

# MicroStation Tips & Tricks

Bentleyuser.dk årsmøde  
2019

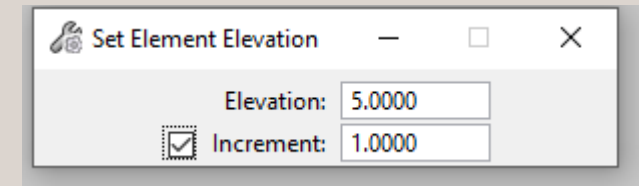
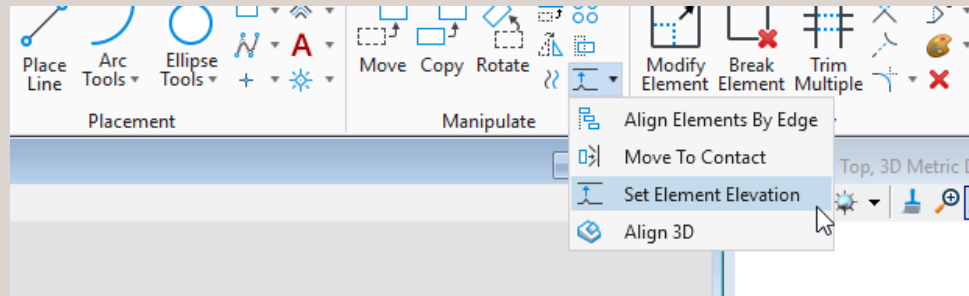
TINE LAI ANDERSEN



# 1. Set Element Elevation

MicroStation Connect Edition

- Flyt element til én kote (Z værdi)



- Increment feltet anvendes, hvis den skal forøge eller formindske kote/elevation værdien for hver gang du "klikker"

# 2. Element selection

MicroStation Connect Edition

- Nemmeste vej til Element Selection???

ESC → Q → Q



- eller SPACE → Klik → Klik

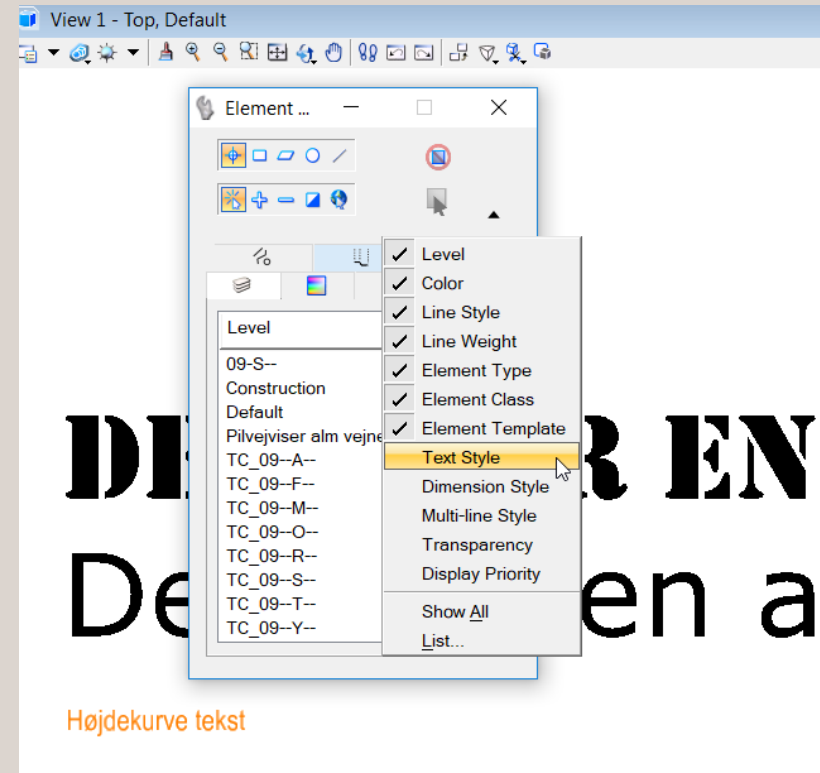
eller SPACE → 3 → Klik

eller SPACE → 3 → S

# 3. Element selection- flere tabs

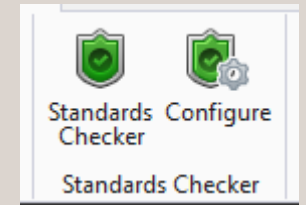
MicroStation V8i & Connect Edition

- Højreklik for at få flere tabs under Element Selection

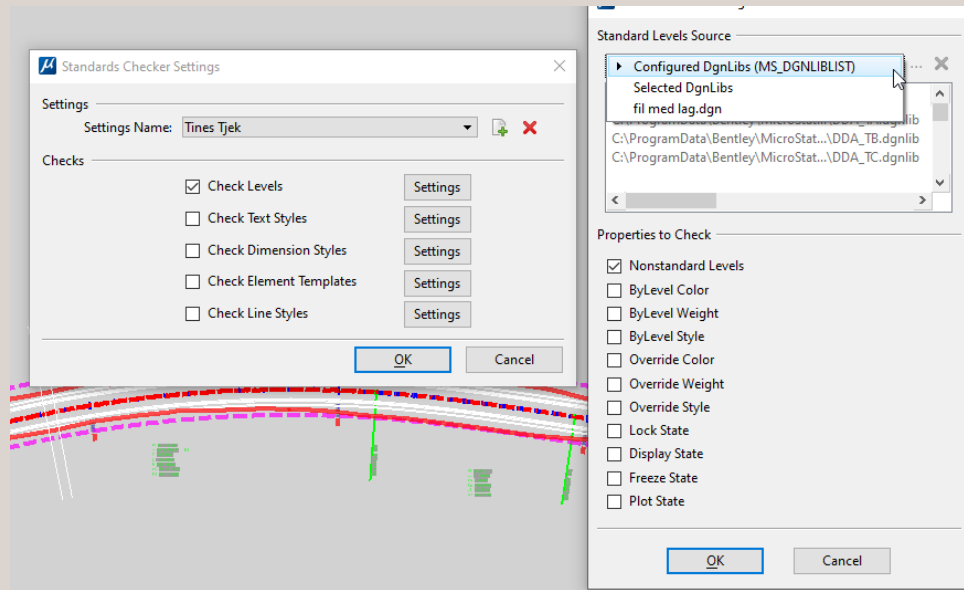


# BONUS Tip - Standard checker

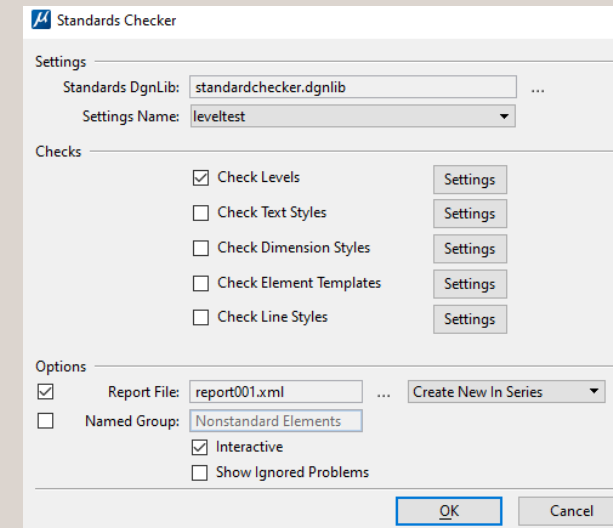
MicroStation V8i & Connect Edition



Configure:



Tjek:

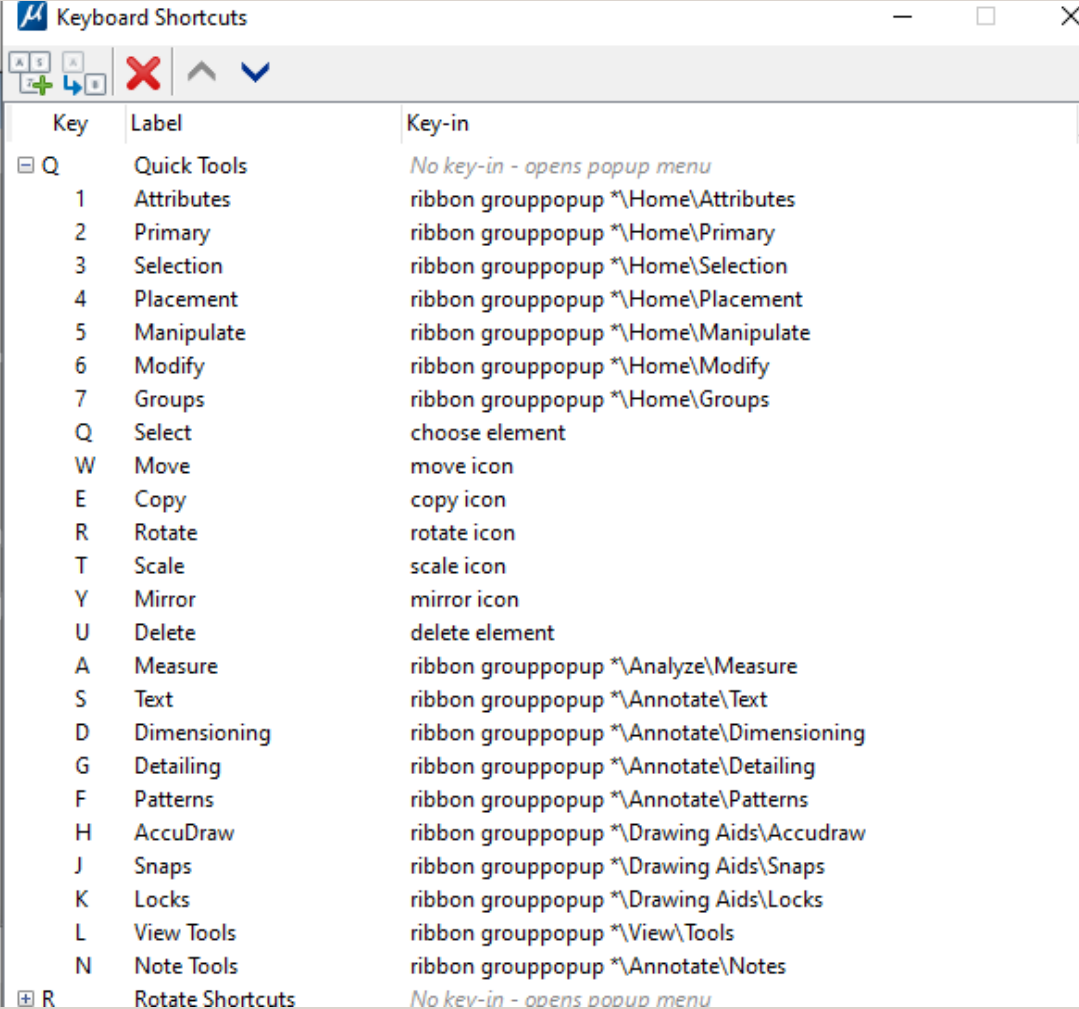


MS_STANDARDSCHECKER_APPS	Standards Checker Applications
MS_STANDARDSCHECKER_OUT	Standards Checker Report Directory
MS_STANDARDSCHECKER_SETTINGSFILE	Required Standards Checker Settings File
MS_STANDARDSCHECKER_SETTINGSNAME	Required Standards Checker Named Settings
MS_STANDARDSCHECKER_STYLESHEET	Standards Checker Style Sheet

# 4. Quick tools

## MicroStation Connect Edition

- ESC → Q
- Defineres under:  
File → Settings →  
Keyboard Shortcuts → Q



Key	Label	Key-in
Q	Quick Tools	No key-in - opens popup menu
1	Attributes	ribbon grouppopup *\Home\Attributes
2	Primary	ribbon grouppopup *\Home\Primary
3	Selection	ribbon grouppopup *\Home\Selection
4	Placement	ribbon grouppopup *\Home\Placement
5	Manipulate	ribbon grouppopup *\Home\Manipulate
6	Modify	ribbon grouppopup *\Home\Modify
7	Groups	ribbon grouppopup *\Home\Groups
Q	Select	choose element
W	Move	move icon
E	Copy	copy icon
R	Rotate	rotate icon
T	Scale	scale icon
Y	Mirror	mirror icon
U	Delete	delete element
A	Measure	ribbon grouppopup *\Analyze\Measure
S	Text	ribbon grouppopup *\Annotate\Text
D	Dimensioning	ribbon grouppopup *\Annotate\Dimensioning
G	Detailing	ribbon grouppopup *\Annotate\Detailing
F	Patterns	ribbon grouppopup *\Annotate\Patterns
H	AccuDraw	ribbon grouppopup *\Drawing Aids\Accudraw
J	Snaps	ribbon grouppopup *\Drawing Aids\Snaps
K	Locks	ribbon grouppopup *\Drawing Aids\Locks
L	View Tools	ribbon grouppopup *\View\Tools
N	Note Tools	ribbon grouppopup *\Annotate\Notes
R	Rotate Shortcuts	No key-in - opens popup menu

\*Eksemplet her viser en ny shortcut: N Note tools

# 5. Flere Quick Tools

MicroStation Connect Edition

Og ja, der er flere Quick Tools under:

- ESC → Å

MS\_KEYBOARDSHORTCUTS

PERSONAL.KEYBOARDSHORTCUTS.XML

(default: %localappdata%\Bentley\MicroStation\10.0.0\Prefs)

\* Gælder alle keyboardshortcuts

<u>6</u>	Attributes
<u>7</u>	Primary
<u>8</u>	Selection
<u>9</u>	Placement
<u>0</u>	Manipulate
<u>+</u>	Modify
<u>-</u>	Groups
<u>Y</u>	Mirror
<u>U</u>	Scale
<u>I</u>	Rotate
<u>O</u>	Copy
<u>P</u>	Move
<u>T</u>	Delete
<u>a</u>	Select
<u>D</u>	Measure
<u>F</u>	Text
<u>G</u>	Dimensioning
<u>H</u>	Detailing
<u>J</u>	Patterns
<u>K</u>	AccuDraw
<u>L</u>	Snaps
<u>æ</u>	Locks
<u>g</u>	View Tools

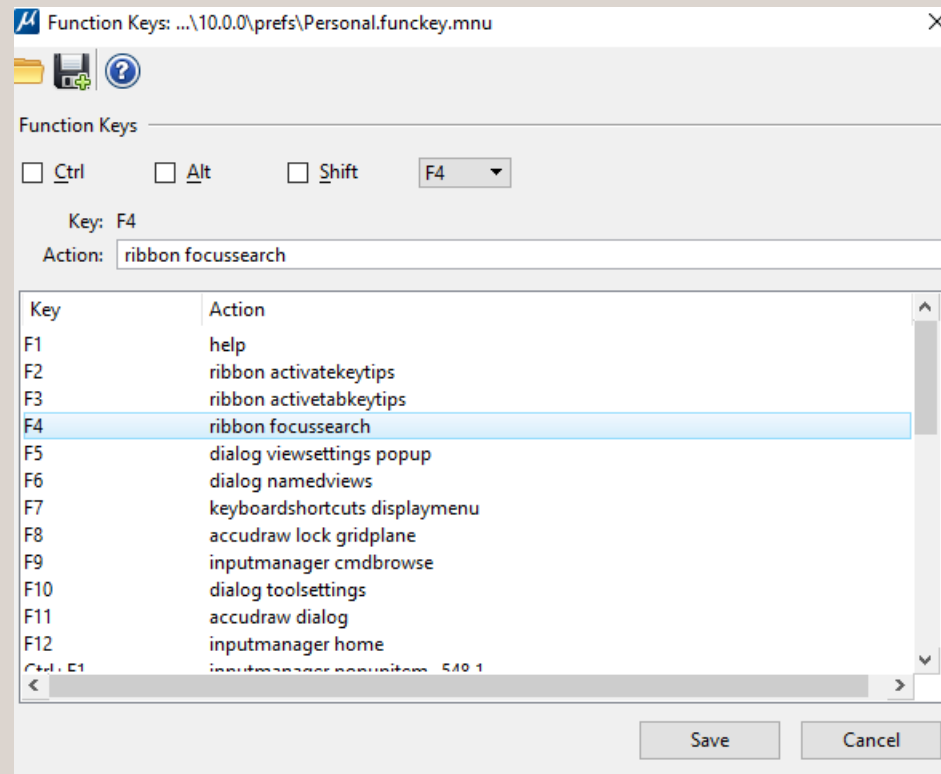
# 6. F4

Mest til dem der både bruger MicroStation og OpenRoads

- SEARCH – skriv kommandoen du leder efter
- F4 i OpenRoads er choose none, men den kan ændres til search..

Keyin er:  
ribbon focussearch

File → Settings → User →  
Function keys



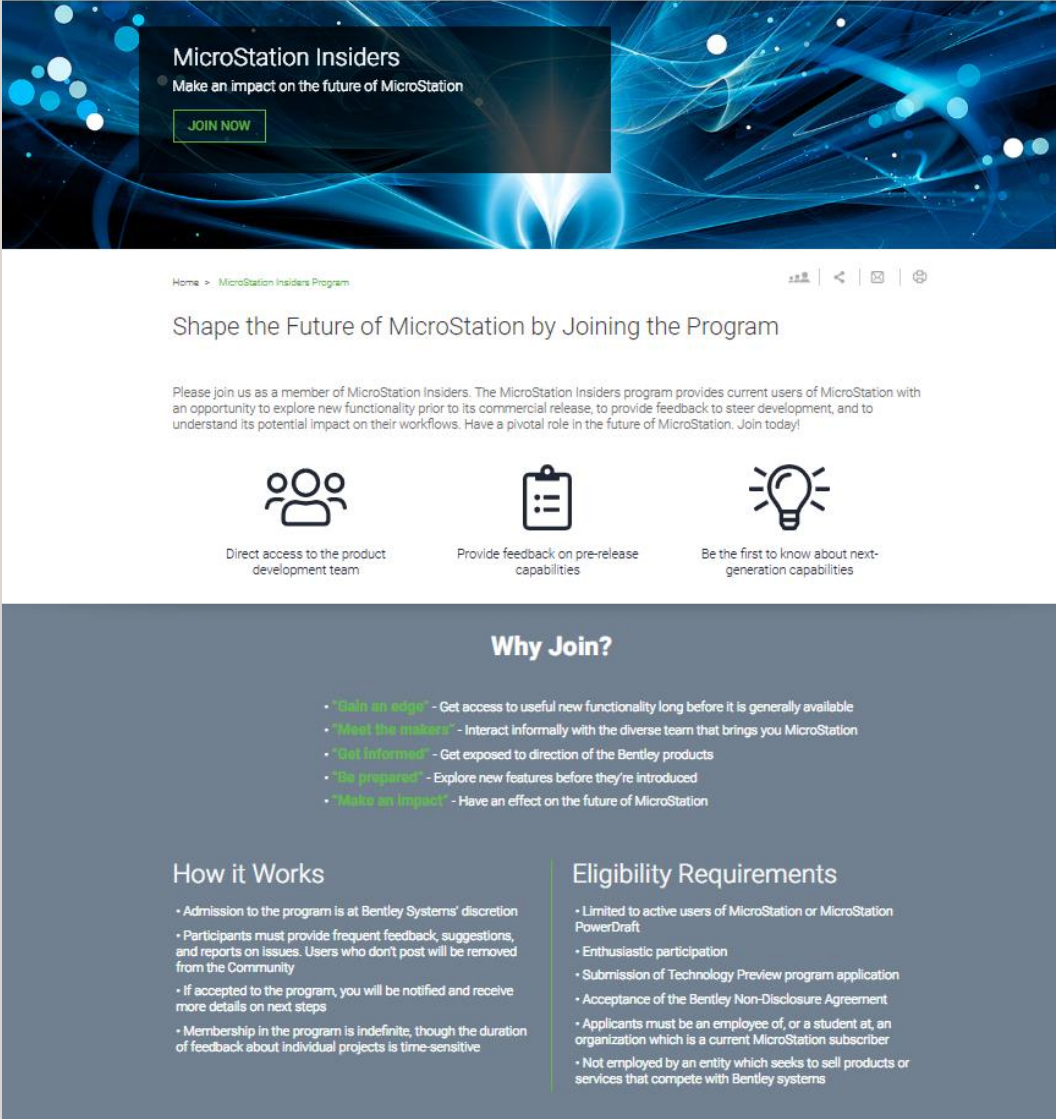


# 7. MSinsider

Vil du være med til at se de nye ting i MicroStation før andre?

[www.Bentley.com/msinsider](http://www.Bentley.com/msinsider)

\*Kræver naturligvis feedback til Bentley og din tid til at afprøve tingene.






**MicroStation Insiders**  
Make an impact on the future of MicroStation  
[JOIN NOW](#)

Home > MicroStation Insiders Program

## Shape the Future of MicroStation by Joining the Program

Please join us as a member of MicroStation Insiders. The MicroStation Insiders program provides current users of MicroStation with an opportunity to explore new functionality prior to its commercial release, to provide feedback to steer development, and to understand its potential impact on their workflows. Have a pivotal role in the future of MicroStation. Join today!

-  Direct access to the product development team
-  Provide feedback on pre-release capabilities
-  Be the first to know about next-generation capabilities

### Why Join?

- **"Gain an edge"** - Get access to useful new functionality long before it is generally available
- **"Meet the makers"** - Interact informally with the diverse team that brings you MicroStation
- **"Get informed"** - Get exposed to direction of the Bentley products
- **"Be prepared"** - Explore new features before they're introduced
- **"Make an impact"** - Have an effect on the future of MicroStation

### How it Works

- Admission to the program is at Bentley Systems' discretion
- Participants must provide frequent feedback, suggestions, and reports on issues. Users who don't post will be removed from the Community
- If accepted to the program, you will be notified and receive more details on next steps
- Membership in the program is indefinite, though the duration of feedback about individual projects is time-sensitive

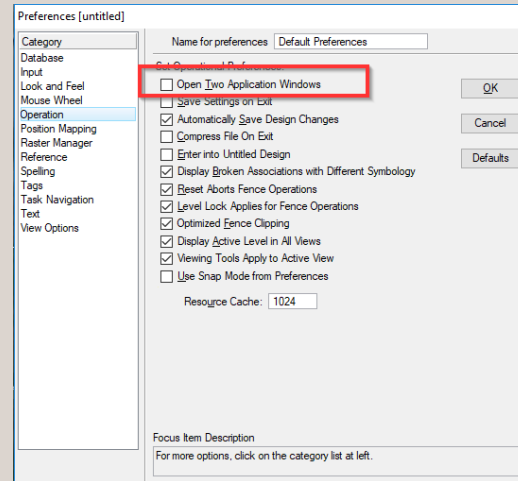
### Eligibility Requirements

- Limited to active users of MicroStation or MicroStation PowerDraft
- Enthusiastic participation
- Submission of Technology Preview program application
- Acceptance of the Bentley Non-Disclosure Agreement
- Applicants must be an employee of, or a student at, an organization which is a current MicroStation subscriber
- Not employed by an entity which seeks to sell products or services that compete with Bentley systems

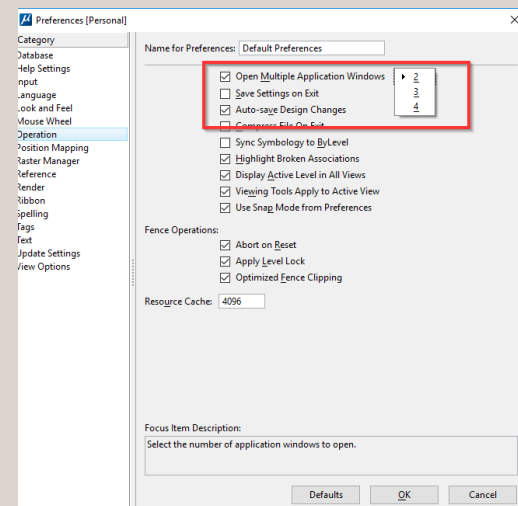
# 8. Har du mange skærme?

MicroStation V8i & Connect Edition

- V8i  
Op til 2 skærme



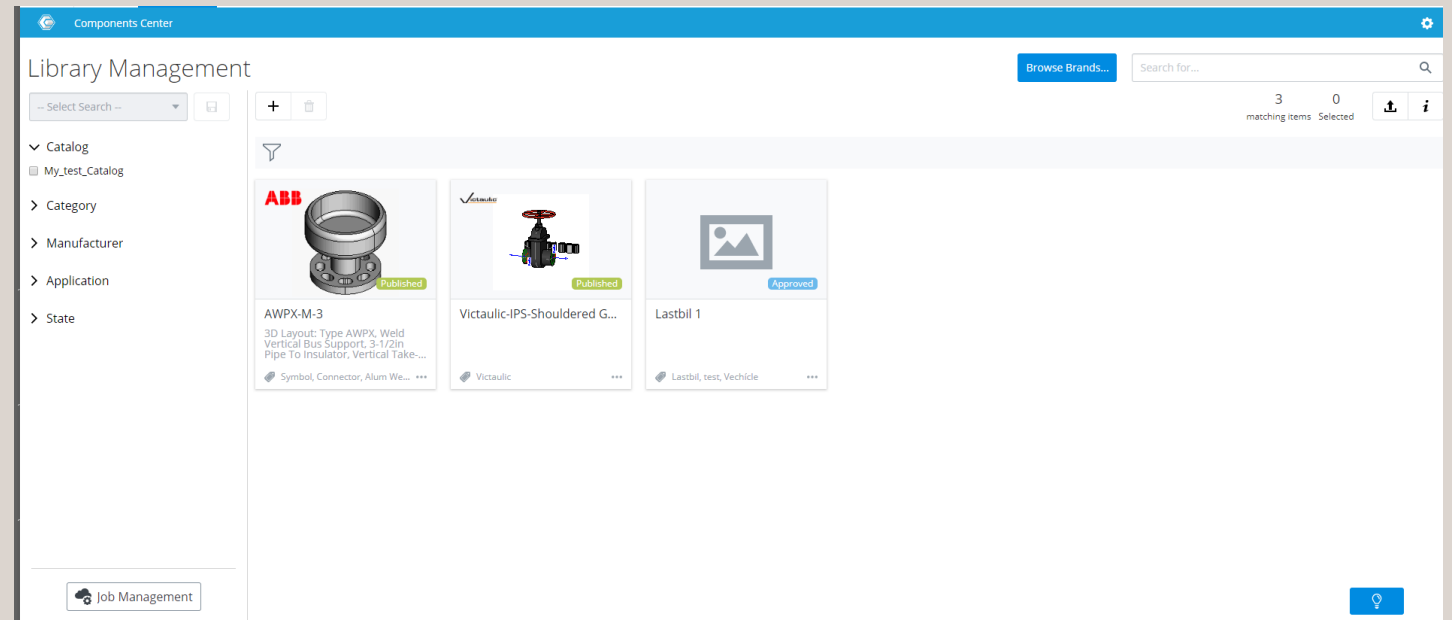
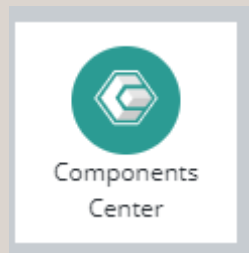
- CE  
Op til 4 skærme



# 9. Components Center

## MicroStation Connect Edition

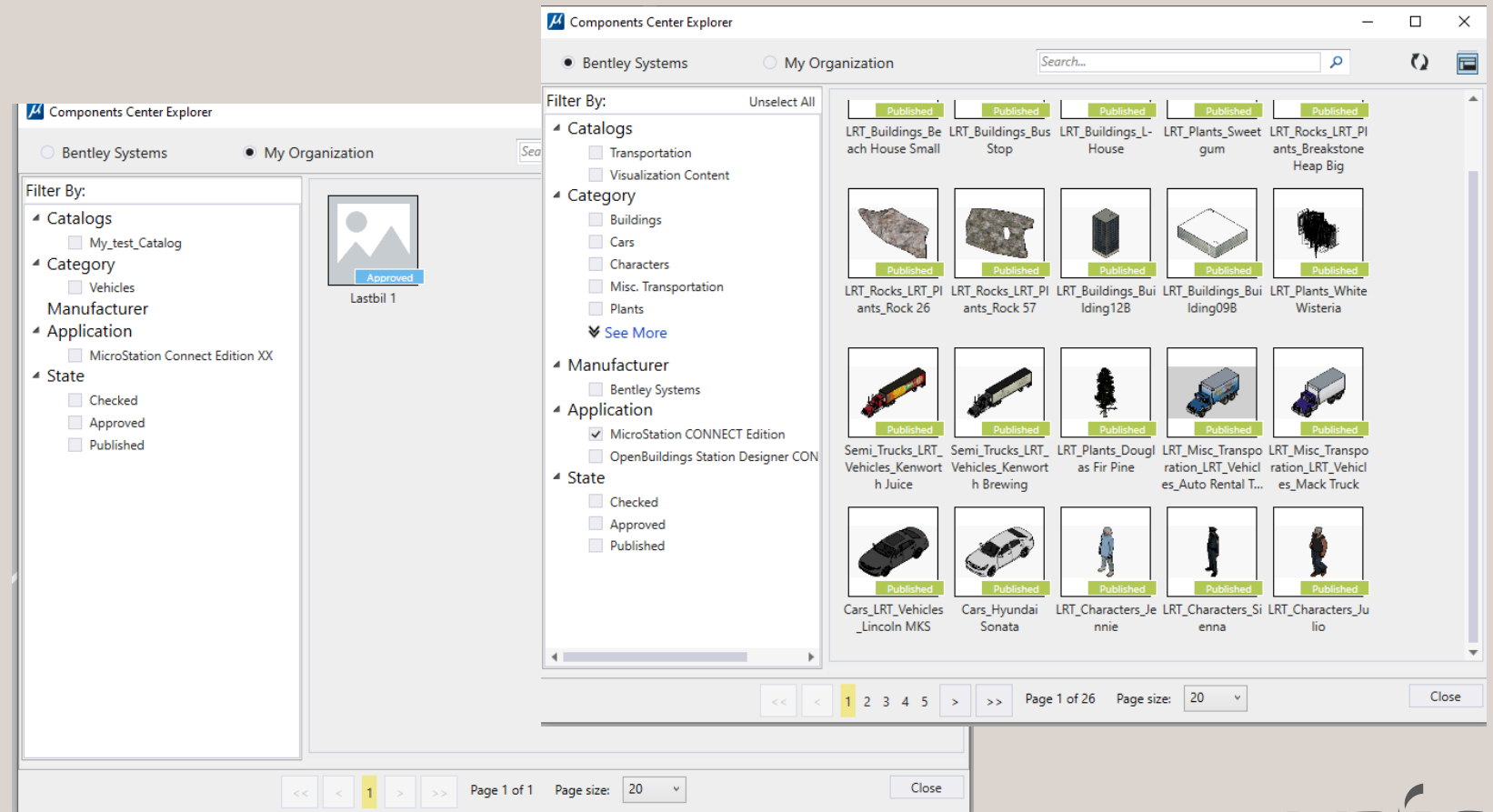
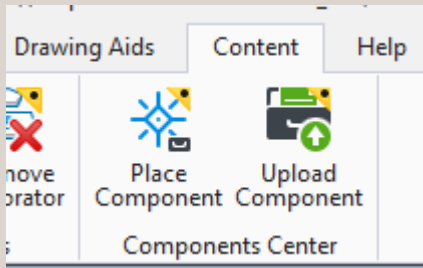
- Et sted hvor du kan få styr på dine celler, blokke, komponenter mv.  
Første ikon dukkede op med MicroStation Connect Edition Update 11



\* Der findes plug-ins så kan også kan tilgå Component Centet  
fra eksempelvis Autodesk AutoCAD Civil 3D og Revit

# 10. Place Component

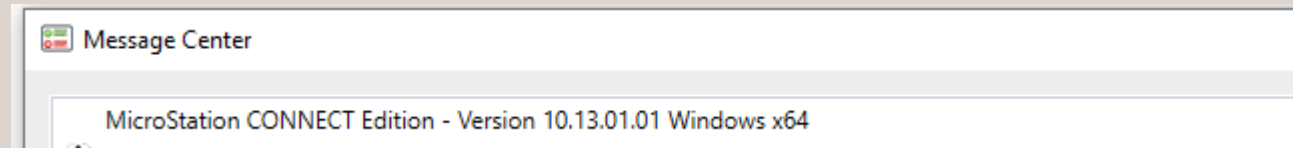
## MicroStation Connect Edition



# 11. Version

MicroStation Connect Edition og MicroStation V8i

- Er du i tvivl om hvilken version, du egentlig sidder og arbejder i?
- Keyin: version  
Og se i message center

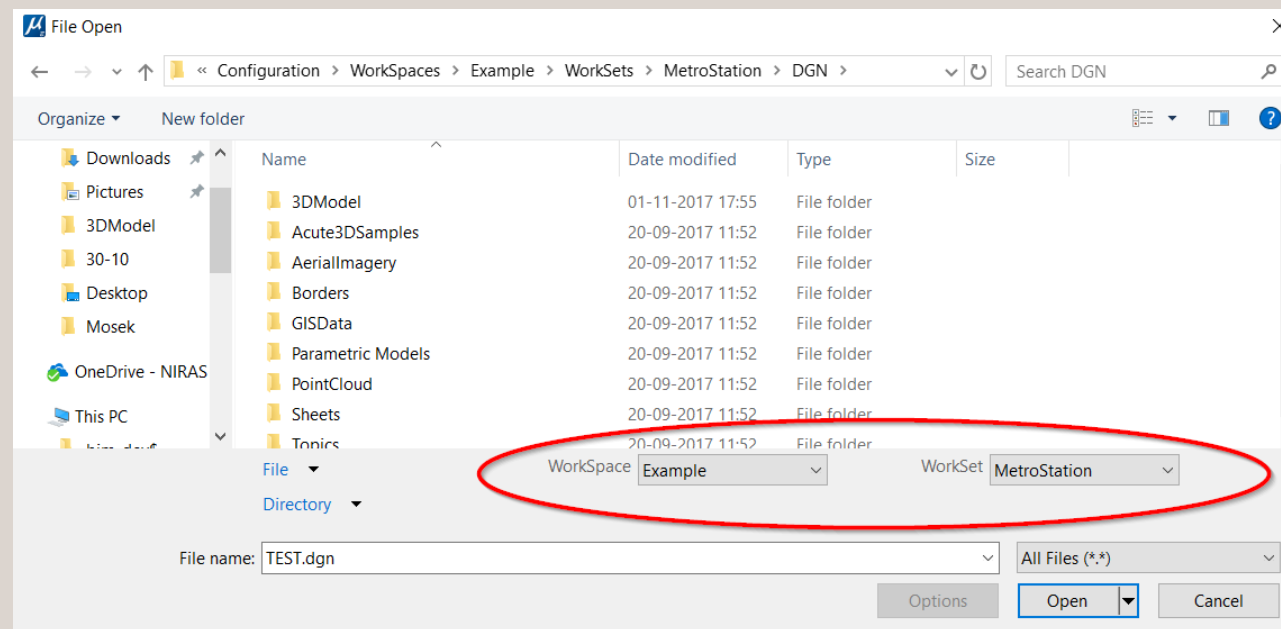


- Virker også i V8i

# 12. File open – skift Workspace on the fly

MicroStation Connect Edition

- File → Browse



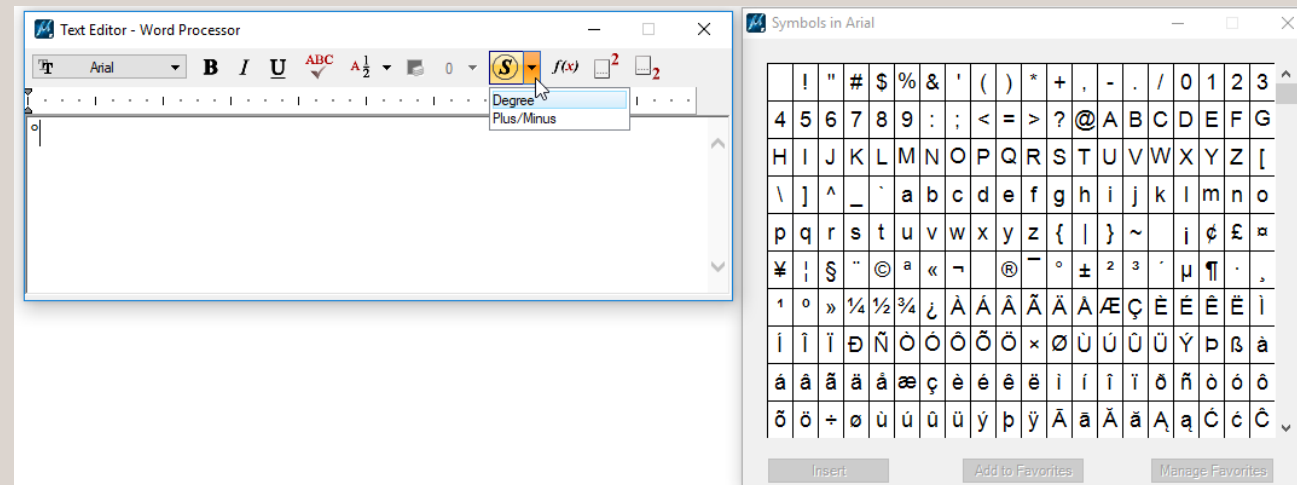
\* Hvis du bruger <CTRL><O> til at åbne dialogboksen, så ser den anderledes ud og her kan du ikke vælge workspace og workset.

# 13. Symbol favoritter

MicroStation V8i & Connect Edition

- V8i:  
....\AppData\Local\Bentley\MicroStation\8.11\o\_Dof88niaENmS1PChQ4Mg\prefs\  
FavoriteSymbols.xml

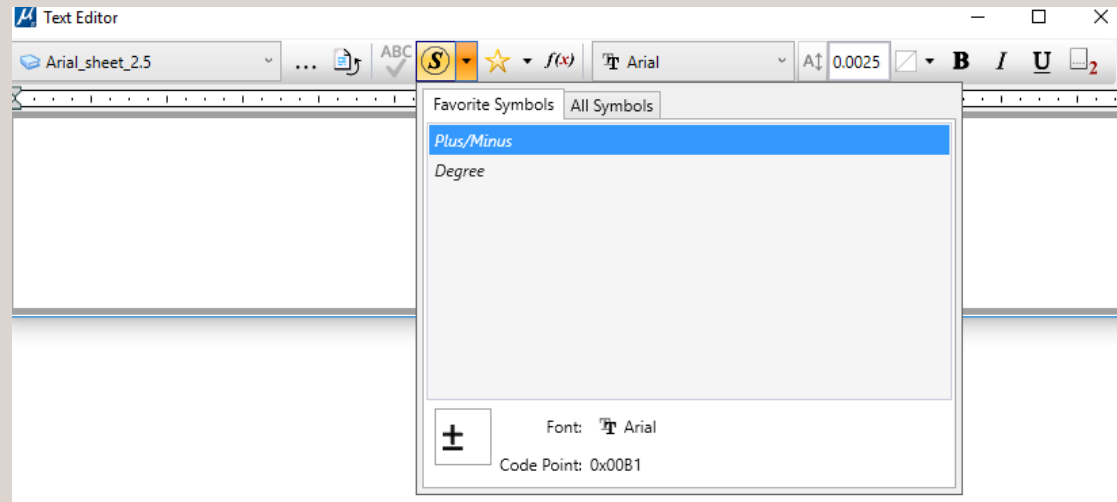
MS\_TEXT\_FAVORITESYMBOLFILE



# 13. Symbol favoritter

MicroStation V8i & Connect Edition

- CE:  
.....\AppData\Local\Bentley\MicroStation\10.0.0\prefs\Personal.DgnTextEditorFavoriteSymbols.xml
- MS\_DGNTXTEEDITORFAVORITESYMBOLS



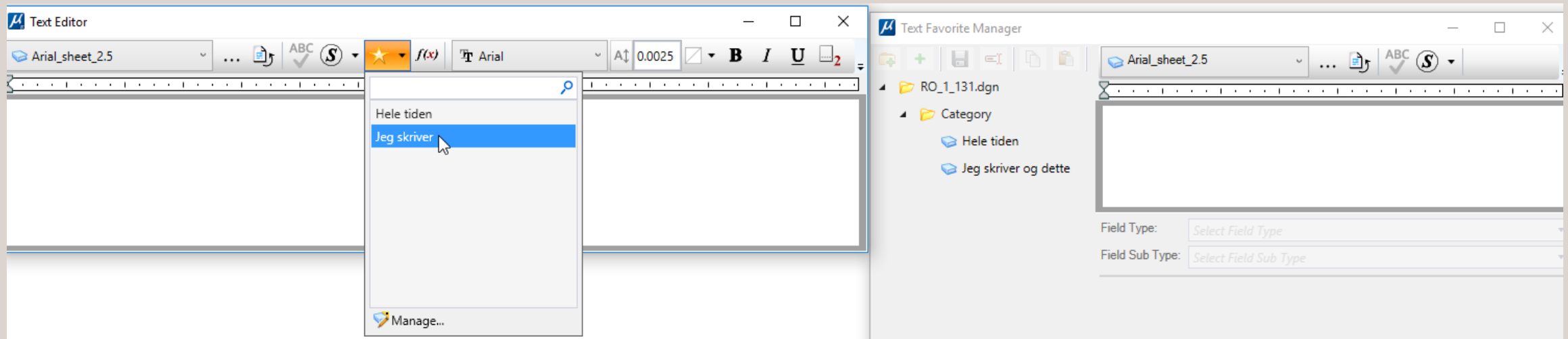


# 14. Tekst favoritter

MicroStation Connect Edition

Ny variabel: MS\_DGNLIBLIST\_TEXTFAVORITES

Jahhh et dgnlib!!



# 15. Match Element

MicroStation V8i & Connect Edition

Tippet der ALTID er med i mine tips & tricks!!! Hvis du nu har glemt det ;)

**<ALT> + Venstreklik/DATA = Match Element From cursor**

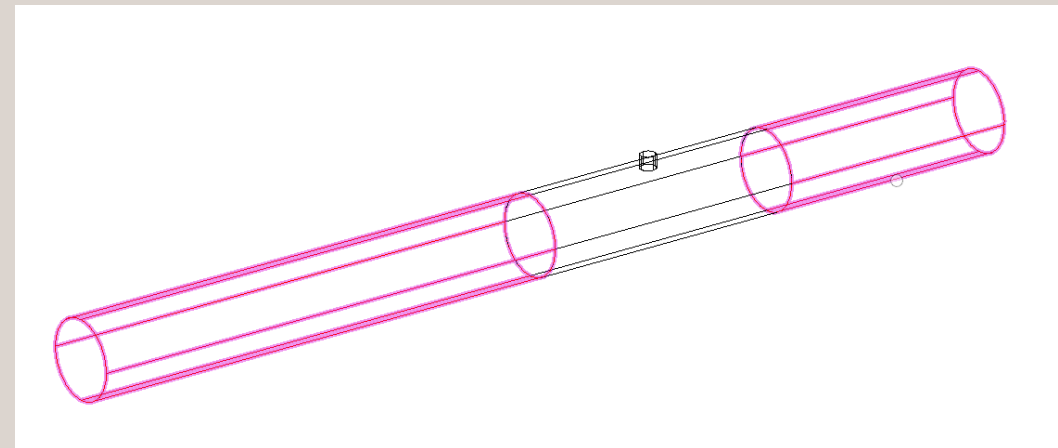
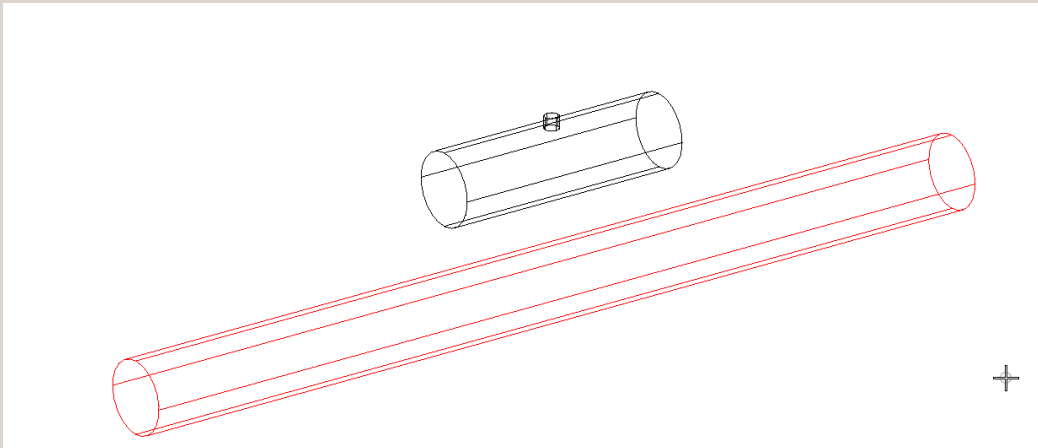
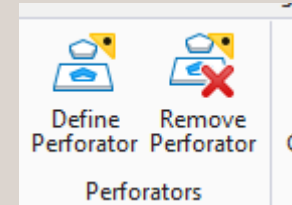
- V8i                      Workspace → Button Assignments → ALT + DATA
- CE                      Backstage → Settings → User → Button Assignments → ALT + DATA

*match attributes from cursor* ændres til: *match element from cursor*

# 16. Perforator

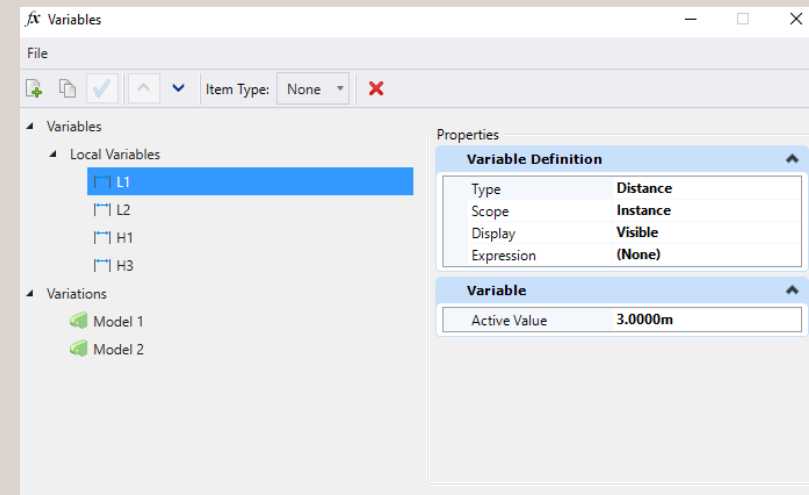
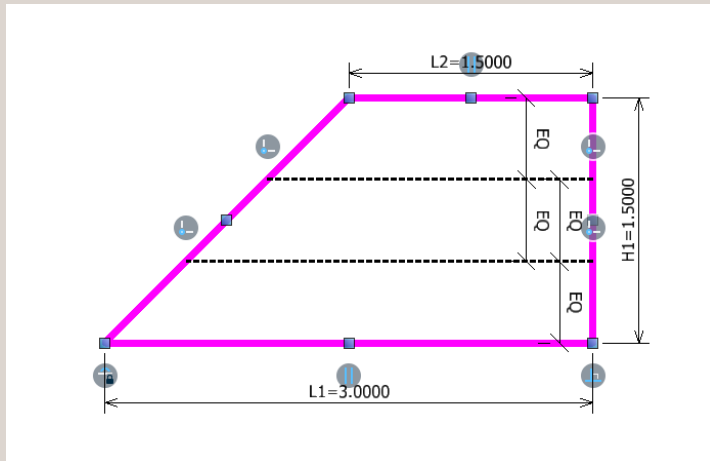
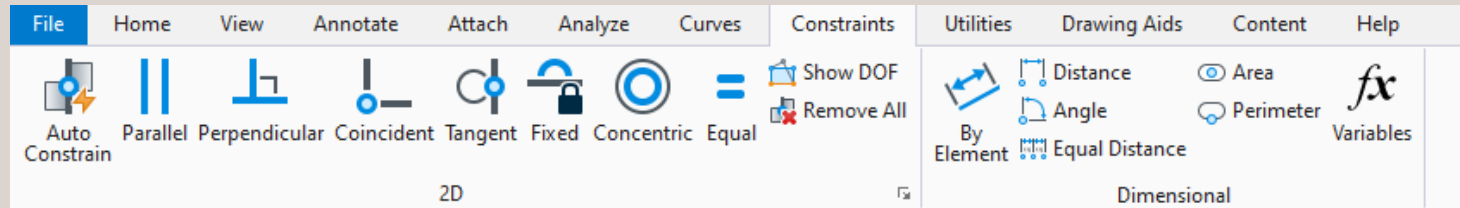
MicroStation Connect Edition

- En parametrisk celle med “deler”



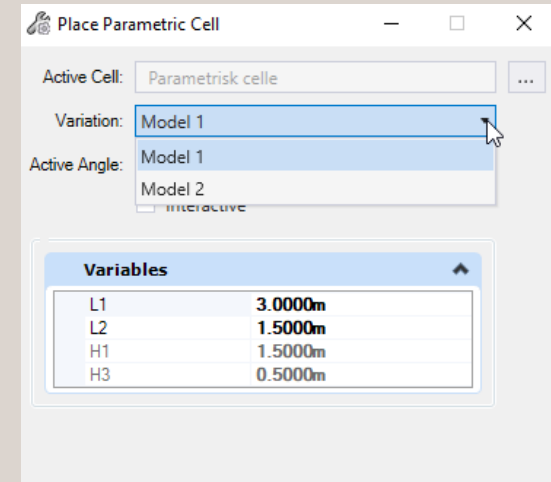
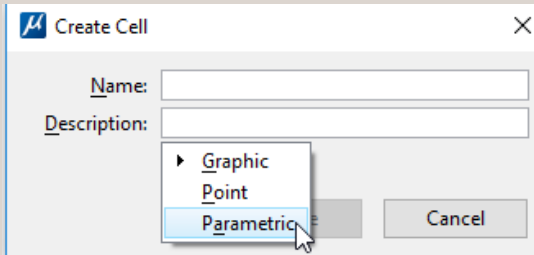
# 17. Constraints

## MicroStation Connect Edition



# 18. Parametriske celler

MicroStation Connect Edition



- En helt almindelig celle, men constraints og variabler og måske variationer
- Desuden...  
Revit families – rfa filer kan anvendes som parametriske celler
- Parametriske celler findes også i MicroStation V8i, der hedder de Dimension driven design – men noget mere tricky ;)

Så er der ikke flere  
tips & tricks denne  
gang!

Jeg håber at vi ses til MicroStation SIG  
møde den 30. Januar 2020 hos SWECO i  
Ørestaden og Odense