



Print Organizer 2D og 3D PDF

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Print Organizer – 2D og 3D PDF

Denne præsentation vil introducere dig for Print Organizer.

Med Print Organizer kan du organisere dine dokumenter i plotsæts, som tilknyttes en og kun en printer. Det vil derfor være fornuftigt at benytte PDF formatet som printformat og senere plote PDF dokumentet.

Når man vælger PDF formatet, har man samtidigt valgt et intelligent digitalt format, som både kan indeholde 2D som 3D information.

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Du kan finde supplerende information i notatet "Plotting 3D Model FAQ", som er udarbejdet af Bentley TSG.

Du kan finde notatet på:

http://communities.bentley.com/products/microstation/microstation_printing/w/wiki/plotting-3d-models-faq.aspx

Plotting 3D Models FAQ - MicroStation Printing - Wik - MicroStation Printing - Be Communities by Bentley Page 1 of 6

MicroStation Printing
This is the community for things related to MicroStation-based printing.

Plotting 3D Models FAQ

Bentley
Technical Support Group

Applies To

Product(s): MicroStation
Version(s): SS 11.00.XX
Environment: N/A
Area: Printing
Subarea:
Original Author: Dawn Clentry, Bentley Technical Support Group

What are the rules to follow when printing Dynamic Views?

Many times when printing Dynamic Views in MicroStation, the desired results may not be what is expected. Whether printing from MicroStation or using InterPlot, the render mode defined in the display style determines whether Rasterized mode is required to achieve the desired results.

MicroStation can print regular hidden line in non-rasterized mode, which is a new feature in V8i, but filled hidden line will not print the file unless rasterized mode is enabled. In this case, rasterized mode is not enforced; you can print filled hidden line in non-rasterized mode, but it'll look like regular hidden line. If the view is affected by multiple display styles, the highest render mode in the view controls whether rasterized print mode is enforced. For example, if any display style is shaded, the entire view must be rasterized.

Regarding the use of pen tables, understanding the interactions between traditional pen table element-based output editors and the modern dynamic view system is not simple. In general, one should choose to use Dynamic Views OR element-based pen tables - not both. However, it should be noted that pen maps defined in a MicroStation pen table will work and can be used in a Dynamic View workflow. The reason for this is because the pen maps are applied to all elements and not based on element selection criteria. A similar effect can be achieved using InterPlot design sheets.

If the above recommendations do not give you the desired results, the best practice for printing Dynamic Views is to set the Visible Edges to Cached rather than Dynamic in the reference file attachment settings.

See Release 11.00.0000 Visible Edge Storage for more details regarding Cached visible edges.
http://communities.bentley.com/products/microstation/microstation_v8i_Misc/arc/hiv20120522new.html#cached-visible-edge-storage.aspx

What format is used in Bentley's 3D PDF's?

Bentley created universal 3D (U3D) PDF output.

- Standardized by ECMA International in August 2005 as ECMA-303
- Not fully supported by PDF since Adobe Acrobat and Reader ver 7
- Bentley started creating PDF's with U3D data in MicroStation and InterPlot V8 2004 Edition
- Support of PDF's with U3D
 - Support U3D only comes from MicroStation

How do I create a 3D PDF?

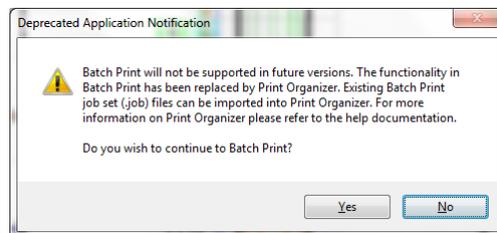
http://www.bentley.com/portal/technical/microstation_printing/wiki/plotting-3d-models-faq.aspx 2/11/10

Du bør benytte ProjectWise InterPlot (IPLOT), ProjectWise InterPlot Organizer eller MicroStation Print Organizer, når du vil standardisere intelligente PDF dokumenter.

Dette skyldes, at du har behov for at standardisere resymboliseringen, og at du derfor har behov for en god pentabel og at kunne benytte fælles ressourcer som er organiseret i workspaces.

I denne præsentation benyttes MicroStation Print Organizer.

Intentionen med Print Organizer var, at den skulle erstatte MicroStation Batch Print.



Grundlæggende er Print Organizer reelt en mindre udgave af InterPlot Organizer, som er blevet indbygget i MicroStation og tilpasset med en anden brugersnitflade. Print Organizer er således ikke et selvstændigt program.

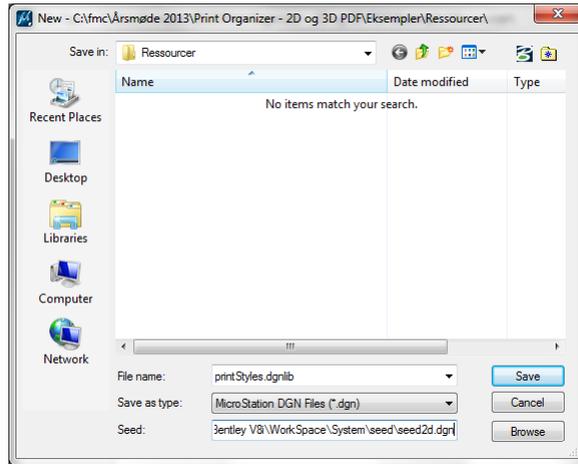
Opsætning af Print Organizer

For at kunne lave PDF filer i Print Organizer skal du først have lavet dine opsætninger (Print Styles) til PDF. Opsætningerne laves i MicroStation, og de skal ligge i et dgnlib.

Et printstyle dgnlib oprettes på følgende måde.

Opsætning af Print Organizer

Benyt en standard 2D seedfile som seedfile for dgnlib'et.

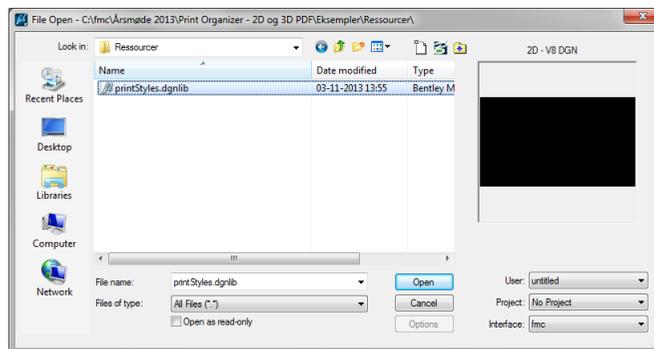


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Opsætning af Print Organizer

Åben det oprettede dgnlib printStyles.dgnlib.

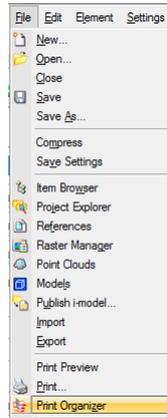


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Opsætning af Print Organizer

Start Print Organizer

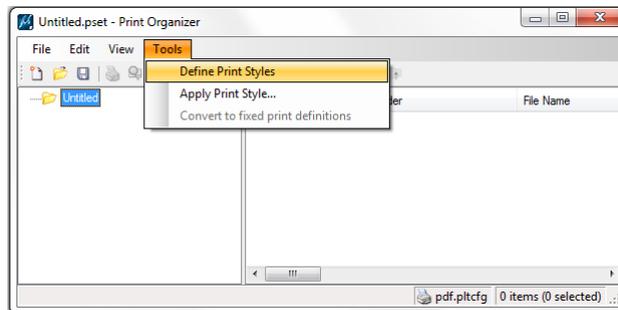


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Opsætning af Print Organizer

Vælg Tools > Define Print Styles

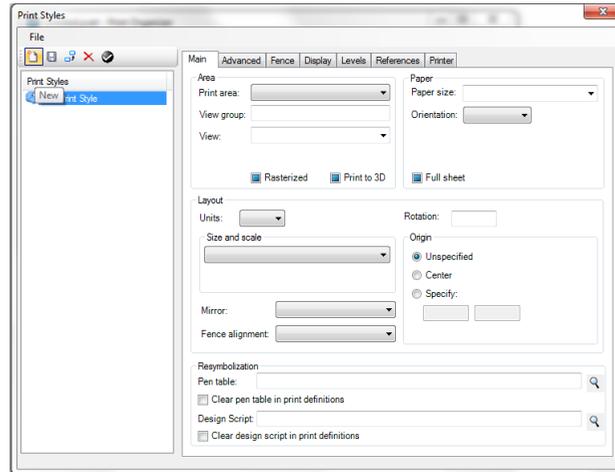


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Opsætning af Print Organizer

Start med at oprette en ny Print Style.

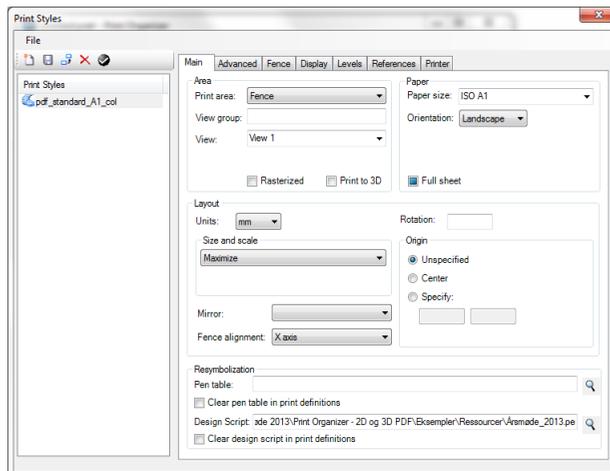


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Opsætning af Print Organizer

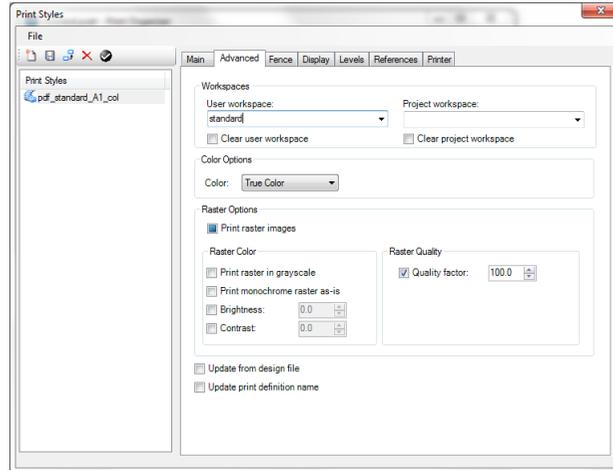
Fortsæt med at tilpasse print stilen - Main



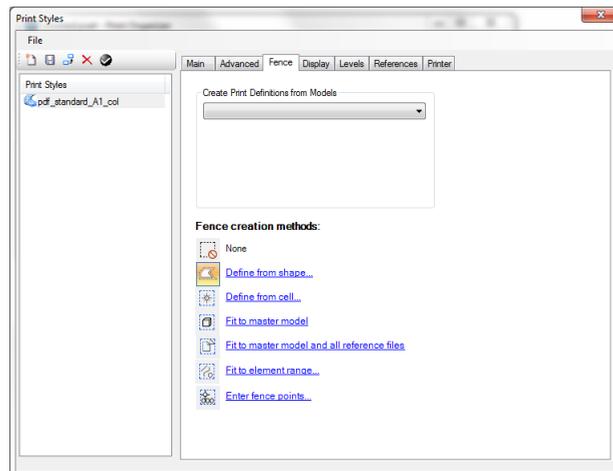
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Advanced

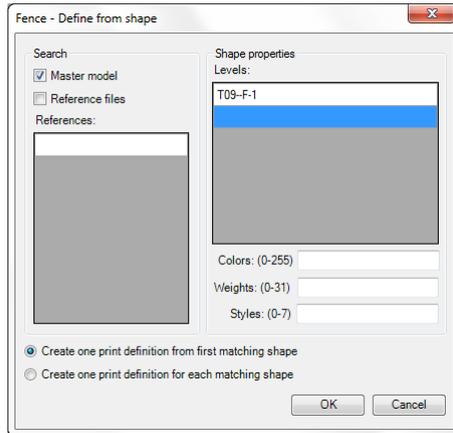


Fence



Opsætning af Print Organizer

Fence

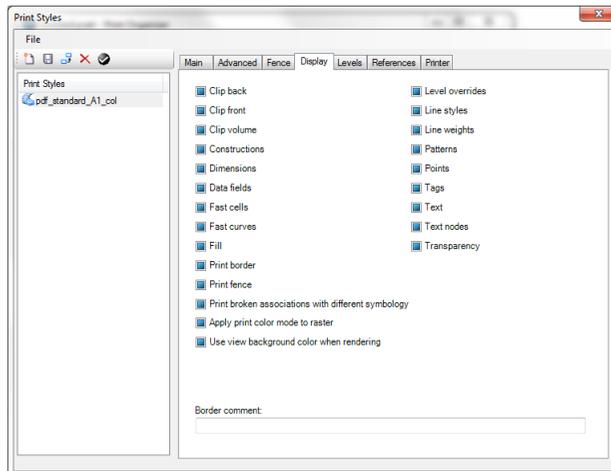


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Opsætning af Print Organizer

Display

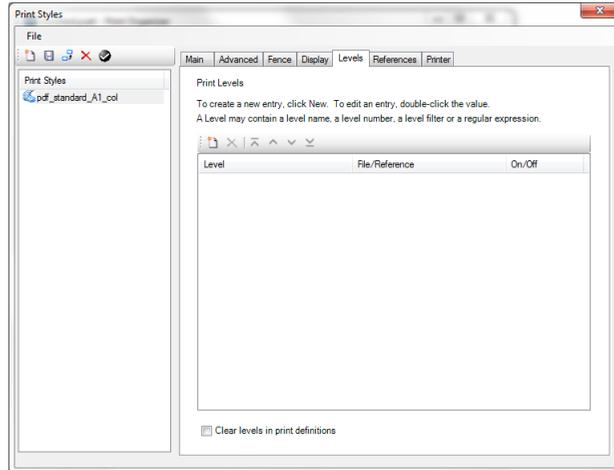


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Opsætning af Print Organizer

Levels

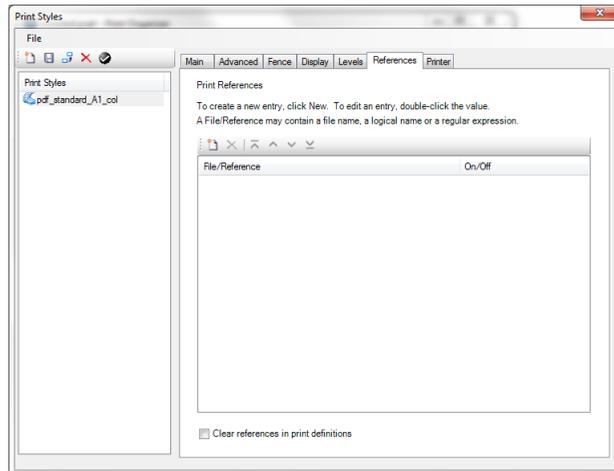


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Opsætning af Print Organizer

References

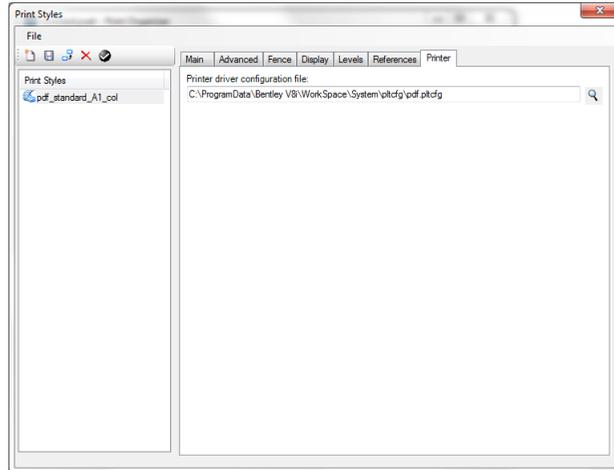


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Opsætning af Print Organizer

Printer



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Opsætning af Print Organizer

Gem dernæst ændringerne.



Vælg Workspace > Configuration

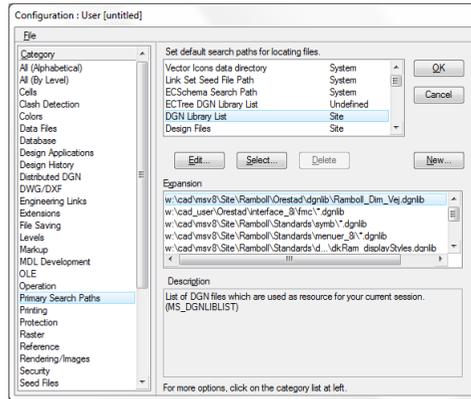


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Opsætning af Print Organizer

Find Primary Search Paths > DGN Library List



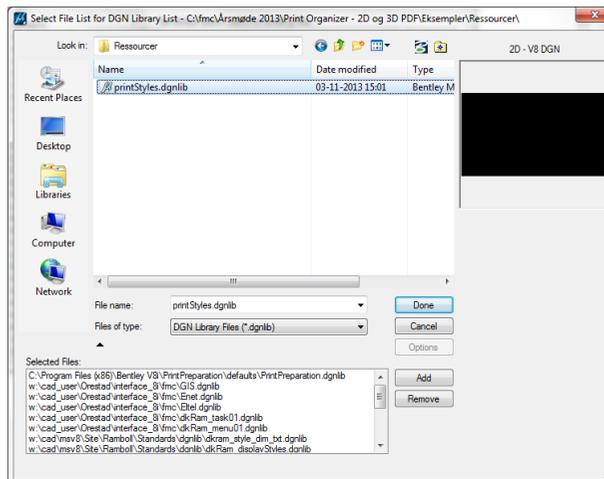
Aktiver Select knappen

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Opsætning af Print Organizer

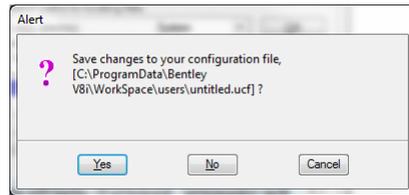
Find file printStyles.dgnlib



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Aktiver Done knappen og dernæst OK knappen.



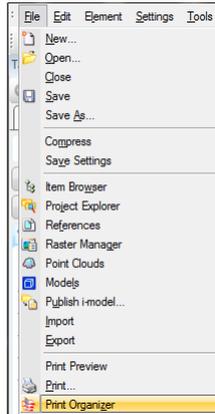
Accepter ved Yes knappen.

Du kan dernæst lukke ned printStyles.dgnlib i MicroStation.

Plotning med Print Organizer

Plotning med Print Organizer

Print Organizer skal startes inde fra MicroStation.

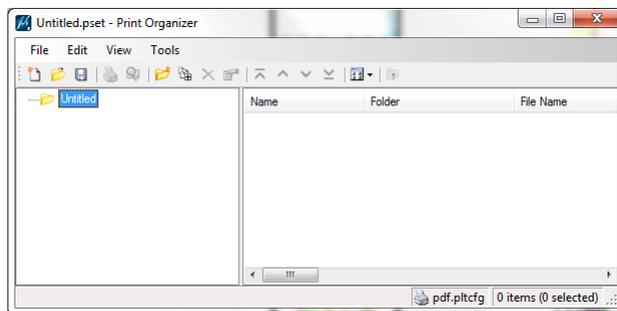


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Plotning med Print Organizer

Som i InterPlot Organizer (eller Batch Print) begynder man med at oprette et plotsæt.

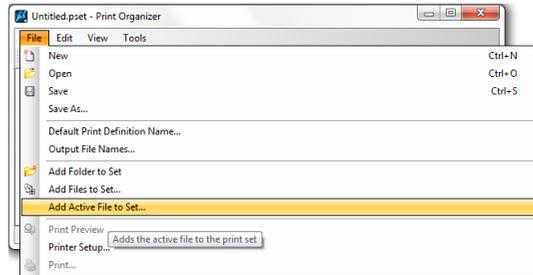


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Plotning med Print Organizer

Start med at tilføje den aktive model til plotsættet.

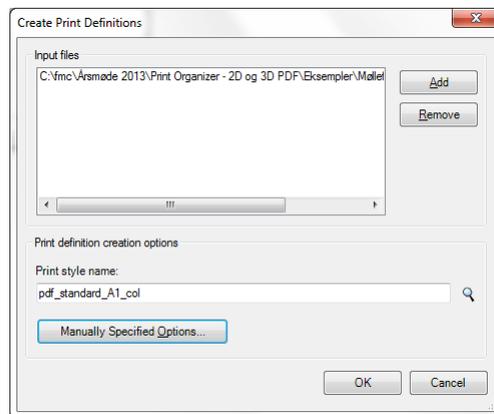


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Plotning med Print Organizer

Tilføj evt. flere modeller og vælg den ønskede print style.

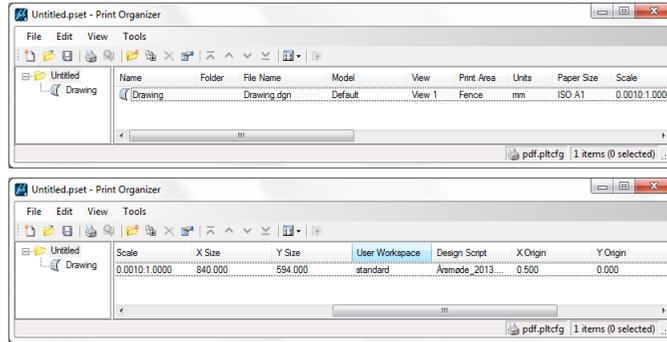


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Plotning med Print Organizer

Bemærk, at Print Organizer har benyttet de ønskede print style opsætninger.

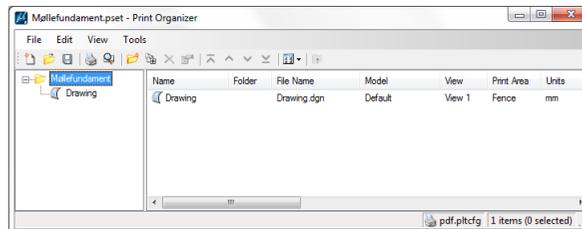


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Plotning med Print Organizer

Giv plotsættet et navn ved brug af Save As.

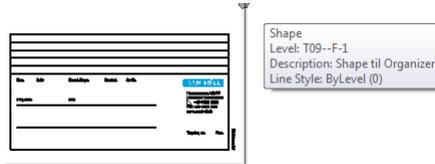


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Plotning med Print Organizer

Bemærk, at plottets udstrækning blev beregnet ud fra shapen på laget T09--F-1

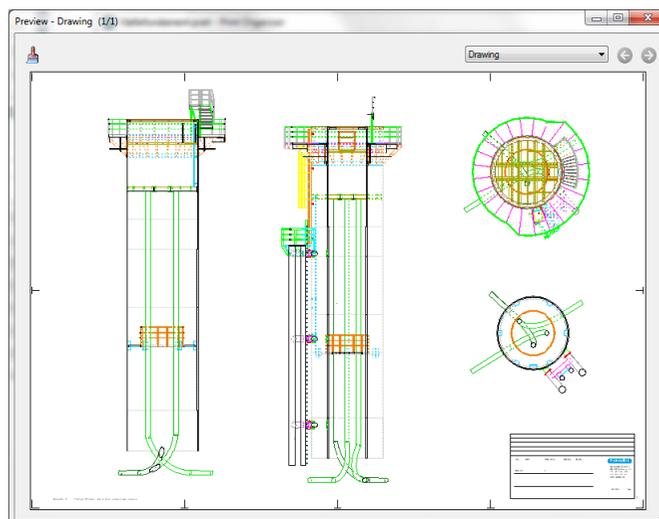


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Plotning med Print Organizer

Preview af plottet.



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Pentabeller

Pentabeller

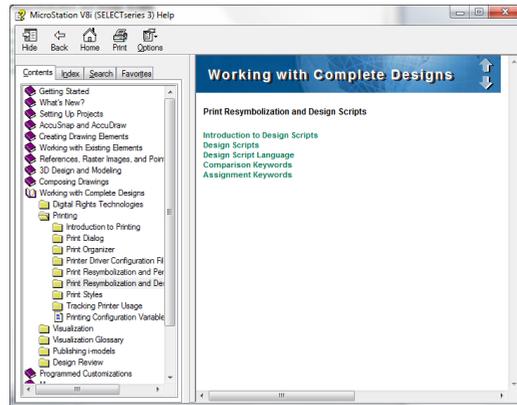
Print Organizer kan benytte InterPlot pentabeller, hvilket giver dig en række ekstra muligheder, som ikke findes i MicroStation pentabeller.

Du skal dog være opmærksom på, at ikke alt funktionalitet er indbygget i Print Organizer. Så benytter du en IPLOT pentabellen vil den blive eksekveret, men ikke alle funktioner vil blive udført.

F.eks. understøttes indsættelse af book marks, digital signatur, attachments, multimedia, interne links og eksterne links ikke.

Pentabeller

Dokumentationen for pentabellen (Design Scripts) skal du finde i MicroStation Help.



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Print Organizer – 2D og 3D PDF

Organisering af plotsæt

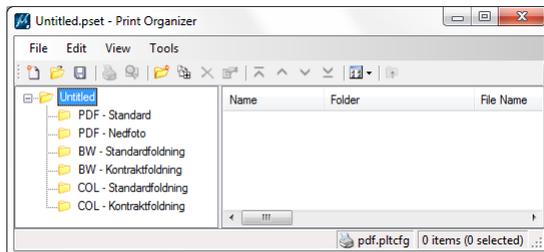
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Organisering af plotsæt

Til et plotsæt kan man kun tilknytte en printer ad gangen.

Plotsættet kan f.eks. organiseres efter printere:

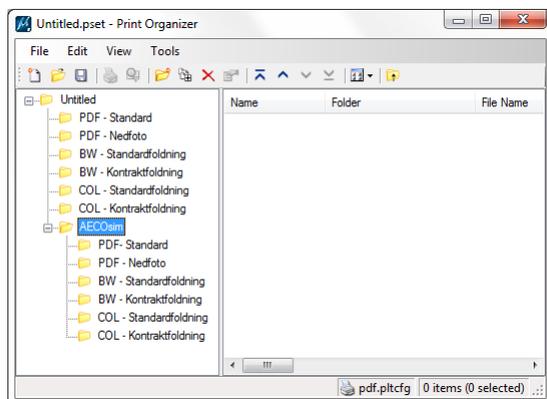


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Organisering af plotsæt

For applikationer, såsom AECOSim, kan det være nødvendigt at samle sine plots som vist på næste billede:

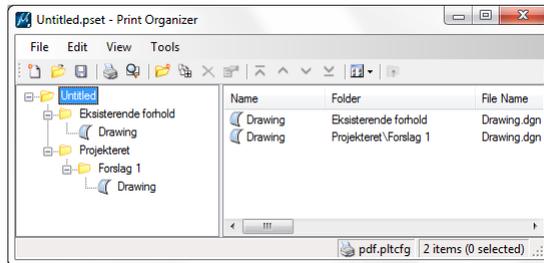


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Organisering af plotsæt

For et projekt kunne strukturen være følgende.

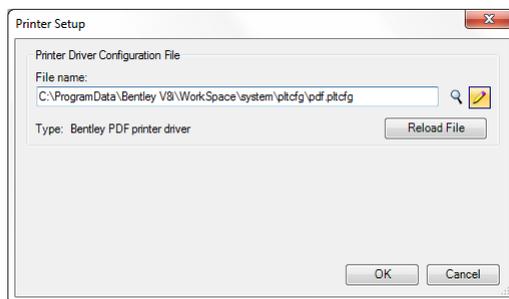


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Organisering af plotsæt

Og er PDF printeren sat op med book marks m.m.

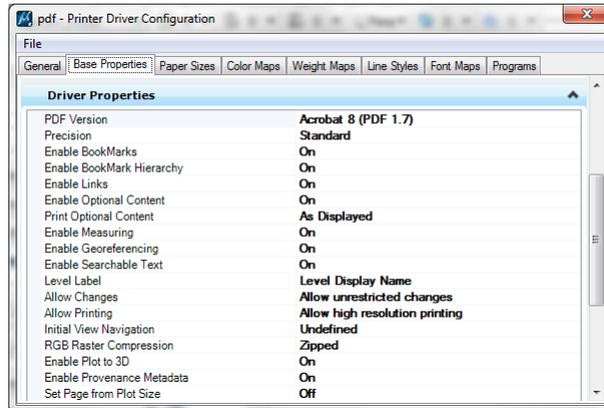


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Organisering af plotsæt

Dvs., med Enable BookMarks og Enable BookMarks Hierarchy

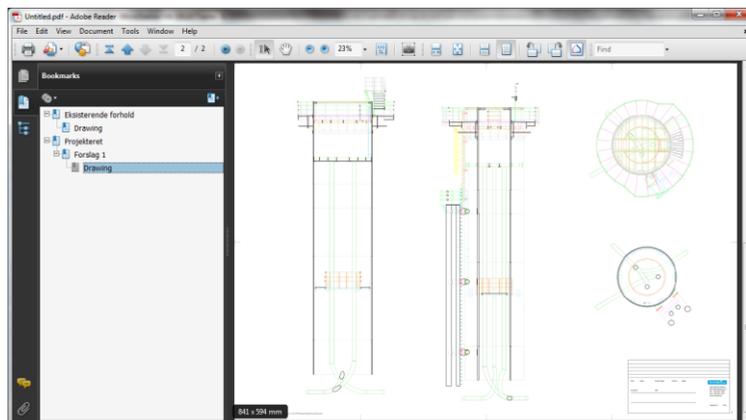


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Organisering af plotsæt

Får du opbygget indholdsfortegnelse i PDF filen.

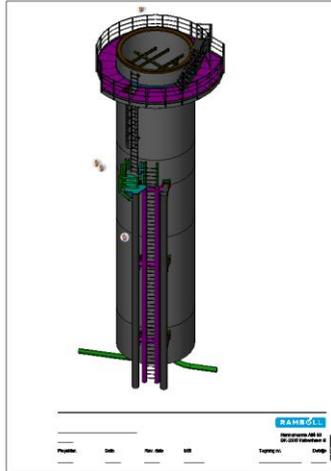


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Organisering af plotsæt

Dokumentation af 3D modellen i et A4 bilag.

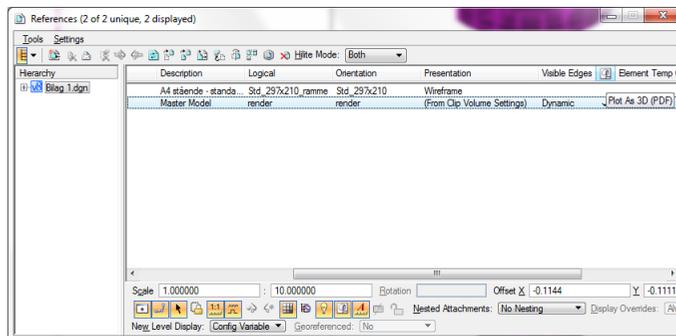


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Organisering af plotsæt

Marker referencen som Plot As 3D (PDF).

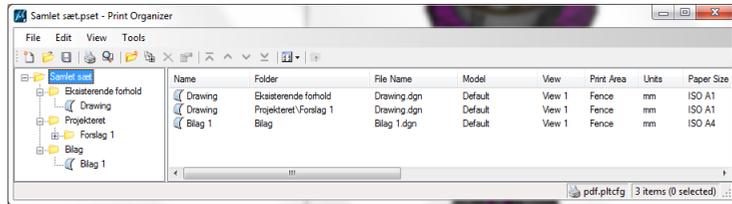


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Organisering af plotsæt

Tilføj den til plotsættet. F.eks. som Bilag.

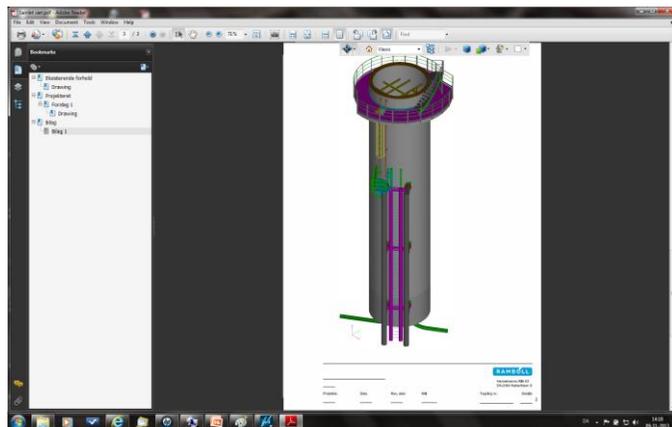


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Organisering af plotsæt

Resultatet bliver.

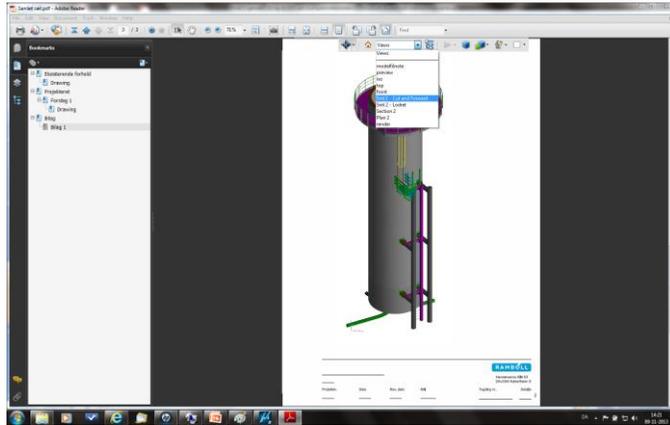


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Organisering af plotsæt

Inklusiv de views som vises på tegningerne.



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Print Organizer – 2D og 3D PDF

3D PDF

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3D PDF

Du kan plotte til 3D PDF med Print Organizer.

Du skal blot huske, at visse opsætninger skal sættes via. MicroStation Print.

Du skal justere parametrene i PDF gruppen.

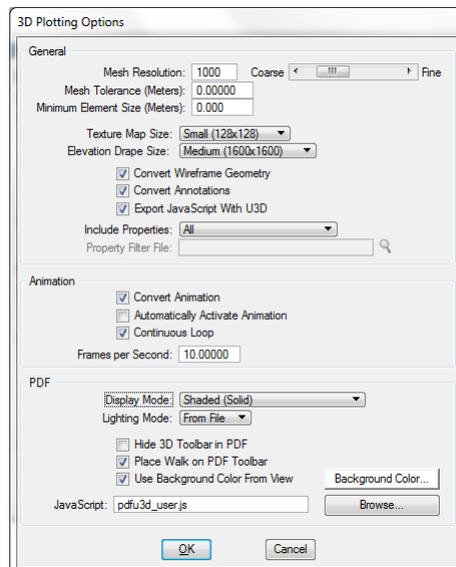
Du kan ændre filstørrelsen af PDF filen ved at justere parametrene i General gruppen.

Ændringerne skal gemmes med en Save Settings.

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3D PDF

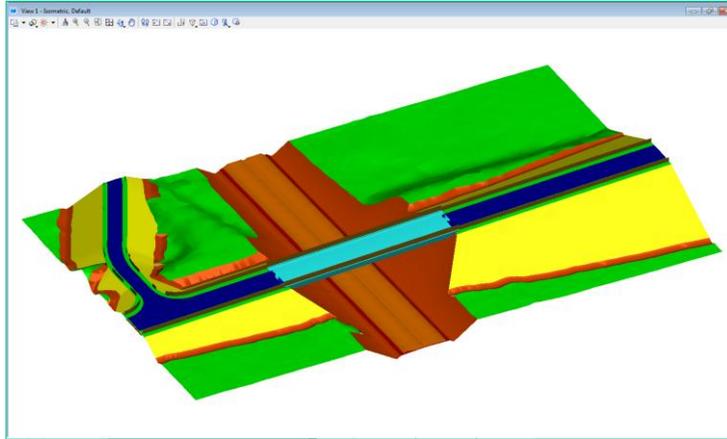


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3D PDF

**Du kan plotte til 3D PDF fra 3D modeller.
Du kan ikke benytte fence, men du kan benytte clip funktionerne.**

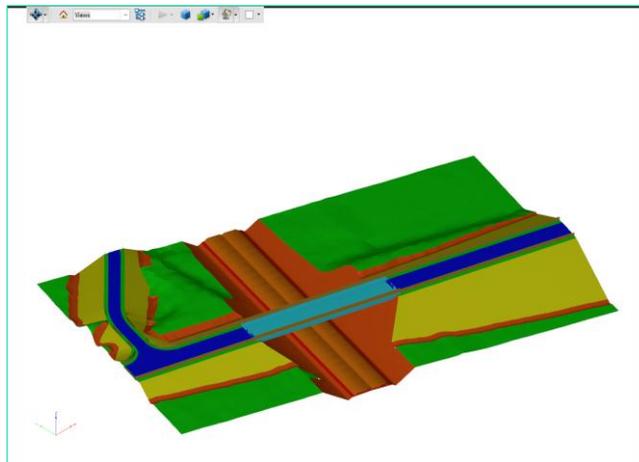


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3D PDF

En 3D PDF fil vil få følgende indhold.



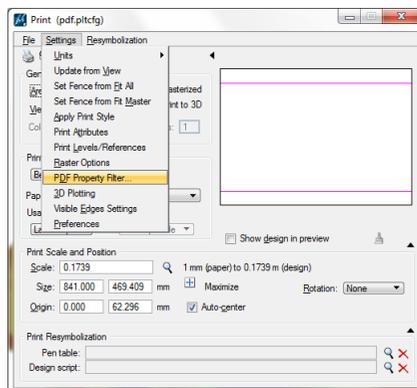
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3D PDF Properties

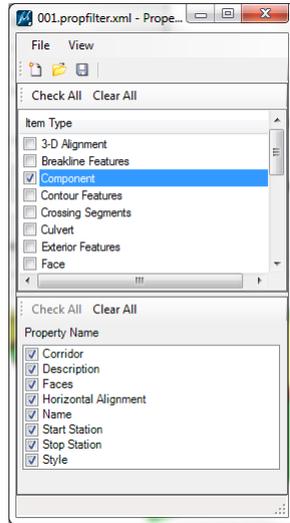
3D PDF properties

Du kan overføre beskrivende information til PDF filen. Du skal starte med at aktivere PDF Property Filter i 3D modellen.



3D PDF properties

Marker de ønskede properties og gem opsætningen.

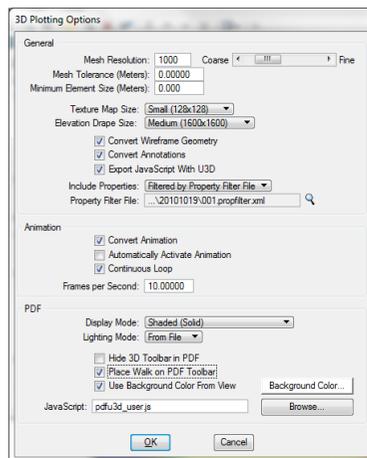


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3D PDF properties

Vælg de valgte properties.

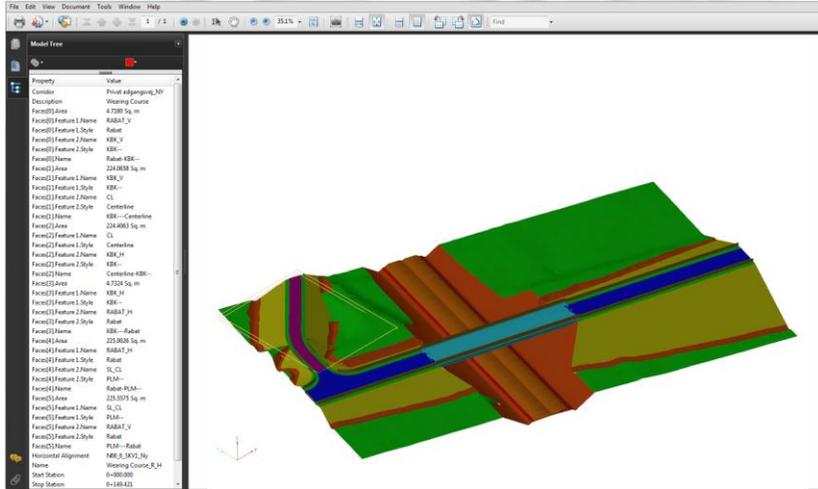


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3D PDF properties

Printet fra Print Organizer har nu følgende indhold.



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Print Organizer 2D og 3D PDF

Spørgsmål.

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