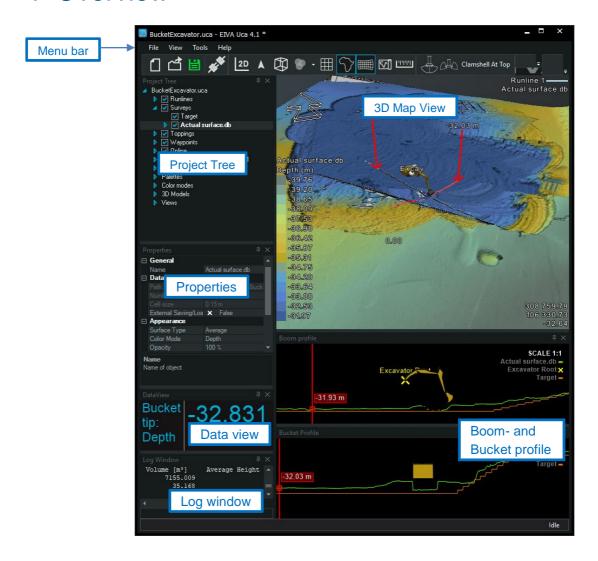


UCA QUICKGUIDE

Author: ANS Last update: 08/11/2018 Version: 4.1



1 Overview





2 Start UCA setup

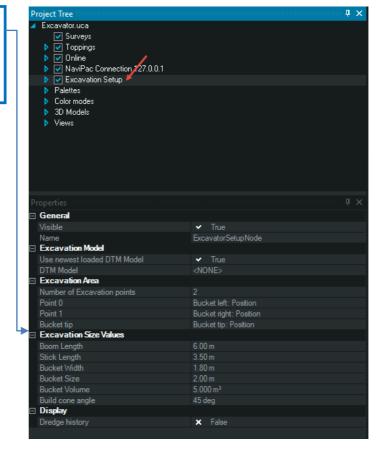
From the menu bar select File/New Setup and choose an excavation setup.

Save your project via the menu option File/Save Project As...

UCA project files have the extension *.uca



Select the excavation setup from the project tree and configure your excavator dimensions in the Properties window.



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3 Add Survey content

Add content by either

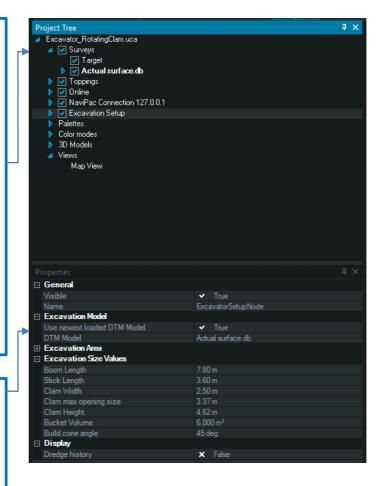
- Drag and drop file to the
 Map View
- 2. Via the menu bar File/Import...

Supported file formats:

- Target surface (*.tin)
- Actual surface (*.xyz, *.db)
- Optional:
- Runline file (*.rlx,*.rln)
- Background file (*.dxf)
- Waypoint file (*.wpt)

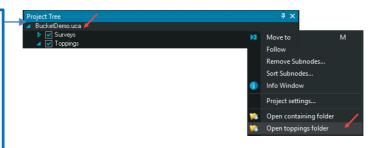
You will see the content added in the project tree.

Go to the Excavation Setup in the project tree and make sure to select the surface. Whilst dredging, this surface is updated in real-time.



Right-click on the project name and select the option Open toppings folder to open the location where the database is saved.

Make a backup from the databases here.



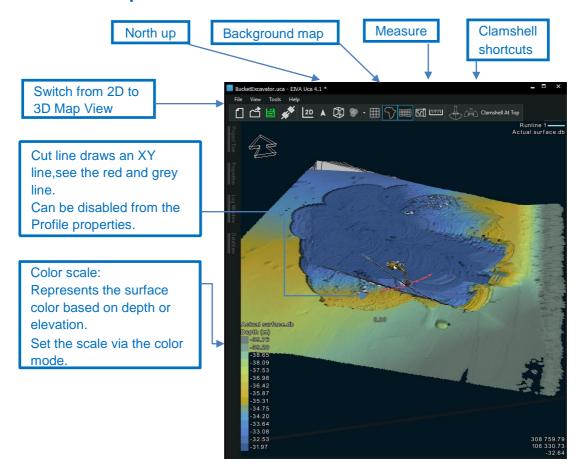


4 Configure content files





5 3D Map View





6 Visualise dredge area

Show difference between two surfaces.

Choose the color mode Difference from and the palette Three or Depth. In the properties you can set the interval of the palette.

The example shows:
- Green: target reached.
- Yellow: 1m above target.
- Red: 2m and more above target.

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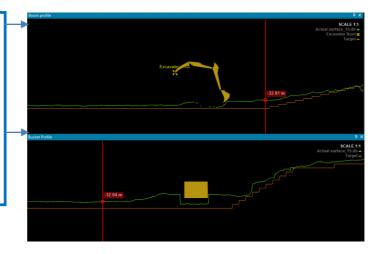
7 Profile Views

Boom Profile:

Right-Click on the profile view opens its context menu where you can configure its display.

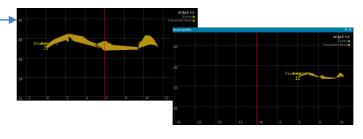
Shows view from right.

Bucket Profile: Shows view from the front.



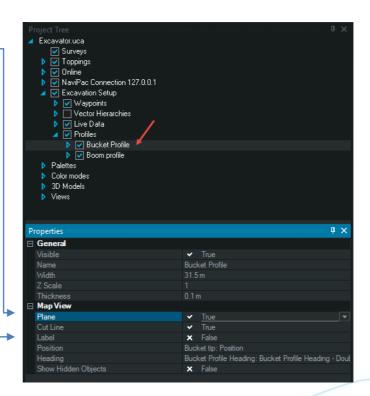
To move the origin, hold the mouse wheel and move the mouse e.g. to the right.

To zoom in/out, scroll with the mouse wheel.



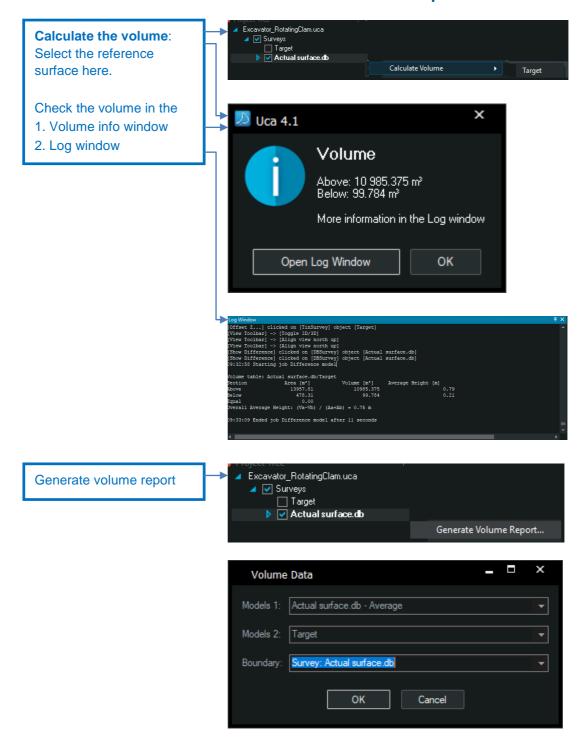
Go to the excavation setup/Profiles in the project tree to set displaying the plane in the map view.

Set displaying the cut line here too.





8 Calculate volume and create reports



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9 Version descriptions

Version	Date	Author	Description
4.1	17-12-2017	ANS	Reviewed Quickguide from LDA, and moved to word.