## Validation integration data

Y. Muttoni





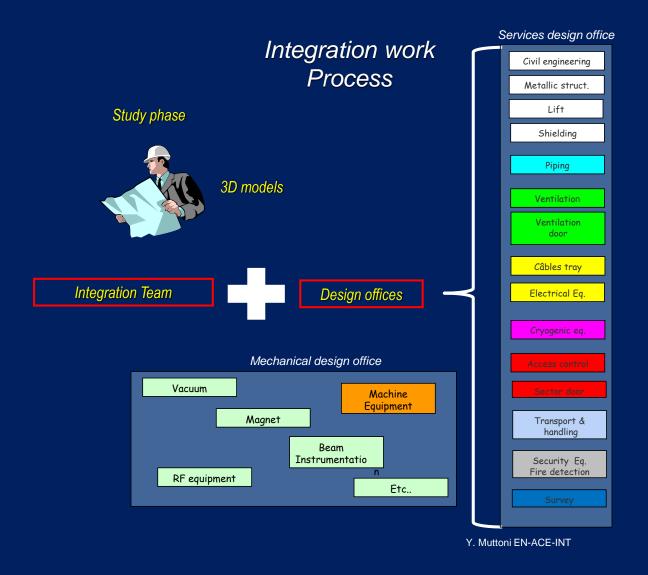


## Main goal

- Only the CATIA/Smarteam data are involved by the data life cycle.
- Why integration data should follow a data lifecycle?
  - To have a correct status on the document stored in smarteam. Not only in work or preliminary.
  - To be sure between different model with the same description only one is the valitaded model and can be used.
  - To follow the different version on a document.









- Data 3D status in Smarteam:
  - In work
  - Preliminary (Snapshot 3D model)
  - Released (Freeze a data version)

- Owner\* Data:
  - Top product integration (Integration\*)
  - Product or part services (Services\*)





#### Validation data - Released with drawing

3D model — 2D drawing

Master Master

Ready for check - Smarteam Designer owner

Control 1 - CDD Designer

Control 2 - CDD Engineer or Project leader

Released Released

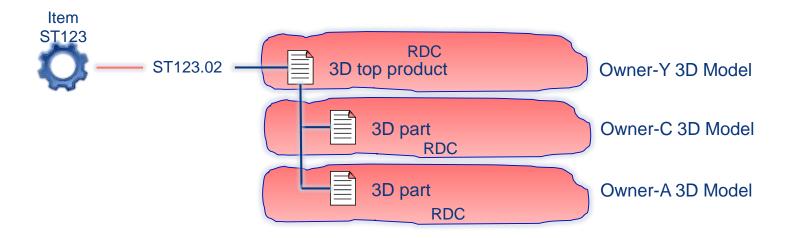
See process in the next slides (6-7)





#### Validation data - Released with drawing

# 1st Step Ready for check must be done by the owner 3D model



Actions after the ready for check:

Freeze the 3D model

Publish the 3D model in different files format 3DVIA, PDF, STEP, VRML, open in dedicated viewer (spinfire) Can be view inside CDN (Cad data navigator) with an EDMS access. Link

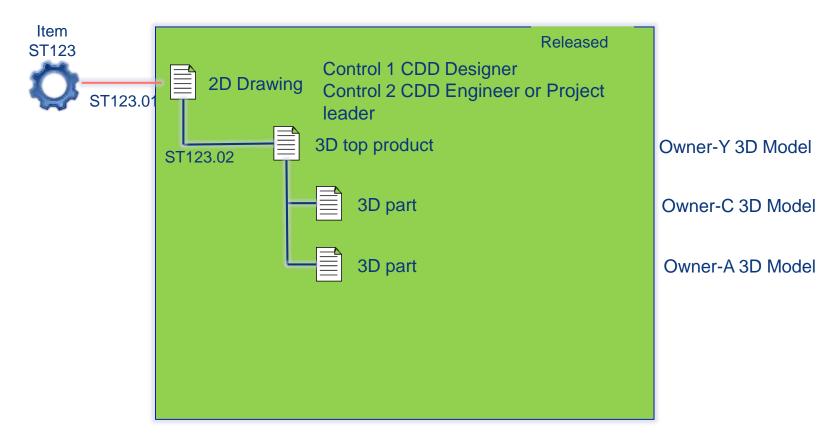




6

#### Validation data - Released with drawing

#### 2nd step Released – Normal process







#### Validation data - Released with drawing and no drawing

3D model product or part Services ——— No drawing

Master

Ready for check - Smarteam Designer owner services

Released





#### Validation data - Released for integration\*

SD model product or part

For integration

Released for integration

Released for integration

Mandatory to have linked to the item:

2D drawing (CDD Number not necessary CATIA) released

or

3D master released

\*To use in mechanical reverse engineering





#### Validation data

• Solution 4 - Valid for integration

Not yet developed



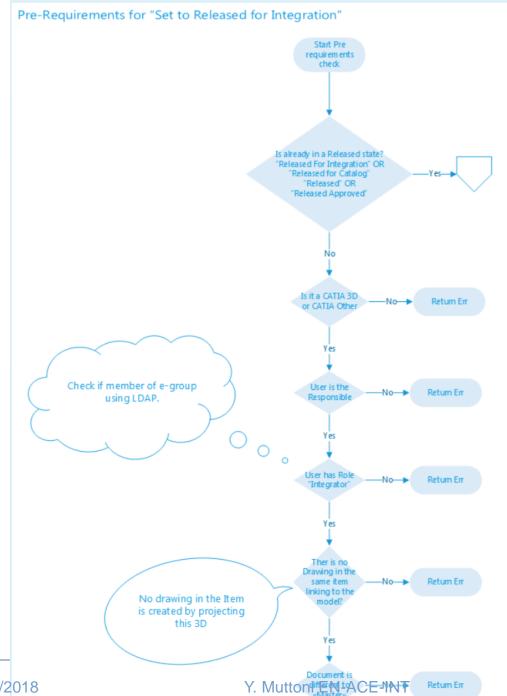


## Spare slides





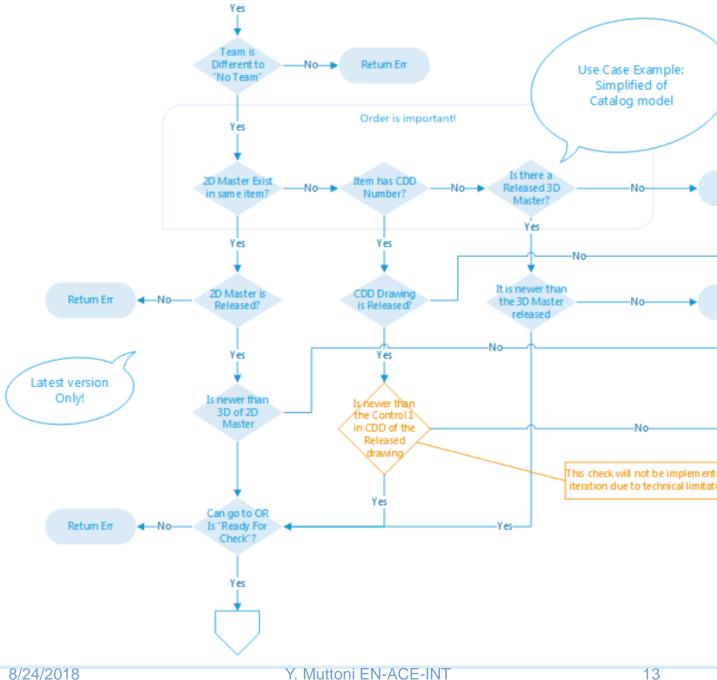
8/24/2018







Return Err







## Integration data

- Conceptual layoutDrawing \*
  - Produced by Excel Engine
- Consolidated layout Drawing \*
  - Produced by DMU Engine
  - Produced by hand
- Differential layout Drawing
  - Produced by hand
- 3D scene Drawing not necessary

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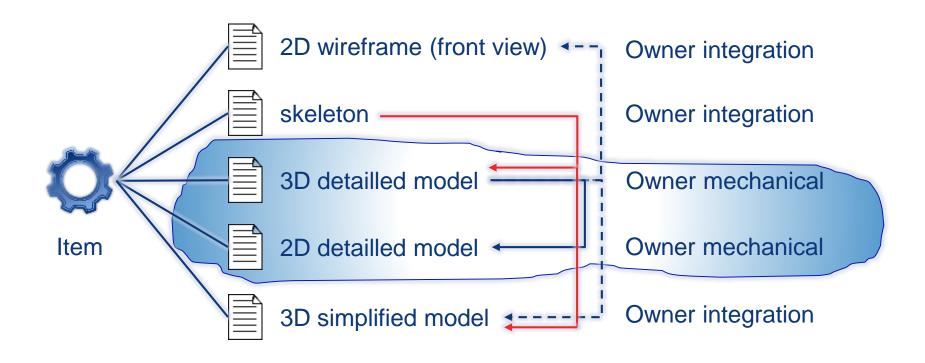
Produced by hand





\*Definition see EDMS 1760014

## Data model equipment

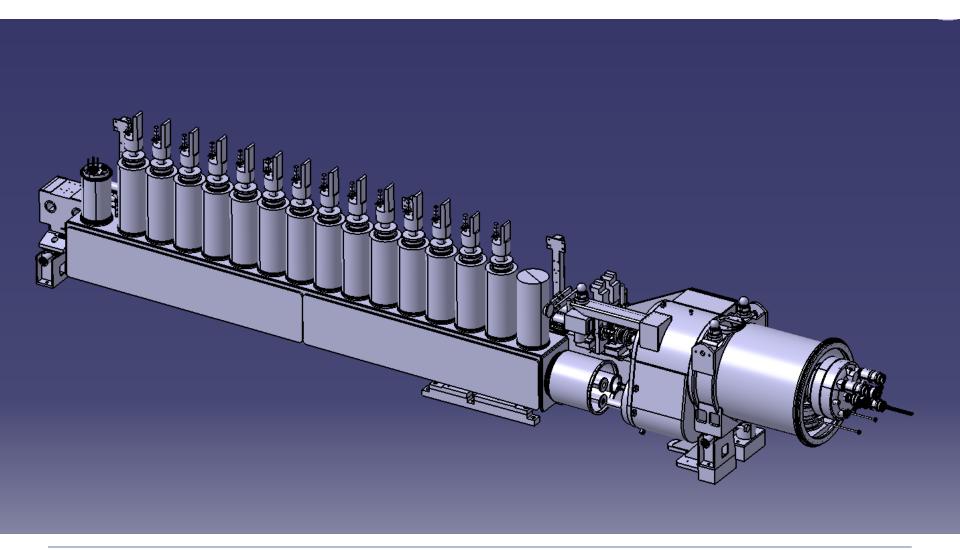








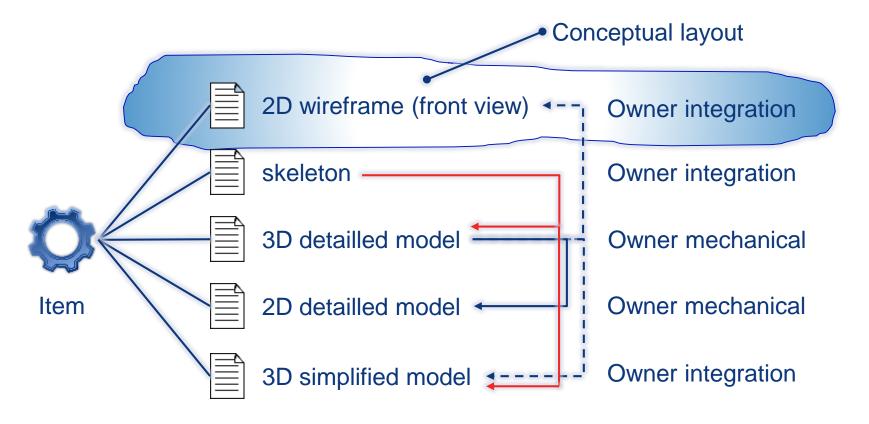
#### 3D detailled model







#### Data model equipment

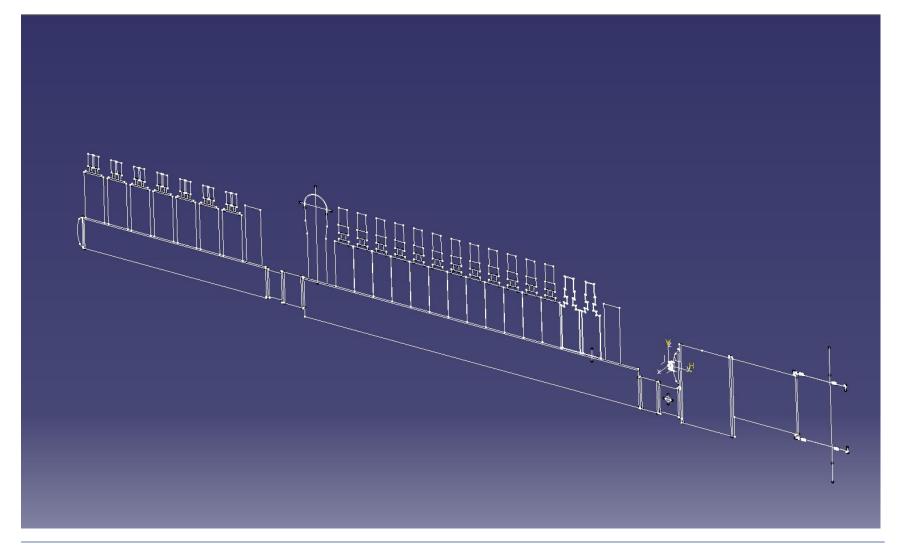








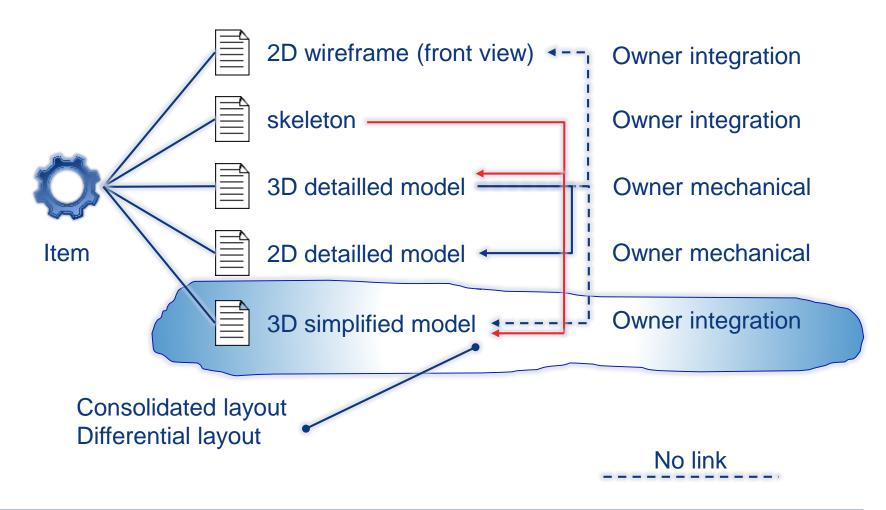
#### 2D wireframe







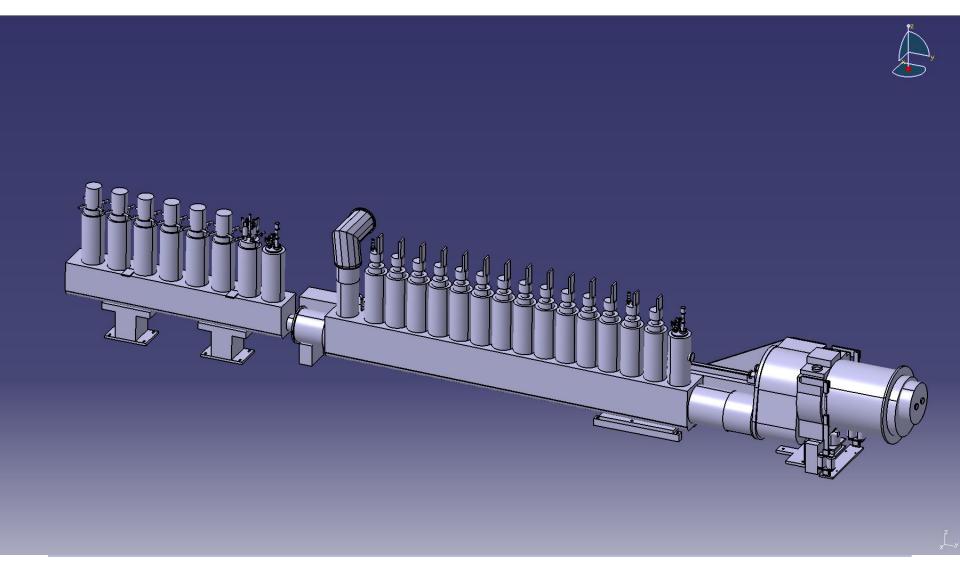
## Data model equipment







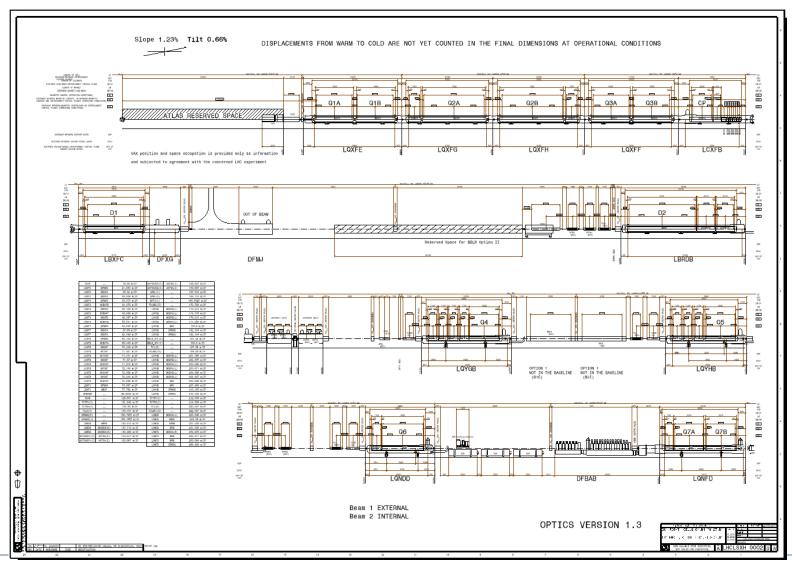
## 3D simplified model







## Data conceptual layout Excel engine

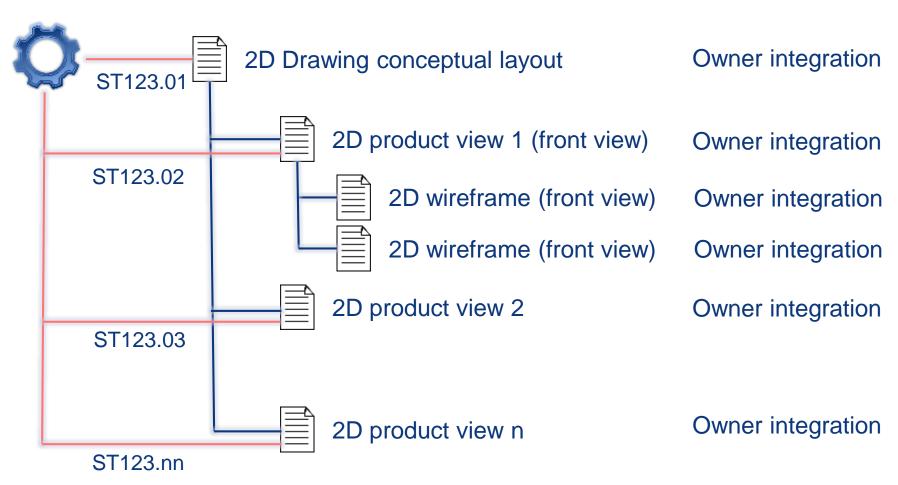






## Data conceptual layout Excel engine

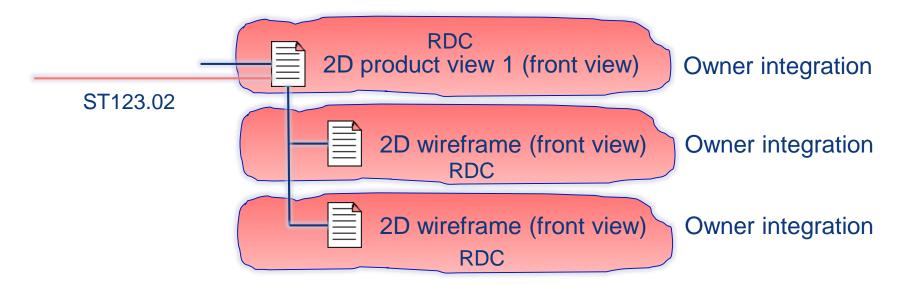
Item ST123







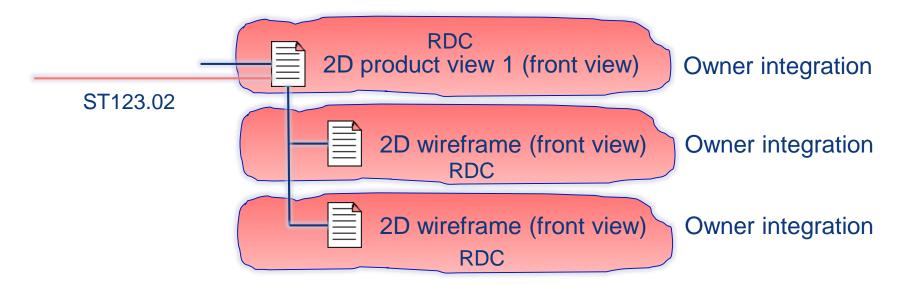
## Data conceptual layout Ready for check







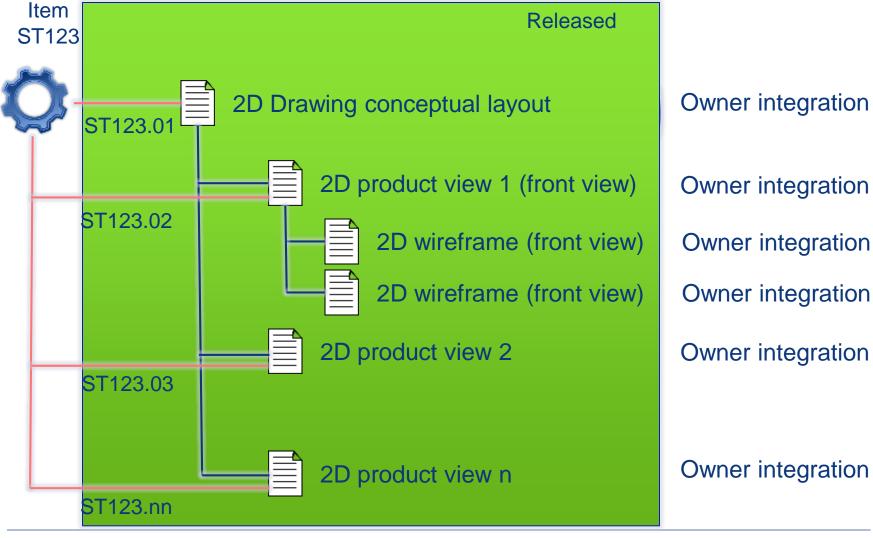
## Data conceptual layout Ready for check







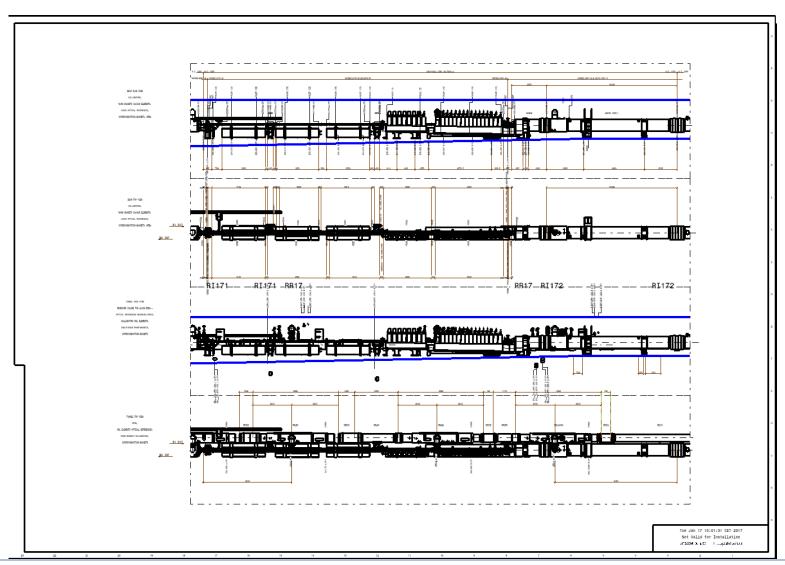
#### Data conceptual layout control







#### Data consolidated layout DMU engine

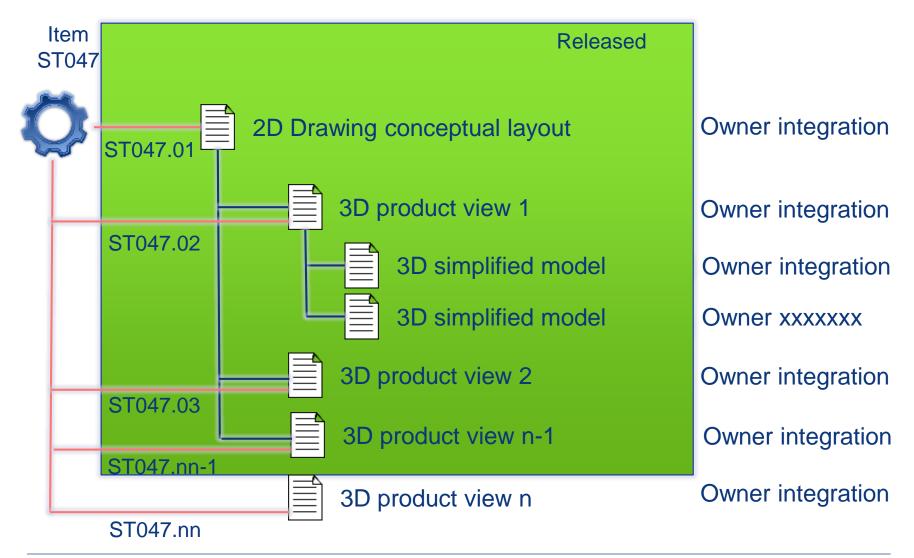






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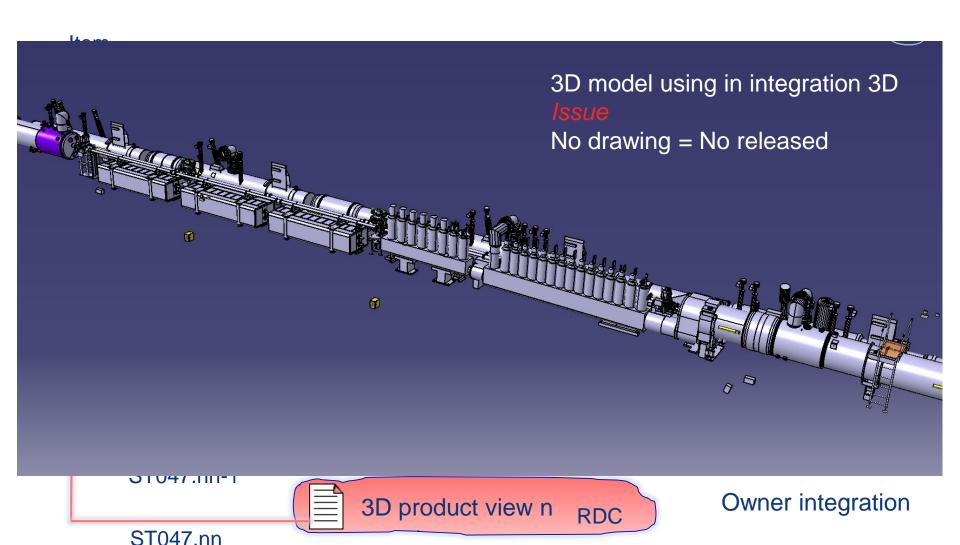
#### Data consolidated layout DMU engine







## Data consolidated layout DMU engine







#### 3D scene

# Next step





