

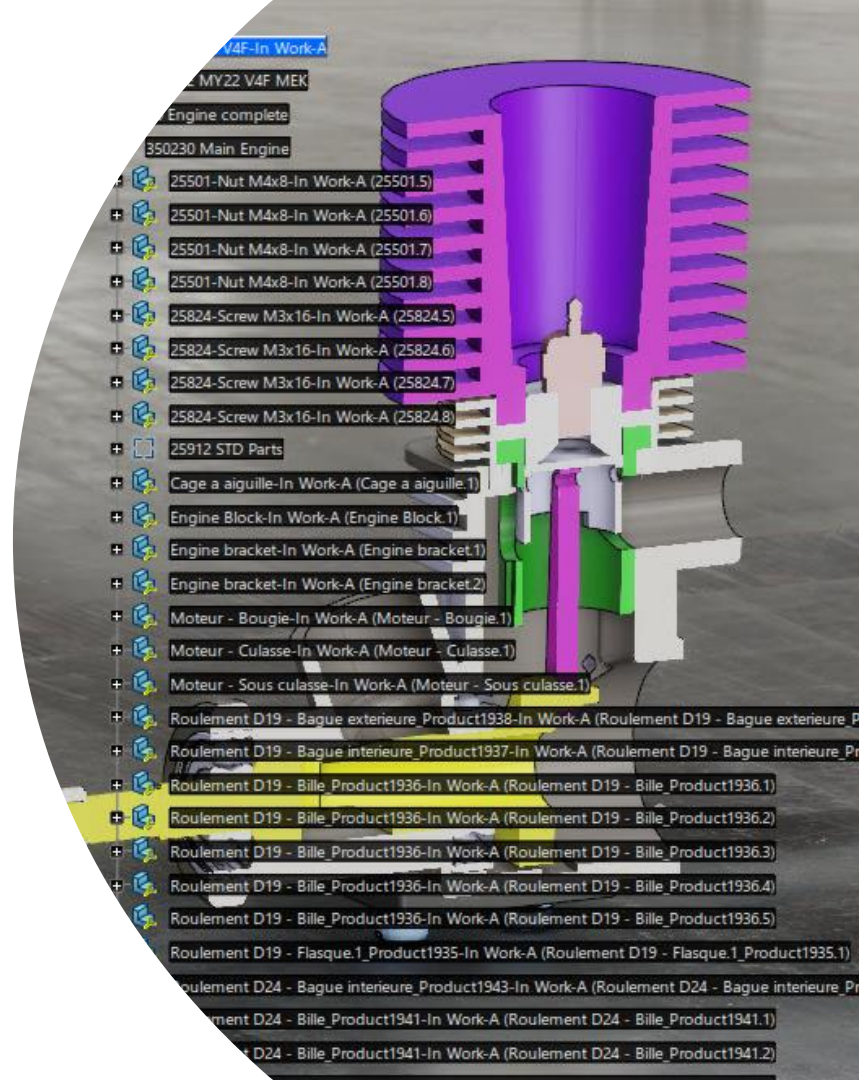


3DEXPERIENCE®

SCAF HM 2021

Tommy VÄLKKE & Claes CARLSON

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



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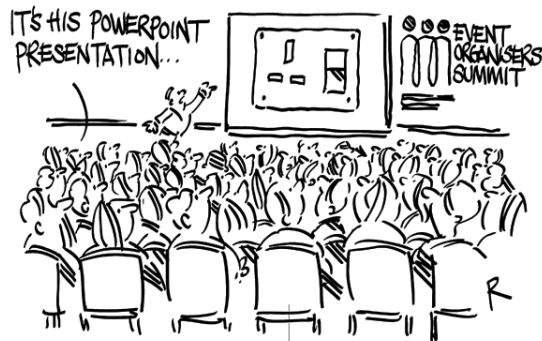
3D Experience och "MultiCAD"

"Design in context"

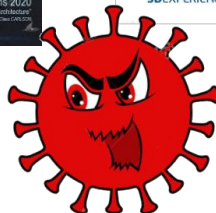
Training V&A R&D
Göran CARLSSON

3DEXPERIENCE

SACF 2019



2021



SCAF VIRTUAL DIALOG

Power By

The screenshot displays the 3DEXPERIENCE SCAF Virtual Dialog interface. The main window shows a 3D model of a power train assembly on a blue grid. A virtual dialog overlay is visible, displaying a list of issues and a 3D model of a specific issue.

Issues List:

Actions	Title	Name	Maturity State	Description
+	Power train Issue - Broken Drive...	ISS-R11321000866...	Active	
-	350000	prd-R11321000866...	In Work	
-	Transmission cpl <=> Engi...	tar-R113210008663...	In Work	
-	Transmission cpl internal	tar-R113210008663...	In Work	
-	Filter-17	Filter-17	Private	
-	20329	prd-R11321000866...	Released	
-	Introduction of Pirate 2022	ISS-R11321000866...	Assign	
-	Engine certificate	ISS-R11321000866...	Create	
-	Legacy classification	ISS-R11321000866...	Review	

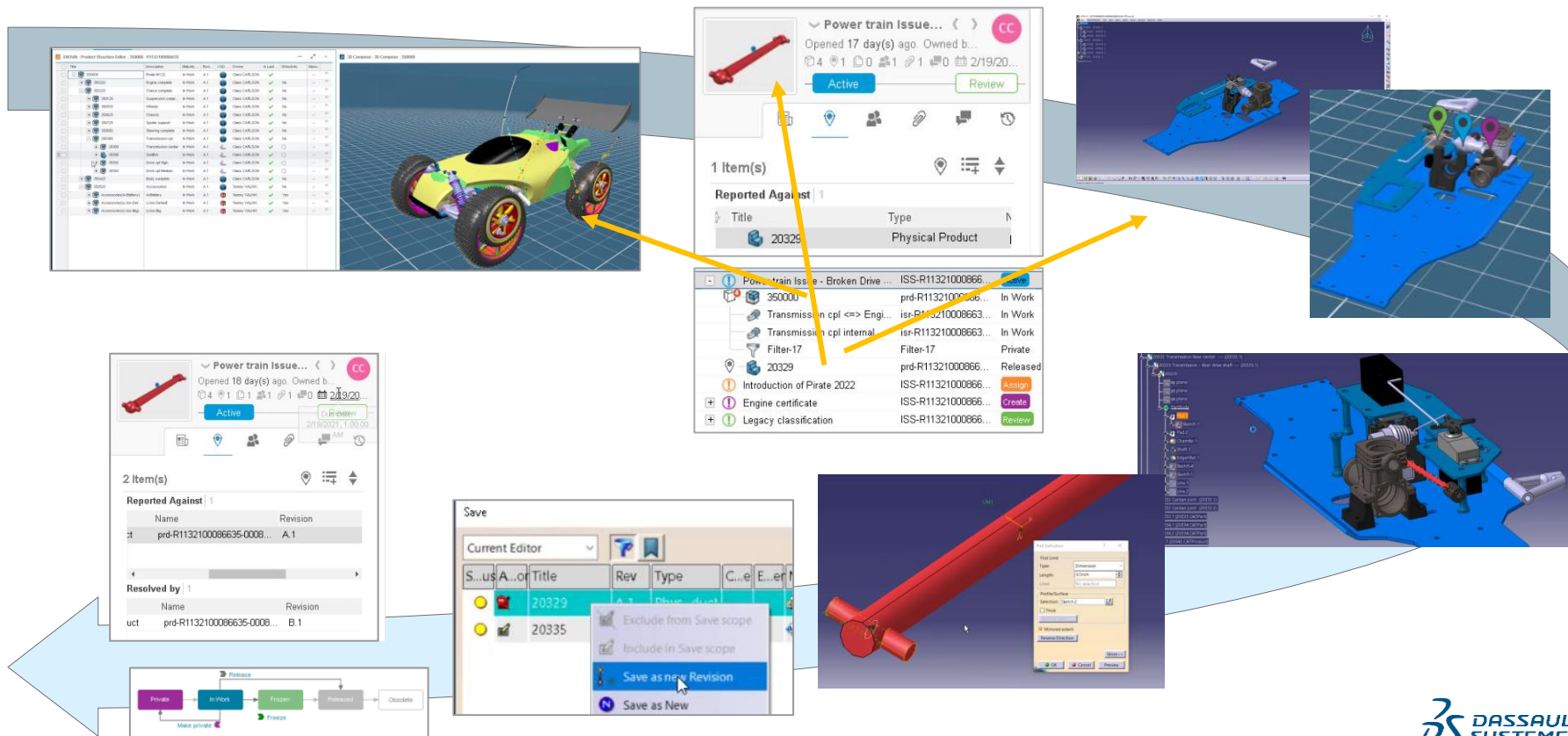
Virtual Dialog Details:

- Power train Issue - Brok...**
- Opened 17 day(s) ago. Owned b...
- 4 1 0 0 1 1 2/19/20...
- Active Review
- 1 Item(s)
- Reported Against 1
- Title 20329 Type Physical Product
- Resolved by
- Search, select in 3D or drop an object to set as Resolved by
- Contexts
- Title Type
- 350000 Physical Product
- Transmission cpl <=> Interference simul
- Transmission cpl inten Interference simul
- Filter-17 Advanced Filter



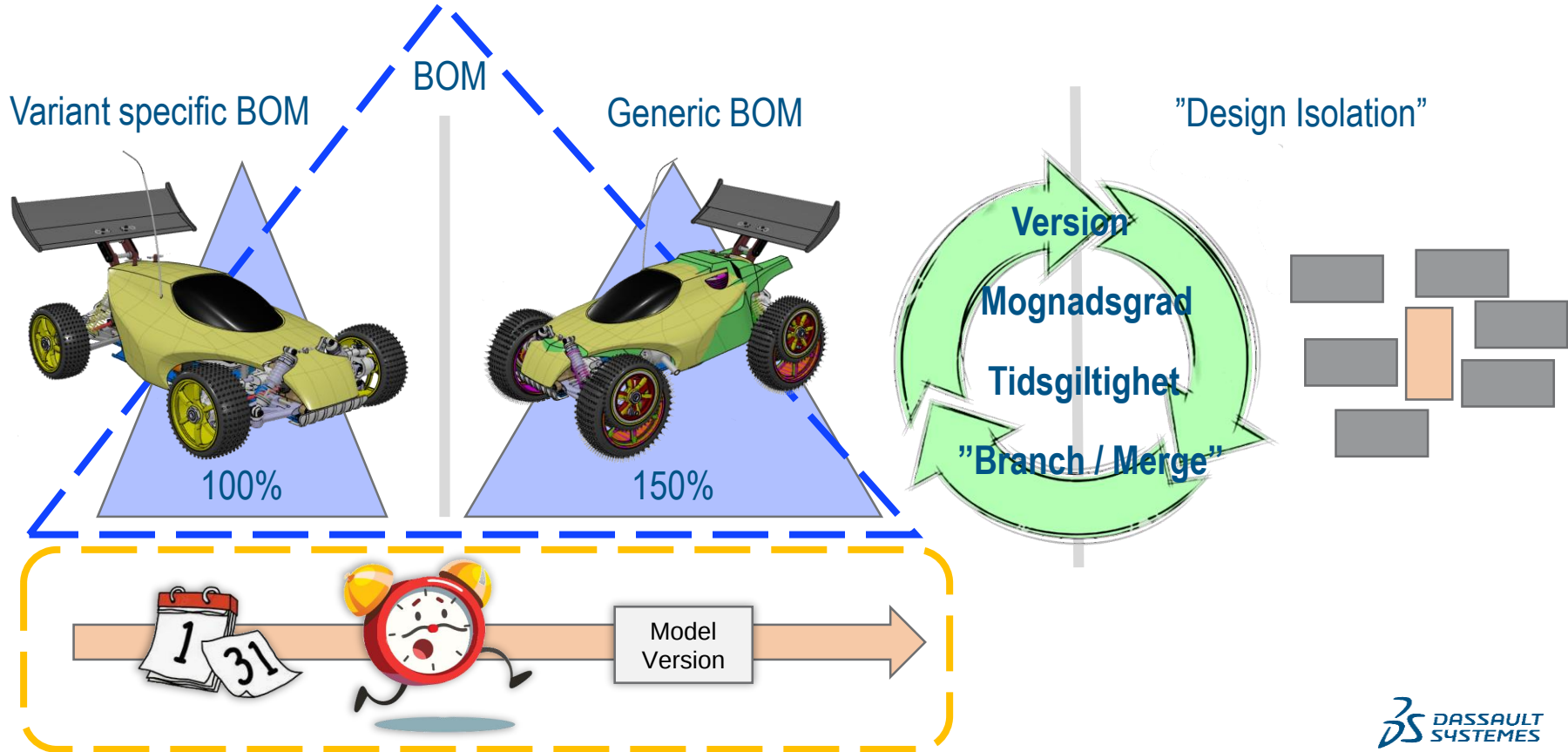
ISSUE MANAGEMENT SCENARIO

“PowerBy” session January 2101



PRODUCT DEFINITION

What and when?

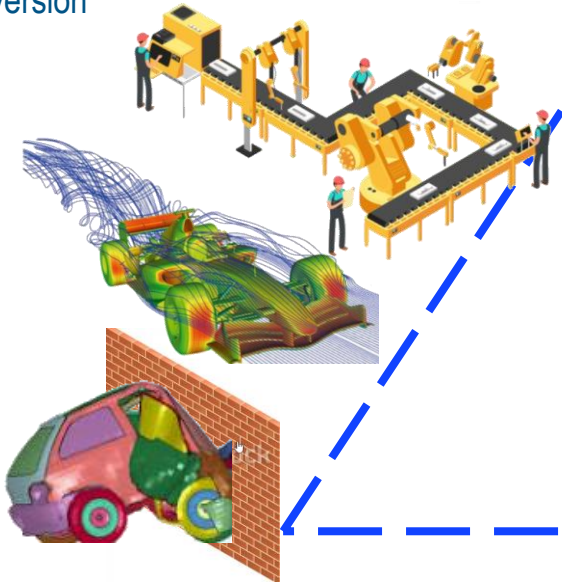


WHAT AND WHEN?

Fast and in parallel...

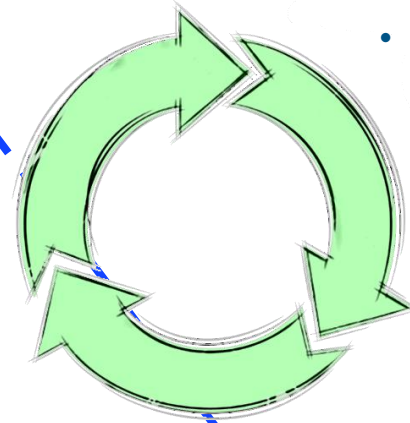
Simulations...

- Millstone, freeze, tractability...
- "Model version"



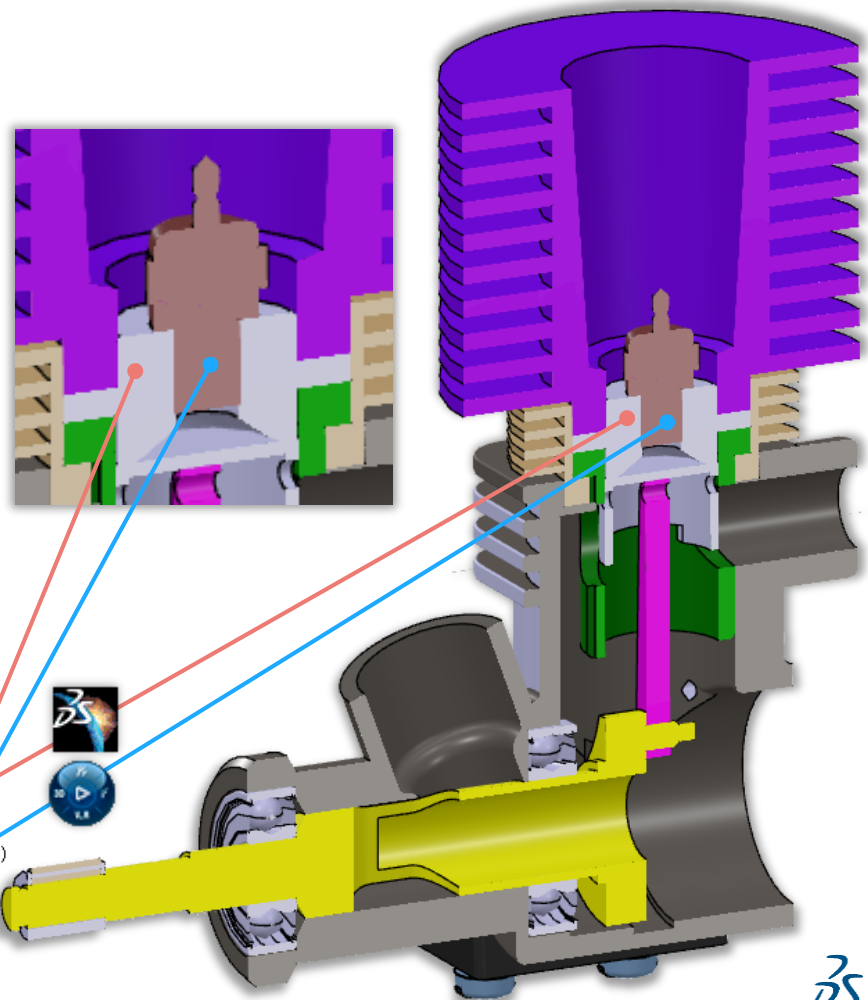
Design isolation

- Controlled deliveries
- Access to reference
- Easy to use => faster iterations



DEMO

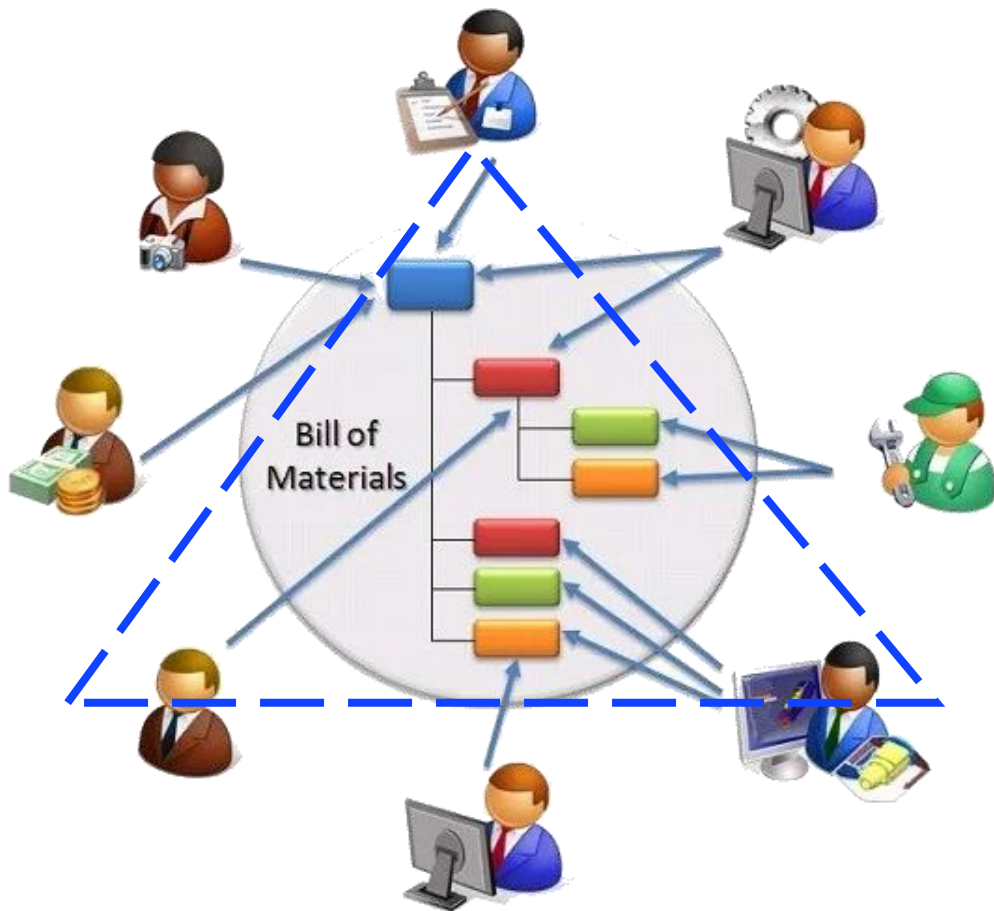
- Engine In Work A.1 (Physical Product0000028 .3)
- 25911 Common parts In Work A.1 (25911 Common parts.1)
 - 360134 Roller bearing D19 In Work A.1 (prd00000191.1)
 - 360135 Roller bearing D24 In Work A.1 (P00000190.1)
 - 360143 Needle cage In Work A.1 (P00000189.1)
 - 350137 Screw M3x16 In Work A.1 (P00000188.1)
 - 350137 Screw M3x16 In Work A.1 (P00000188.2)
 - 350137 Screw M3x16 In Work A.1 (P00000188.3)
 - 350137 Screw M3x16 In Work A.1 (P00000188.4)
 - 360144 Screw M4x8 In Work A.1 (P00000162.1)
 - 360144 Screw M4x In Work A.1 (P00000162.2)
 - 360144 Screw M4x8 In Work A.1 (P00000162.3)
 - 360144 Screw M4x8 In Work A.1 (P00000162.4)
 - 360145 Engine Block In Work A.1 (P00000178.1)
 - 360146 Engine bracket In Work A.1 (P00000182.1)
 - 360146 Engine bracket In Work A.1 (P00000182.2)
 - 360147 Engine - Cylinder head In Work A.1 (P00000179.1)
 - 360148 Engine - Under cylinder head In Work A.1 (P00000181.1)
 - 360149 Engine - Spark plug In Work A.1 (P00000185.1)
- 25912 STD Parts In Work A.1 (25912 STD Parts.1)
- 25913 GT Parts In Work A.1 (25913 GT Parts.1)





"BOM"

DIFFERENT NEEDS, DIFFERENT VIEWS



DIFFERENT STRUCTURES?

