

# Trimble Business Center - Volumenberegning

Baseret på TBC v.4.0

**Geoteam A/S**

Energivej 34  
2750 Ballerup

7733 2233

[support@geoteam.dk](mailto:support@geoteam.dk)

[www.geoteam.dk](http://www.geoteam.dk)

13. februar 2018

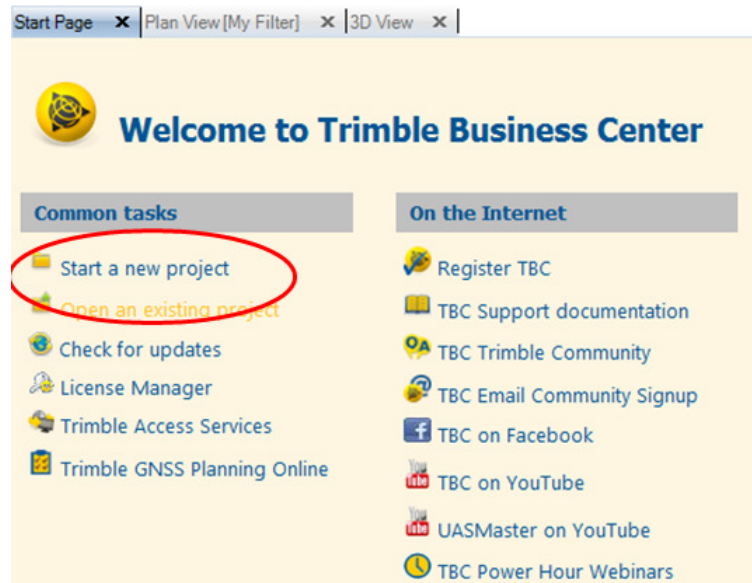
# GE<sup>+</sup>TEAM

Autoriseret forhandler af  Trimble.



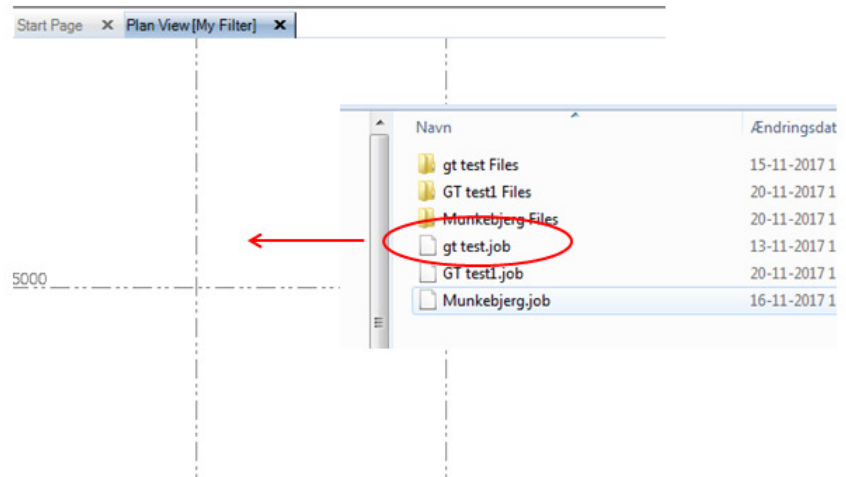


## Opret nyt projekt



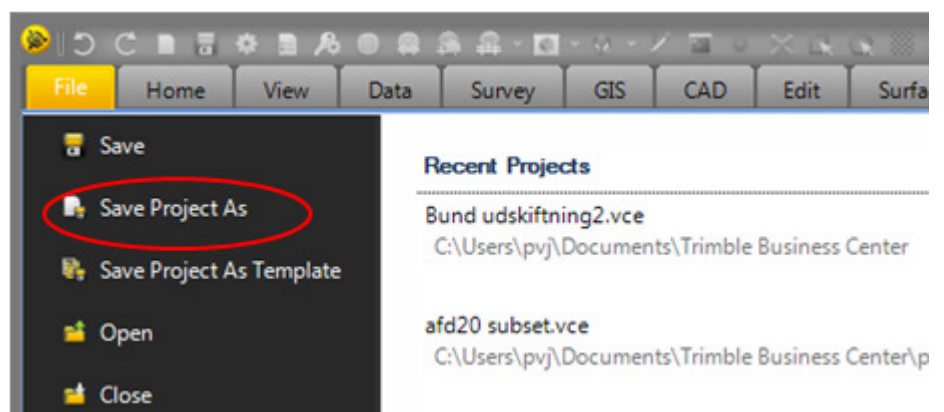
## Importer opmåling

Vælg .job fil, og træk den over i TBC vinduet



## Gem som TBC Projekt .vce

Gem via **File** og **Save Project As**

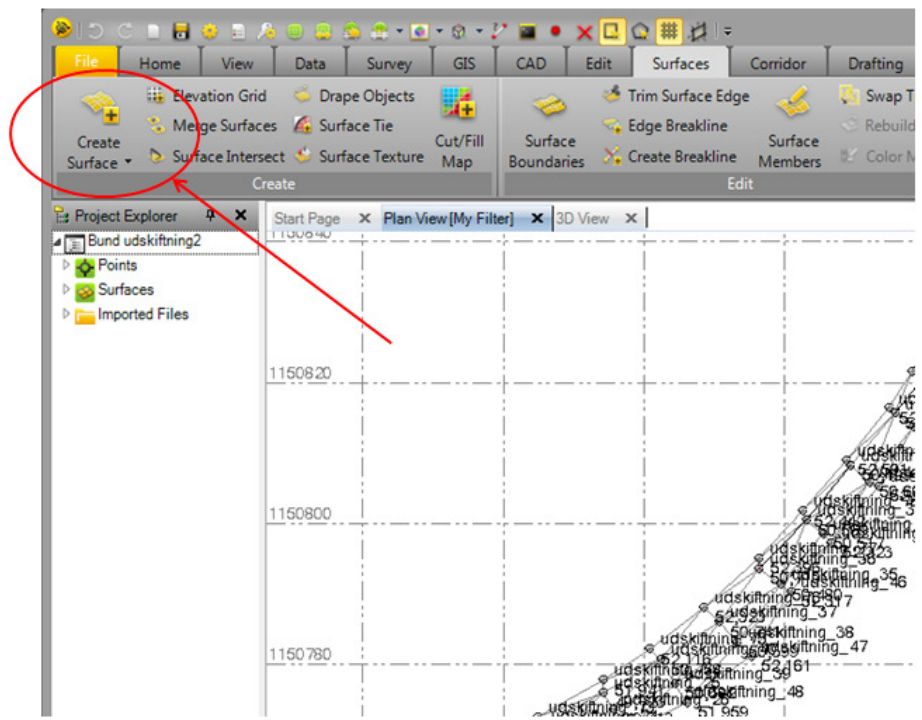


## Lav en overflade

Første vælges fanen  
**Surfaces**

Derefter

**Create Surface**



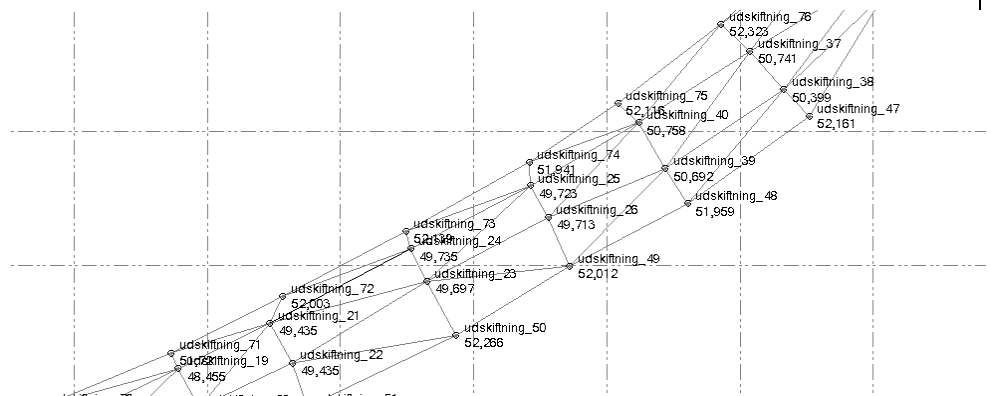
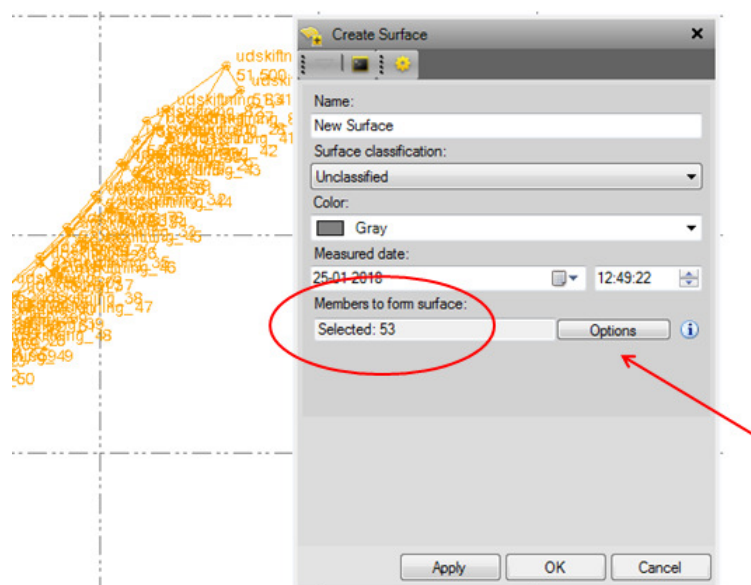
Punkter til overfladen  
vælges

Punkterne vælges via  
knappen Options.

Alternativt kan også vælge  
dem inden man bruger  
Create surface og så  
indgår de valgte punkter  
automatisk

Tryk: **OK** eller **Apply**

Og fladen bliver oprettet



Under **Surface classification** kan man eventuelt angive en klassifikation af overfladen:

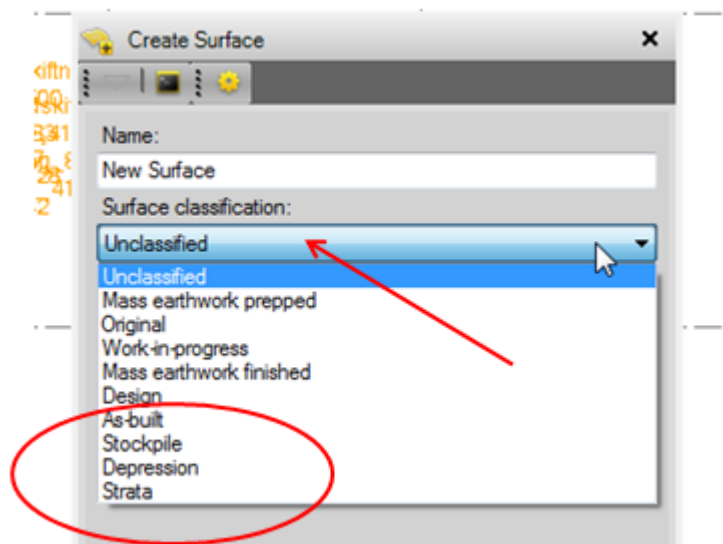
F.eks

**Stockpile**

Eller

**Depression**

hvis der er tale om hhv. en materialebunke eller en udgravning.



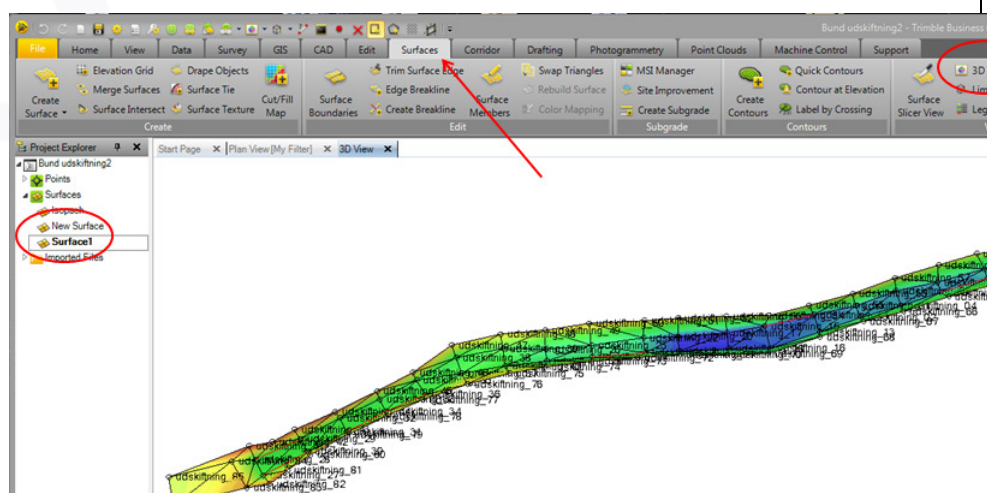
## Visning i 3D View

Man kan med fordel inspicere og kontrollere overfladen i 3D View.

**Zoom ind og ud** med = Mousewheel

**Flyt** = Højre musetast

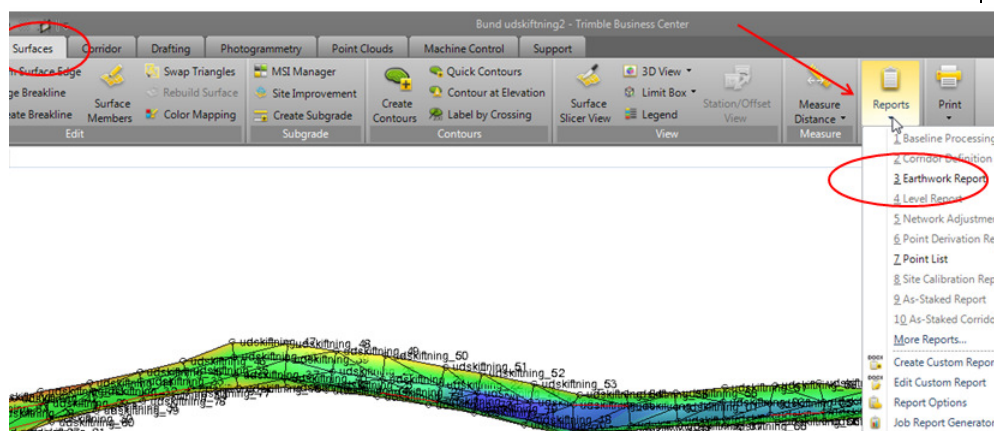
**Dreje** = Ctrl + Højre musetast



## Volumenberegning

Volumenberegningen foregår under **Surface** Fanen, **Reports**, og vælg derefter:

**Earthwork Reports**



Her kan defineres yderligere settings, afgrænsning og materialetype

Vælg

**Stockpile/Depression**

Derefter **OK**

Noter:

**Stockpile/Depression:**

beregner automatisk volumen mellem to flader, f.eks en øvre (Top) og nedre flade (Bund).

**Surface to Surface:**

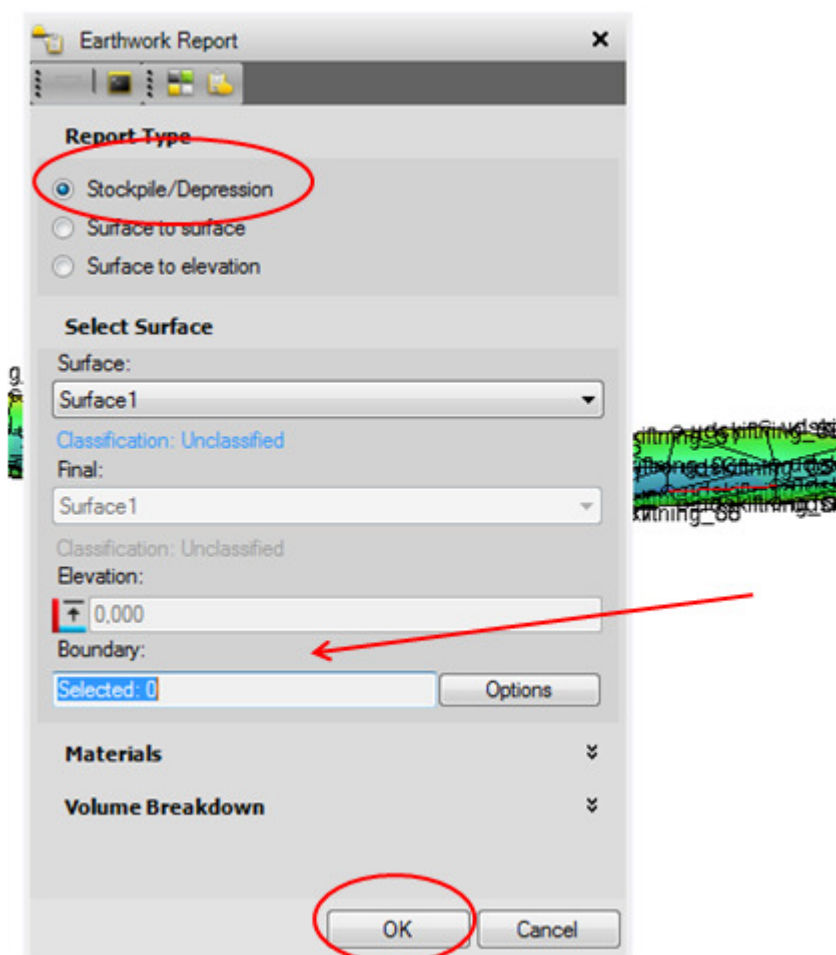
laver en sammenligning mellem 2 flader

**Surface to Elevation:**

beregner en overflade ift en given kote

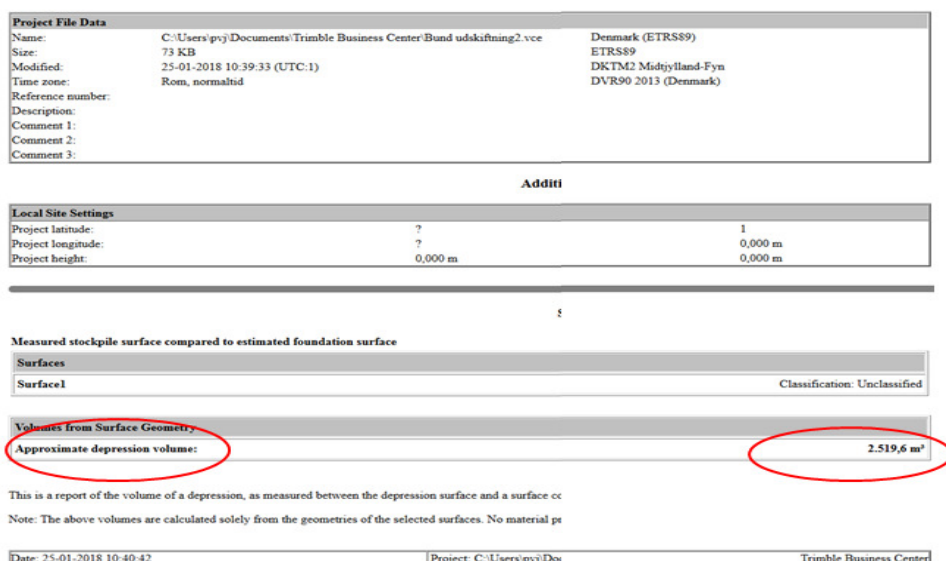
Det er ligeledes muligt at definere en afgrænsning/beskæring af beregningen via **Boundary**.

Vælg f.eks **Options**, **Select by layer**



## Resultat & Rapport

Rapporten med resultatet vises automatisk som tekstfil i en browser.



| Project File Data |                                                                      |                       |
|-------------------|----------------------------------------------------------------------|-----------------------|
| Name:             | C:\Users\pvj\Documents\Trimble Business Center\Bund udskiftning2.vce | Denmark (ETRS89)      |
| Size:             | 73 KB                                                                | ETRS89                |
| Modified:         | 25-01-2018 10:39:33 (UTC:1)                                          | DKTM2 Midtjylland-Fyn |
| Reference number: | Rom, normaltid                                                       | DVR90 2013 (Denmark)  |
| Description:      |                                                                      |                       |
| Comment 1:        |                                                                      |                       |
| Comment 2:        |                                                                      |                       |
| Comment 3:        |                                                                      |                       |

| Local Site Settings |         |         |
|---------------------|---------|---------|
| Project latitude:   | ?       | 1       |
| Project longitude:  | ?       | 0,000 m |
| Project height:     | 0,000 m | 0,000 m |

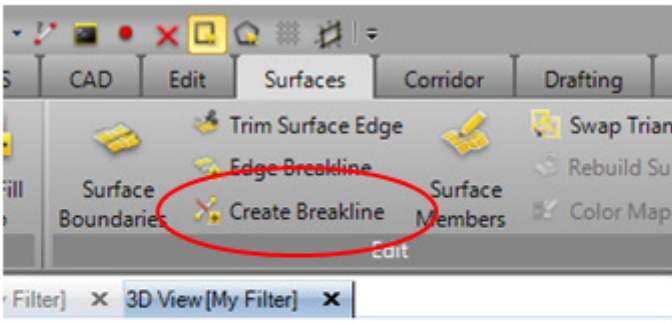
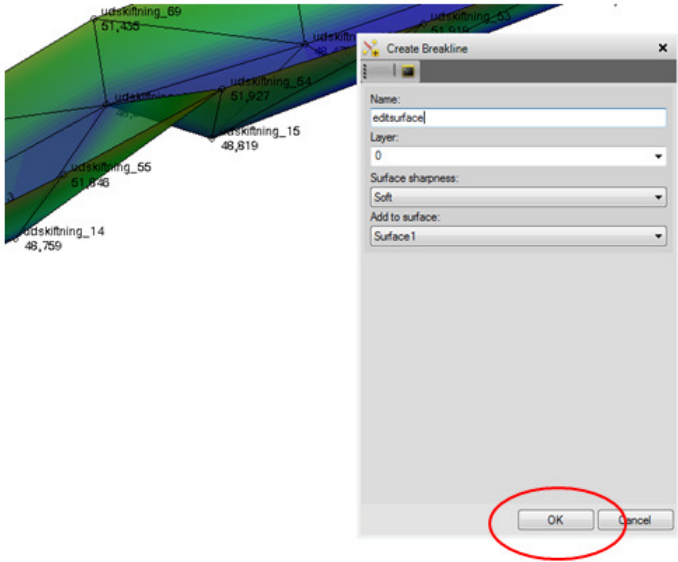
| Measured stockpile surface compared to estimated foundation surface |                              |
|---------------------------------------------------------------------|------------------------------|
| Surfaces                                                            |                              |
| Surface1                                                            | Classification: Unclassified |

| Volumes from Surface Geometry  |            |
|--------------------------------|------------|
| Approximate depression volume: | 2.519,6 m³ |

This is a report of the volume of a depression, as measured between the depression surface and a surface cc

Note: The above volumes are calculated solely from the geometries of the selected surfaces. No material pt

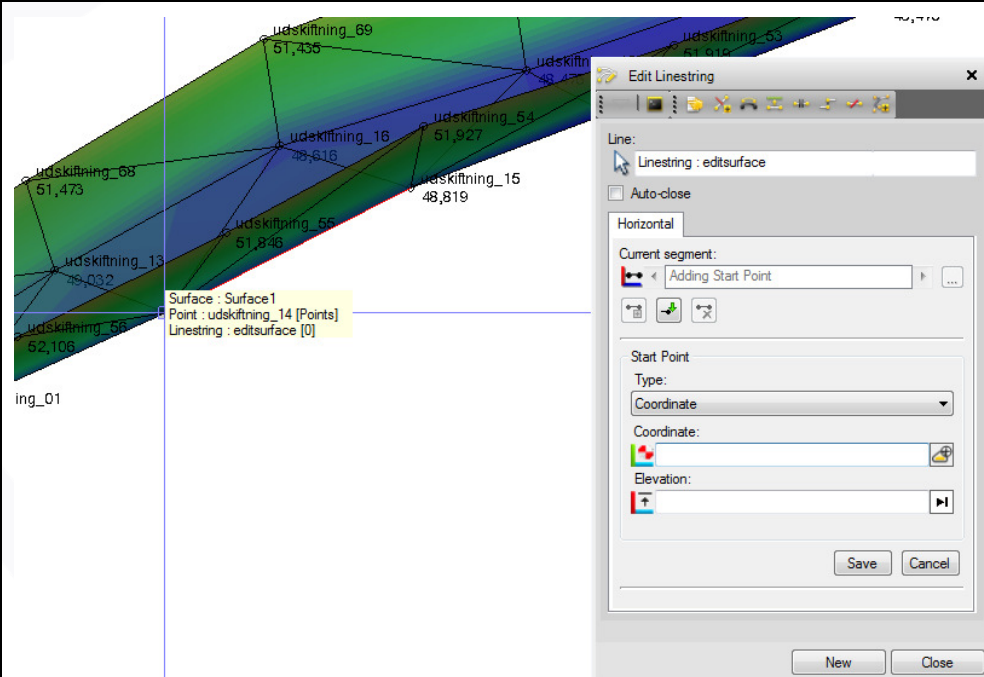
Date: 25-01-2018 10:40:42 Project: C:\Users\pvj\Doc Trimble Business Center

|                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Tillæg</b></p>                                                                                                                                                                                    | <p><b>Redigering af fladen</b>, f.eks ved fejl og lignende</p>                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p>Behov for redigering kan opstå, f.eks ved fejl og lignende</p> <p>Hvis der er områder hvor top eller bundlag er forkerte kan der indsættes <b>Breaklines</b></p> <p>Vælg <b>Create Breakline</b></p> |  <p>The screenshot shows the software's ribbon interface with tabs for CAD, Edit, Surfaces, Corridor, and Drafting. Under the 'Edit' tab, the 'Create Breakline' button is highlighted with a red circle. Other visible buttons include 'Trim Surface Edge', 'Edge Breakline', 'Surface Boundaries', 'Surface Members', 'Swap Triangles', 'Rebuild Surface', and 'Color Map'.</p>                  |
|                                                                                                                                                                                                         |  <p>The screenshot shows a 3D model of a terrain surface with several breaklines. Overlaid on the model is the 'Create Breakline' dialog box. The dialog box contains fields for 'Name' (set to 'editSurface'), 'Layer' (set to '0'), 'Surface sharpness' (set to 'Soft'), and 'Add to surface' (set to 'Surface1'). The 'OK' button at the bottom right of the dialog box is circled in red.</p> |



Klik på første punkt  
Klik på næste punkt  
Højre klik  
Vælg **[Close]**

Derefter evt flere steder  
på samme måde



Fladen er udbedret

