

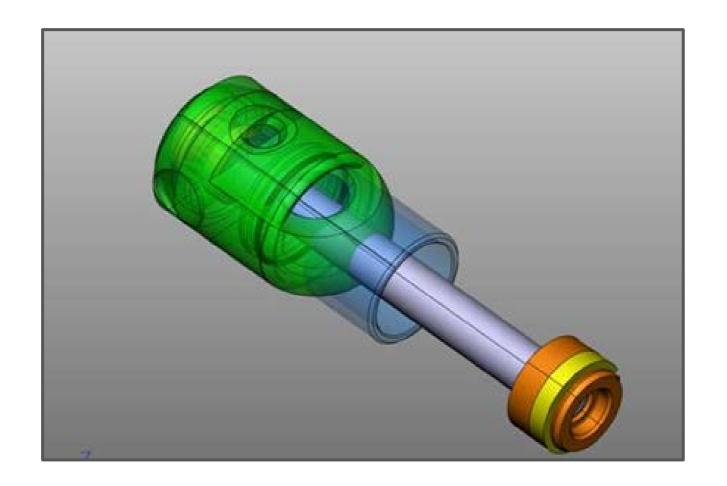


Uwe H. Helber, T-Systems

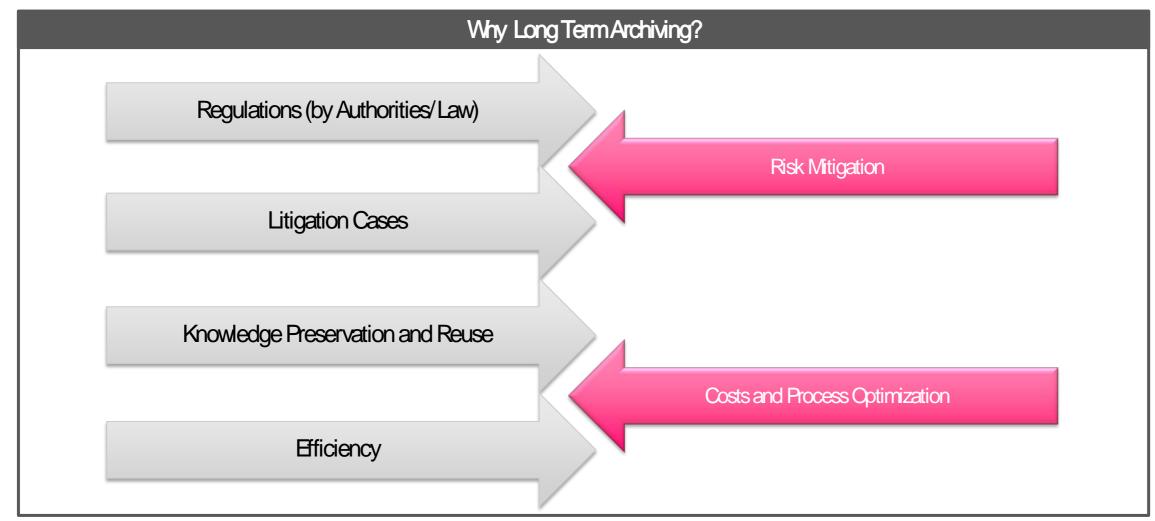
09.12.2016



Archiving of Digit al 3DAssemblies DESIGNED 3D OBJECTS/Assemblies



Long Term Archiving Key Mot ivat ion

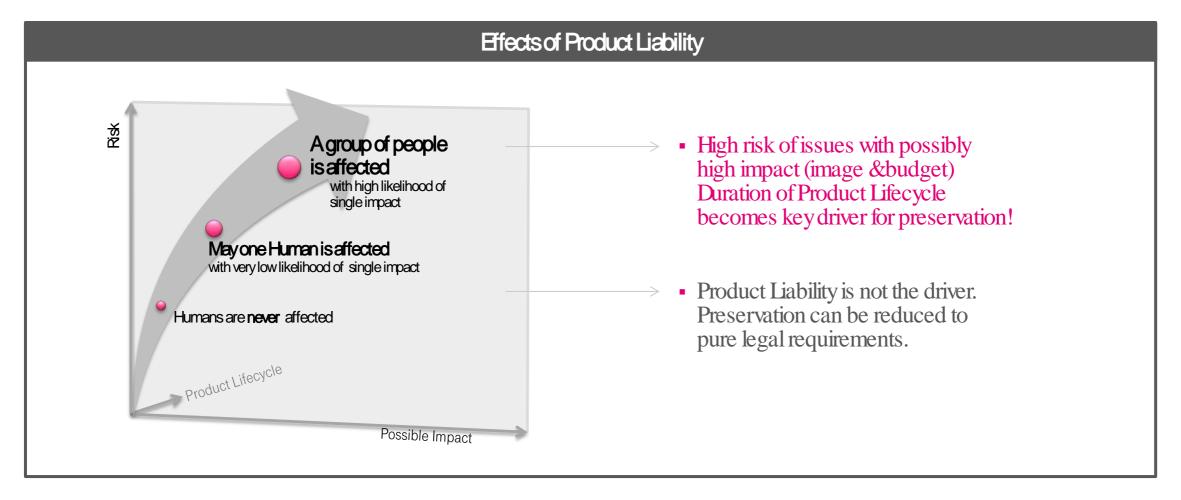


Long Term Archiving Introduction (1)

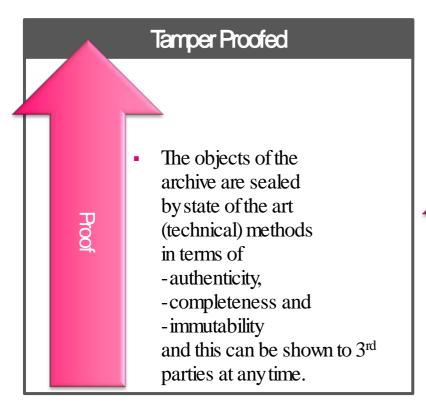
General Archiving Topics

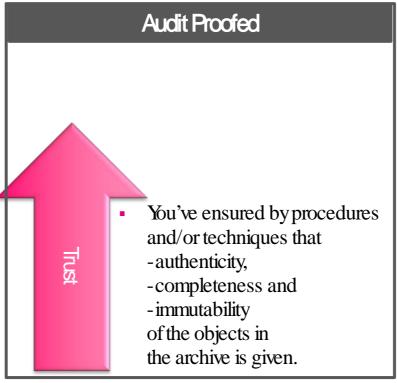
- According to product liability the product design, the product tests, the
 manufacturing process, the support services have to be documented and the
 producer need to be able to provided these documents during the hole
 lifetime of the product.
- This means to ensure the immutability, authenticity and readability of the electronic files in an archive application over the time even the lifetime of the product is very long (70 years and longer).

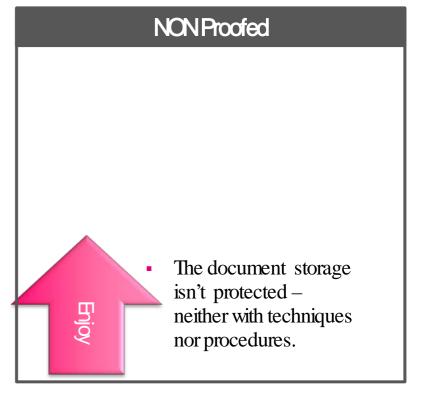
Long Term Archiving Risk Mit igat ion



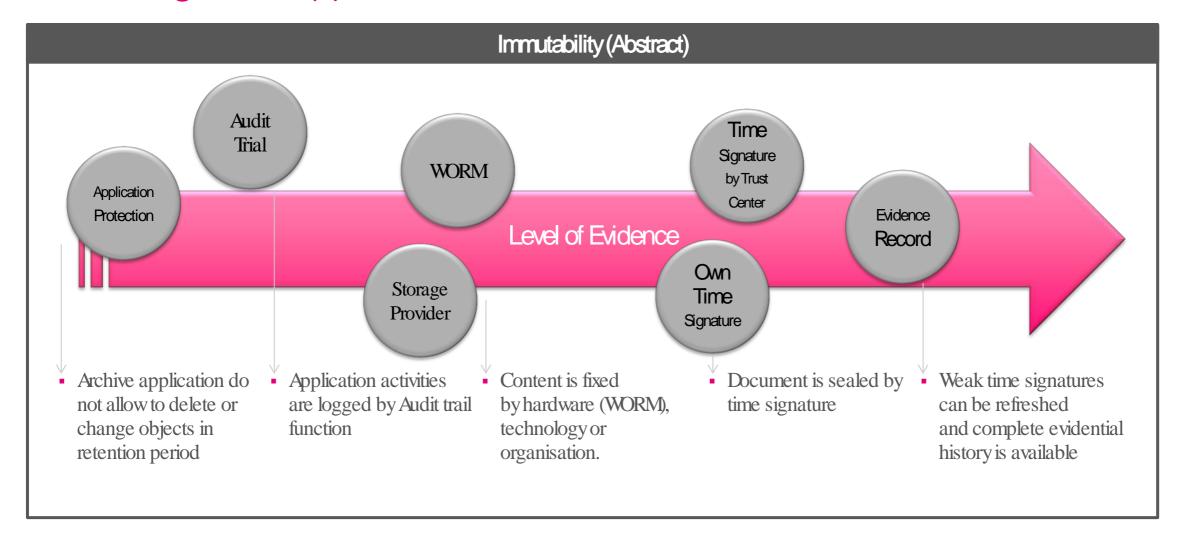
Long Ter m Ar chiving Qual it y of an Ar chive



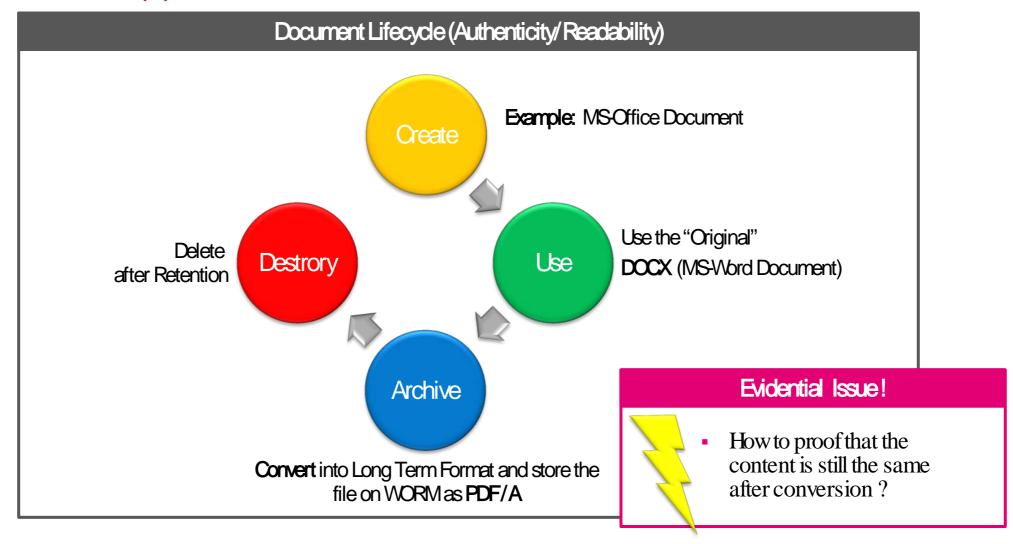




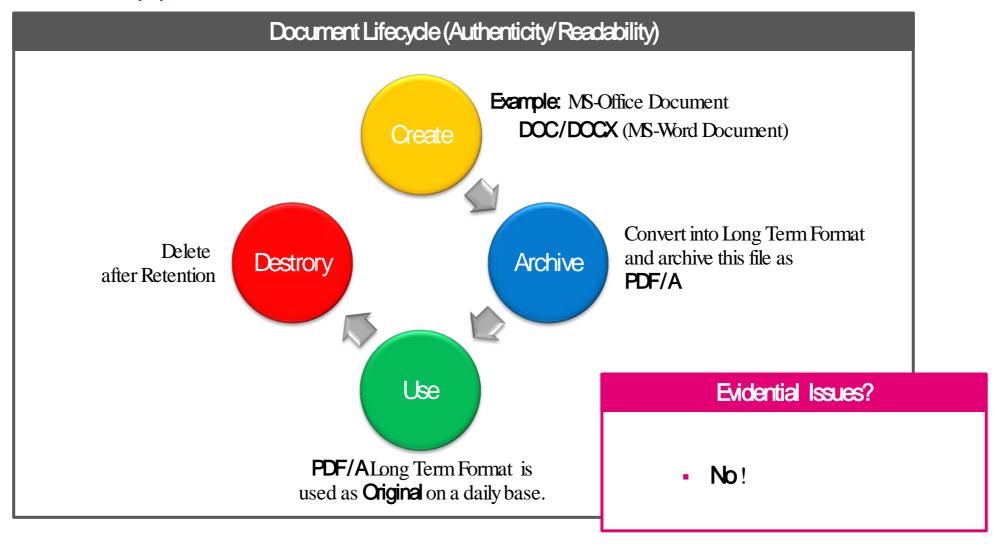
Long Term Archiving Risk Mit igat ion (2)



Ar chiving of Digit al 3DAs semblies Introduction (2)

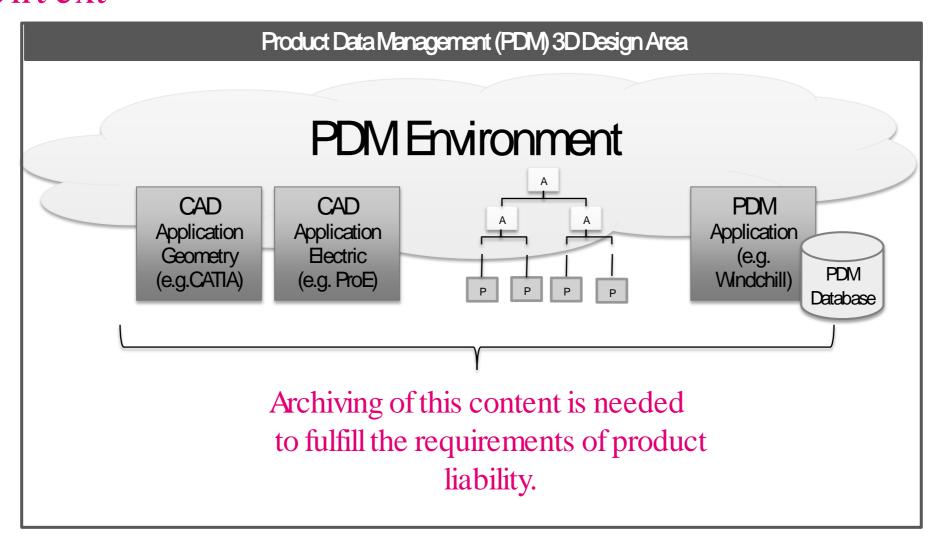


Archiving of Digital 3DAssemblies Introduction (3)

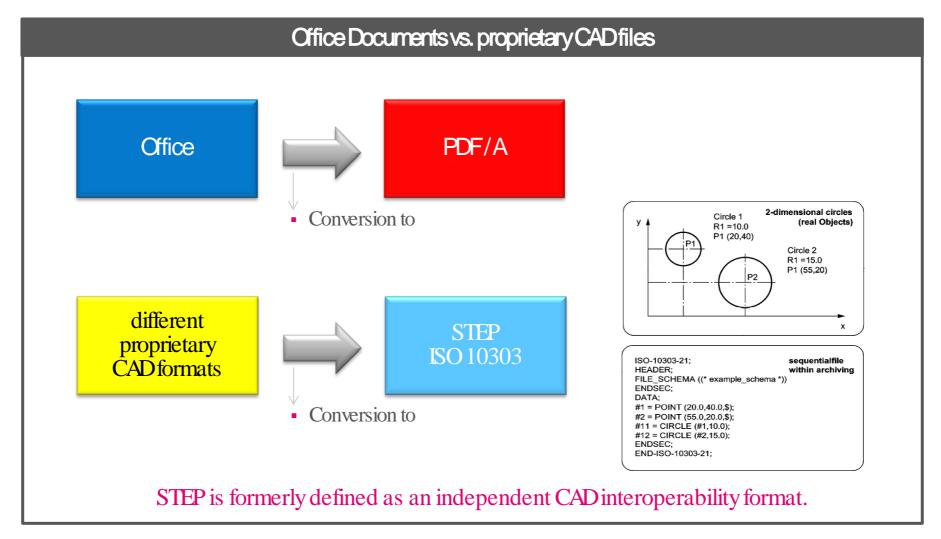


T··Systems

Archiving of Digital 3DAssemblies PDM Context

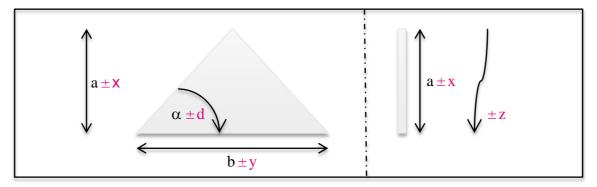


Archiving of Digital 3D Assemblies LONG TERM FILE For mats



Ar chiving of Digit al 3DAssemblies sTEP diver sit y

• 3DCADModel is not just the representation for the viewing in a browser

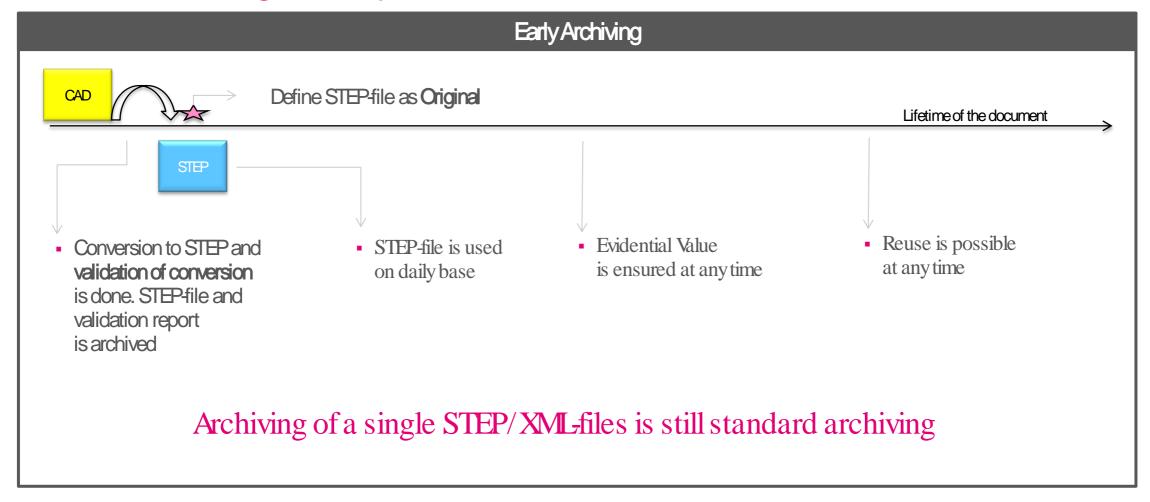


- Other items
 - Manufacturing Tolerances
 - Materials
 - Wired Harness
 - Electric
 - ..

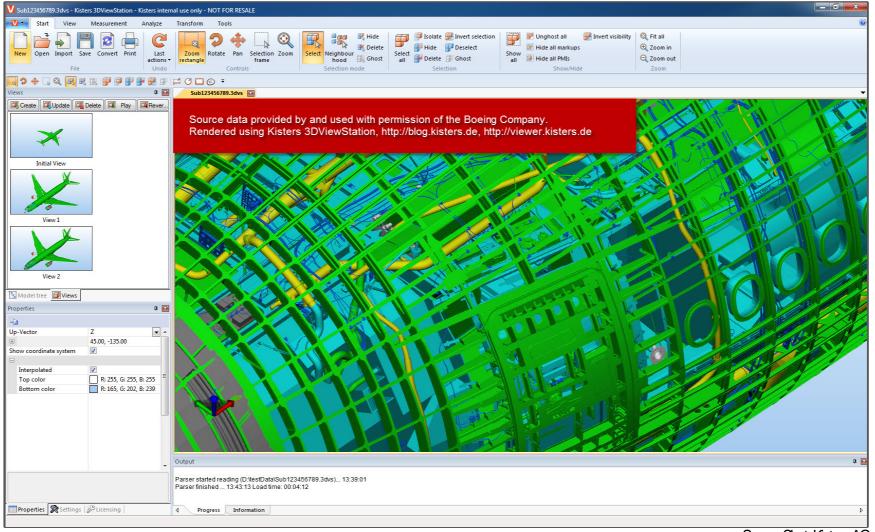
STEP-format have to meet all business requirements of 3D design.

STEP ISO 10303

Ar chiving of Digit al 3DAssemblies STEP Ar chiving Lifecycle

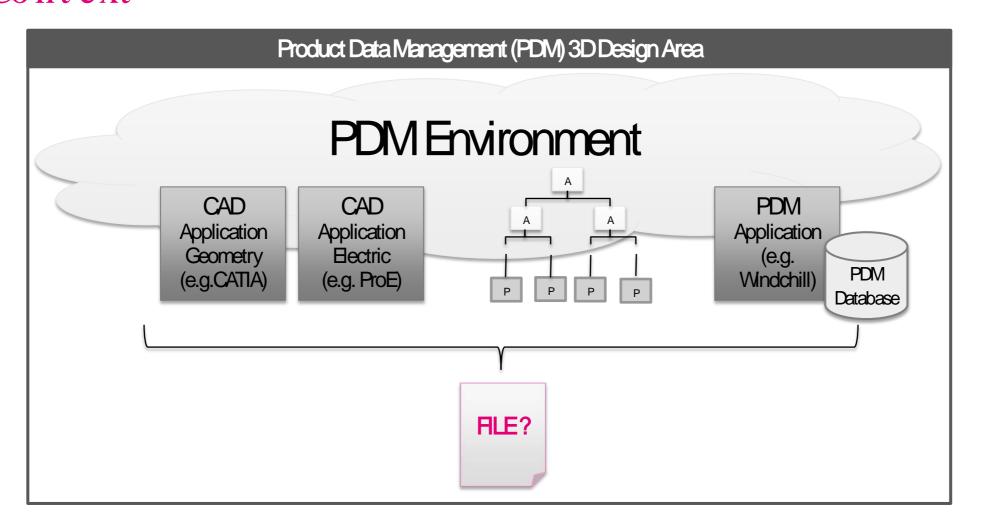


Ar chiving of Digit al 3DAs semblies Compl exit y

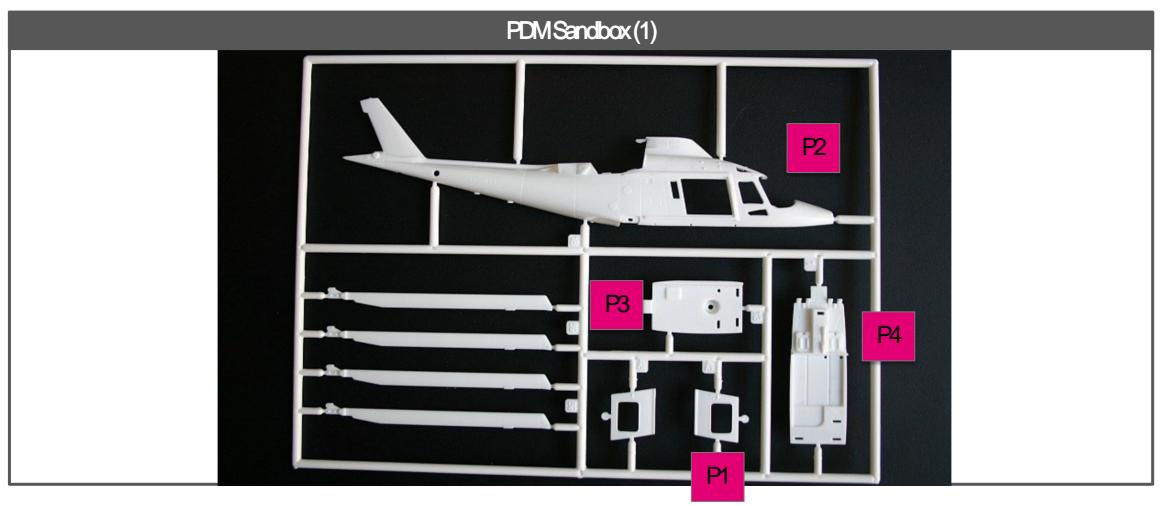


Screen Shot: Kisters AG

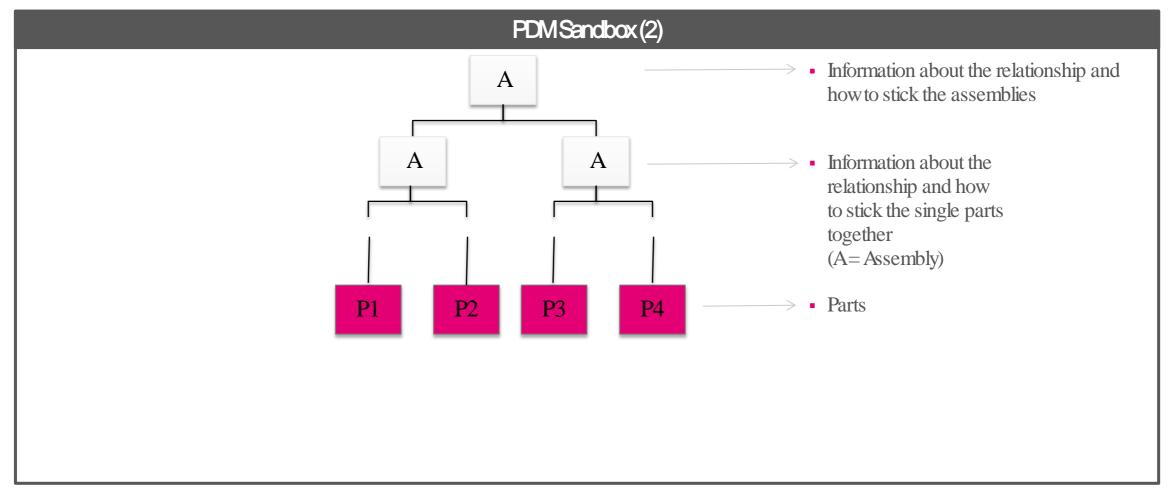
Archiving of Digital 3DAssemblies PDM Context



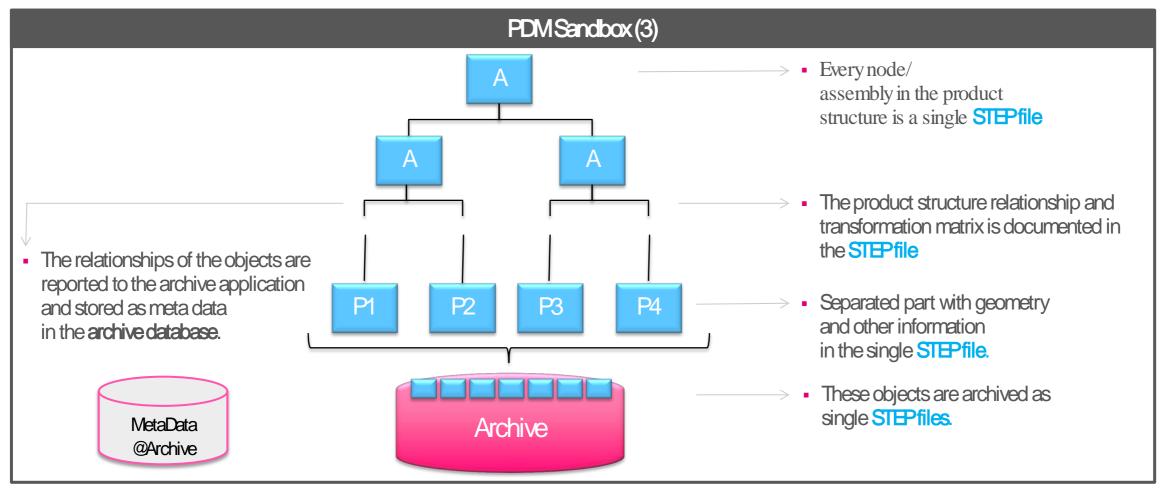
Ar chiving of Digit al 3DAs semblies Dynamic Structures @Archive (1)



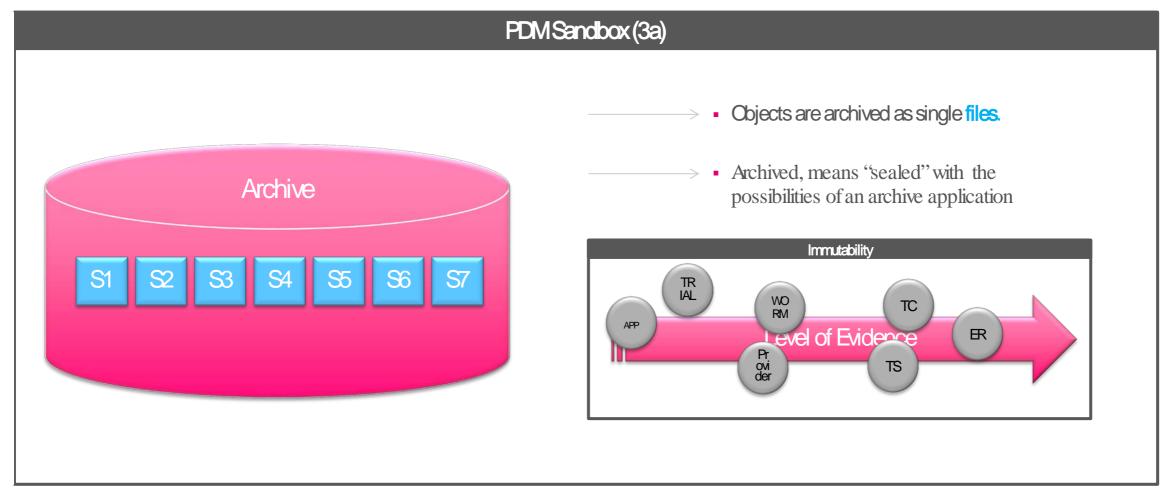
Ar chiving of Digit al 3D Assemblies Dynamic Structures @Archive (2)



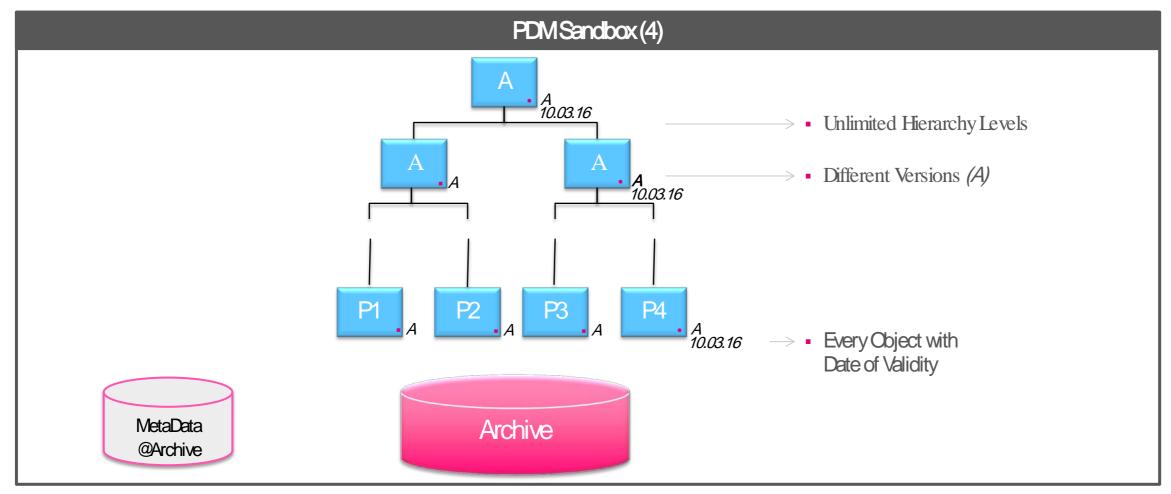
Ar chiving of Digit al 3D Assemblies Dynamic Structures @Archive (3)



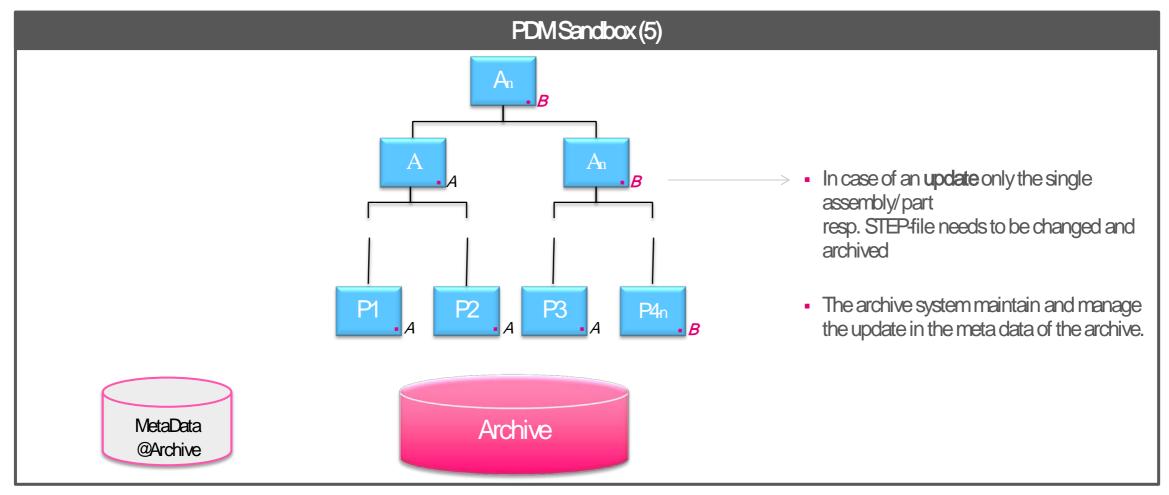
Ar chiving of Digit al 3D Assemblies Dynamic Structures @Archive (4)



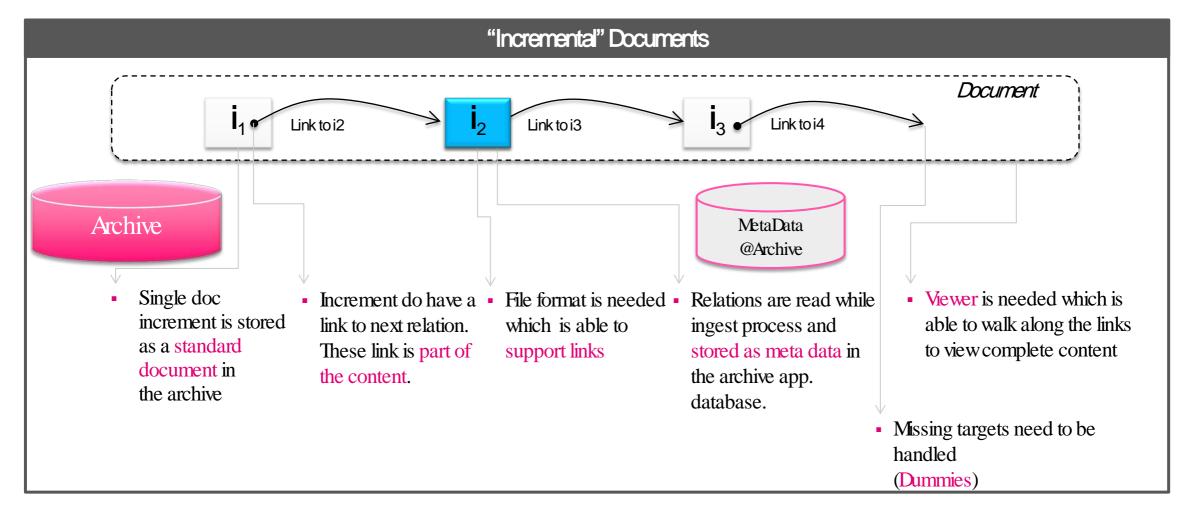
Ar chiving of Digit al 3D Assemblies Dynamic Structures @Archive (5)



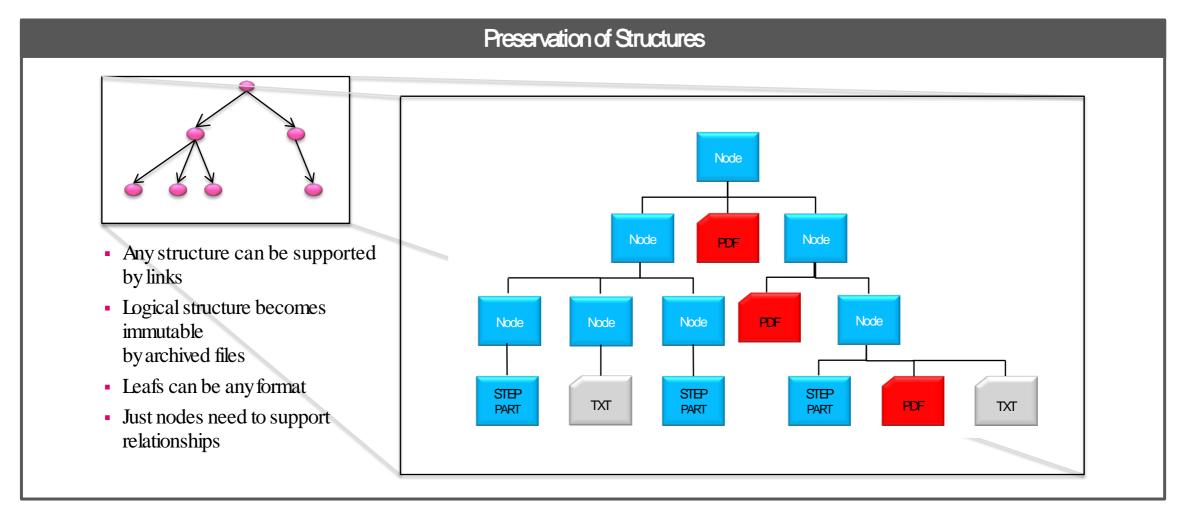
Ar chiving of Digit al 3D Assemblies Update of Dynamic Structures @Archive



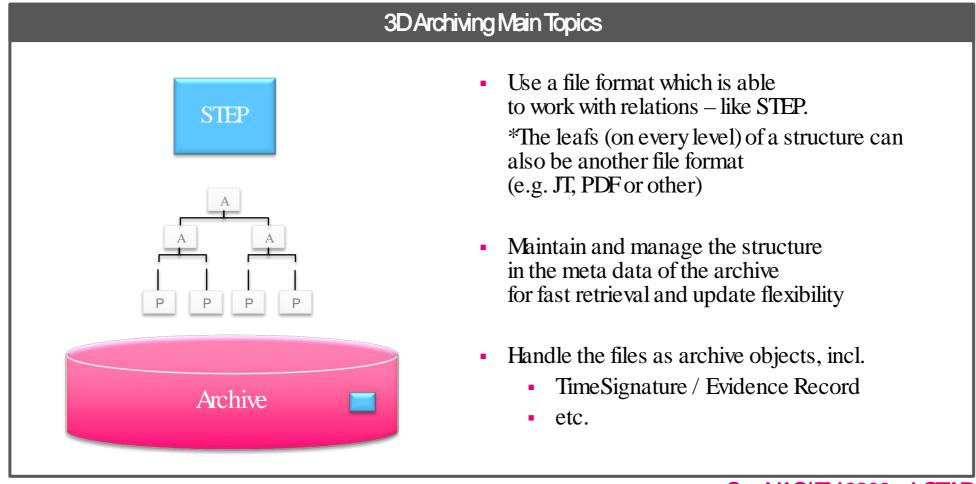
Archiving of Digital 3DAssemblies Working with Document increments



Ar chiving of Digit al 3DAssemblies Managing Structures

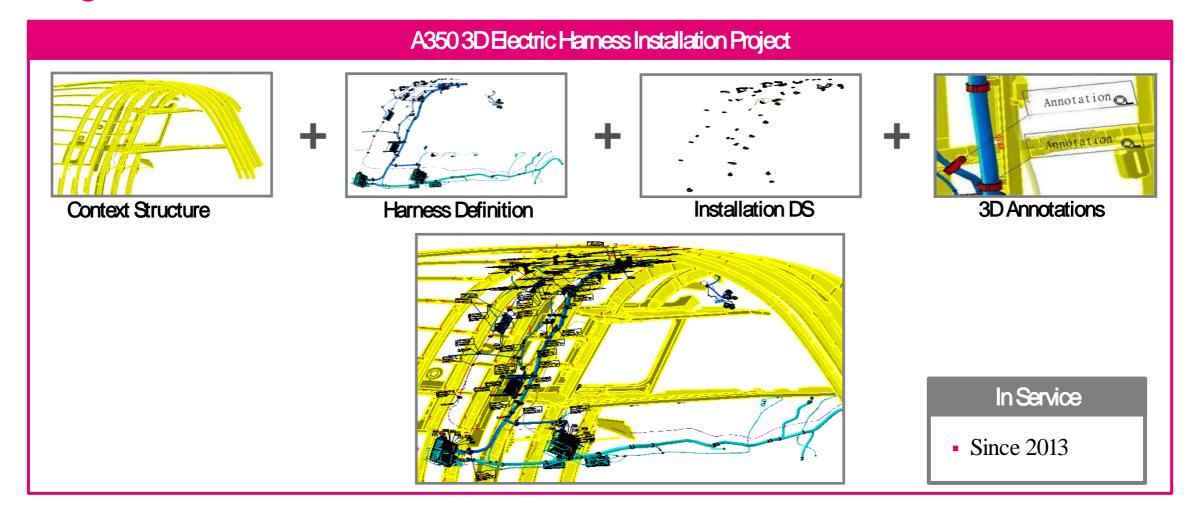


Ar chiving of Digit al 3DAs semblies Wrap Up

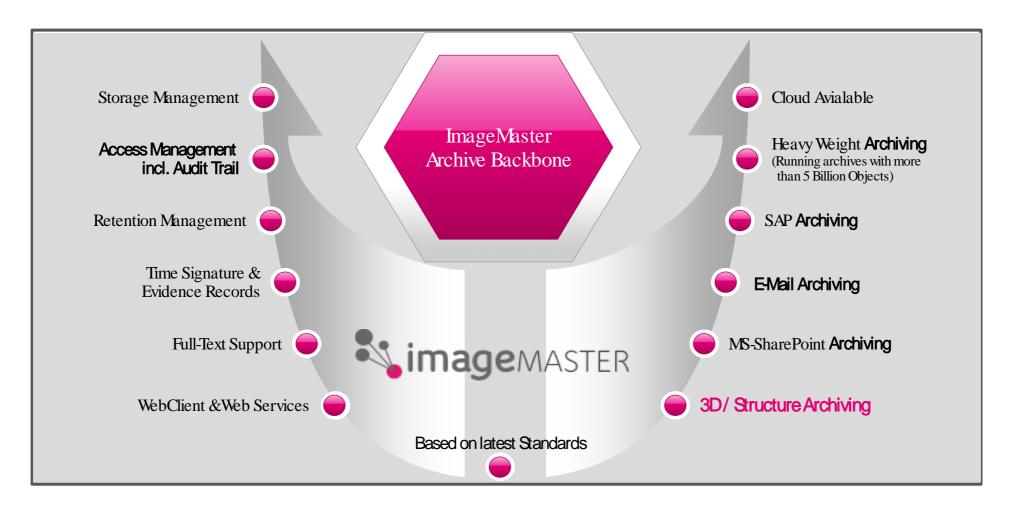


See NAS/EN9300 = LOTAR

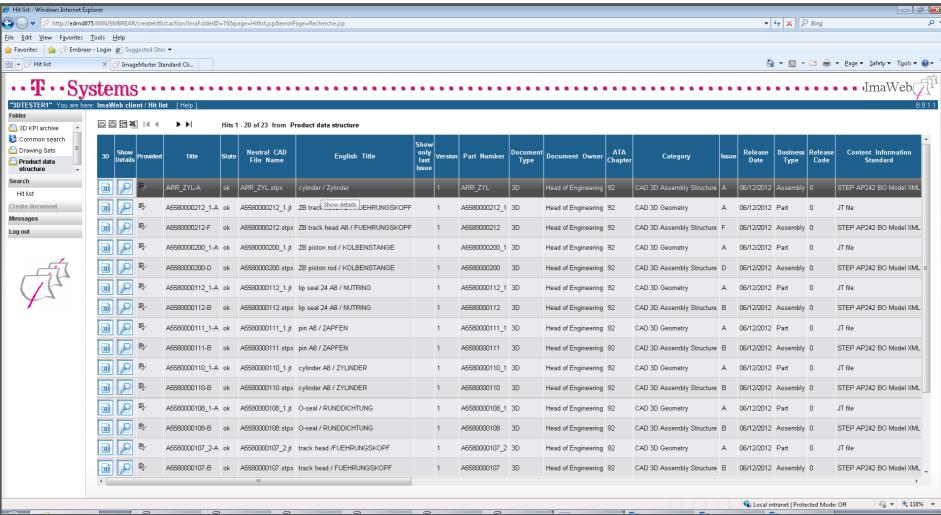
Ar chiving of Digit al 3DAssemblies ImageNaster 3D @AIRBUS



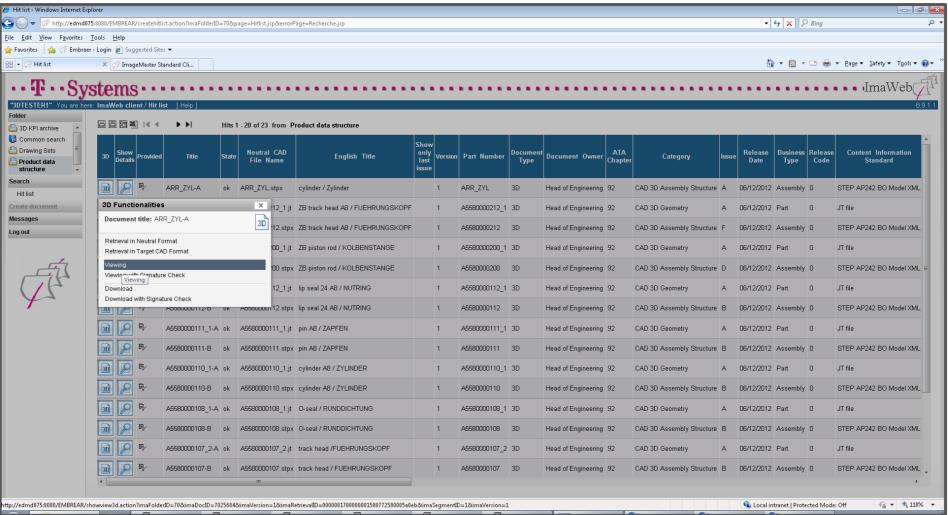
Ar chiving of Digit al 3DAssemblies WITH ImageMast er ®



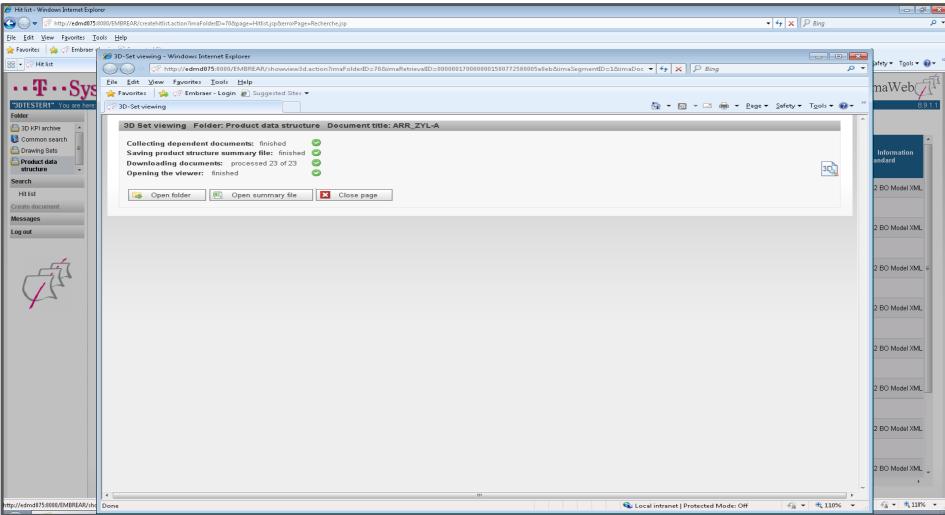
Ar chiving of Digit al 3DAssemblies Application Example (1)



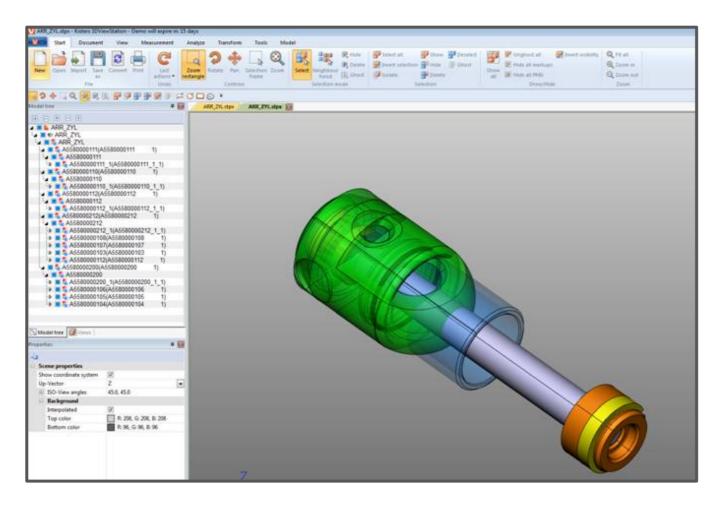
Ar chiving of Digit al 3DAs semblies Application Example (2)



Ar chiving of Digit al 3DAs semblies Application Example (3)



Ar chiving of Digit al 3DAs semblies Application Example (4)

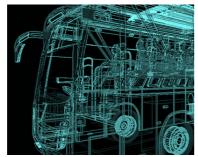


Ar chiving of Digit al 3DAs semblies POSSIBLE USE CASES

Airplanes...









... and more

