fixed
- Trench – The last used input file is pre-selected in the dialog when more pipe profiles are inserted.
- Trench - Crash when copying and pasting pipeline geometries (E, N) with more rows than existing geometry. Fixed
- If a TBS without main line was opened the application crashed. Fixed

2 iCON office Licensing

- when it has to be **right**



2.1 Articles

iCON office starts with **Core**, which enables import/export of data, 3D visualization, COGO calculations, coordinate system handling, visualization in Google Earth and generating of drawings etc.

Base Software		
971847	iCON office Core	It features import/export and COGO functionality and can be upgraded with various options.
Options		
971848	iCON office Road	iCON office Core is required for upgrading.
971849	iCON office Terrain	iCON office Core is required for upgrading.
971854	iCON office Trench	iCON office Core and Terrain are required for upgrading.
971853	iCON office Point Cloud	iCON office Core and Terrain are required for upgrading.
971850	iCON office Volume	iCON office Core, Road and Terrain are required for upgrading.
971851	iCON office Tunnel	iCON office Core, Road and Terrain are required for upgrading.
971852	iCON office Net Adjustment	iCON office Core is required for upgrading.
CCP		
6017858	1yr iCON office CCP	iCON office CCP extended one year
6017859	2yr iCON office CCP	iCON office CCP extended two years
6017860	3yr iCON office CCP	iCON office CCP extended three years
Migration		
971913	iCON office Migration	Migration from dongle to EIDs. Valid CCP is required.
Re-activation		
5311599	Re-activation Fee iCON office (>1yr)	Re-activation Fee iCON office (>1yr) applied if maintenance expired for +365days

2.2 Important Changes - New License Model

Since the release of iCON office 2023, iCON office is delivered using the EID license model and no physical delivery of USB dongles is required. The licensing is aligned and work in a similar way as for other software products from Leica Geosystems.

- iCON office is delivered as EID license.
 - Licensing of EIDs is managed through CLM.
 - Floating license – All iCON office licenses are floating licenses.
 - Physical delivery of USB dongles is no longer supported.
- iCON office version 2023 can also start with a USB dongle with a valid maintenance.
 - But it will not be possible to update or add new license options to a dongle-based license without first migrate to EID license.
 - It's recommended to migrate to EID license.

2.3 Migration

2.3.1 Migration with active Maintenance

- All customers with active maintenance can migrate with article **971913** and will be issued a new EID to replace the dongle. This EID will honor the product(s) and maintenance date of their existing dongles.
 - Provide **serial number** (4- or 5-digit number) or dongle ID, available on the plastic tag, when ordering migration.
- Customers are responsible for running Dongle Tool and check in the license to the license server, after delivery of their new EID.
 - The dongle must not be returned to Leica Geosystems
- If a customer wants to upgrade with more license options, this must be done in a second step.

2.3.2 Migration without active Maintenance

- All customers without active maintenance must purchase a new maintenance (CCP) contract at the time of migration (1yr, 2yr or 3yr iCON office CCP)
 - Provide **serial number** or dongle ID when ordering CCP and migration.
- Customers are responsible for running Dongle Tool and check in the license to the license server, after delivery of their new EID.
 - The dongle must not be returned to Leica Geosystems.
- If a customer wants to upgrade with more license options, this must be done in a second step.

3 Leica myWorld

Please use Leica myWorld to find the latest version of iCON office. Access Leica myWorld by using the following link:

<https://myworld.leica-geosystems.com/>