



ShareAspace

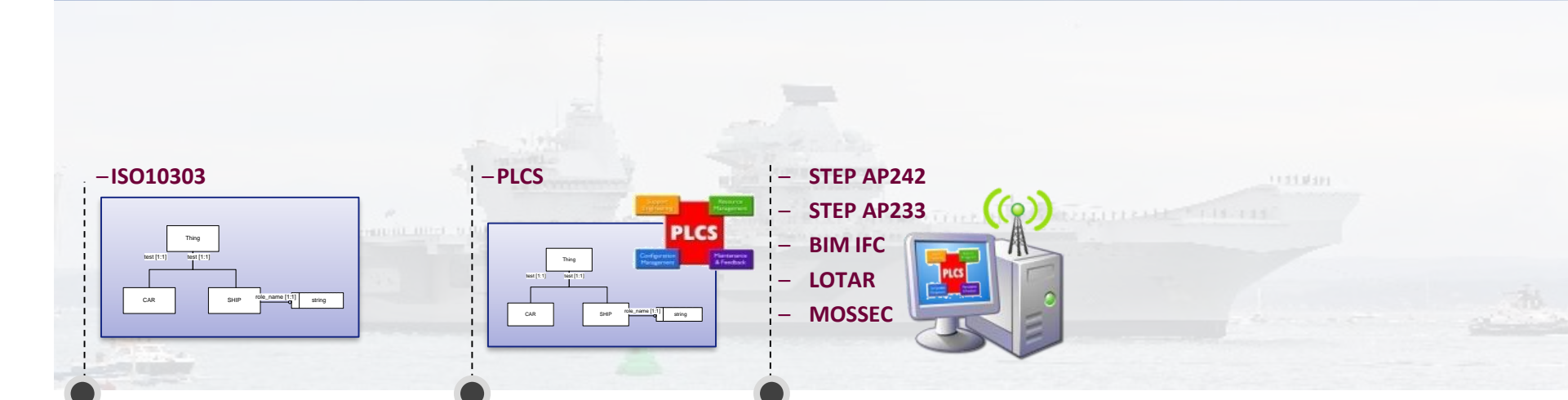
PLM Collaboration Hub

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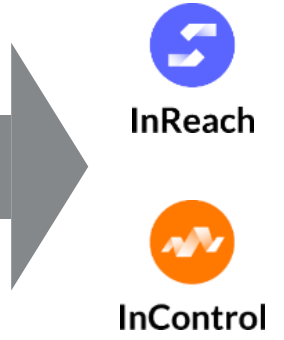
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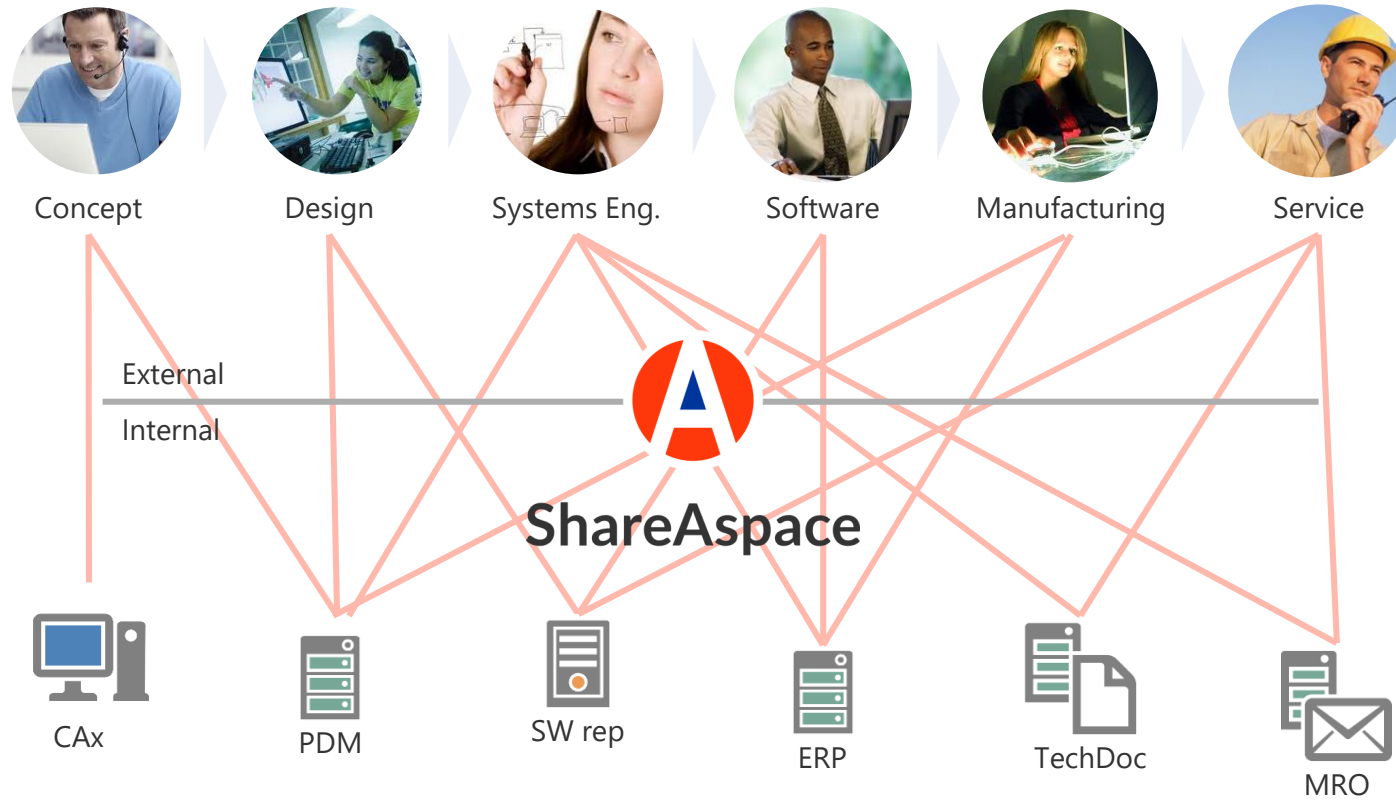
Standards



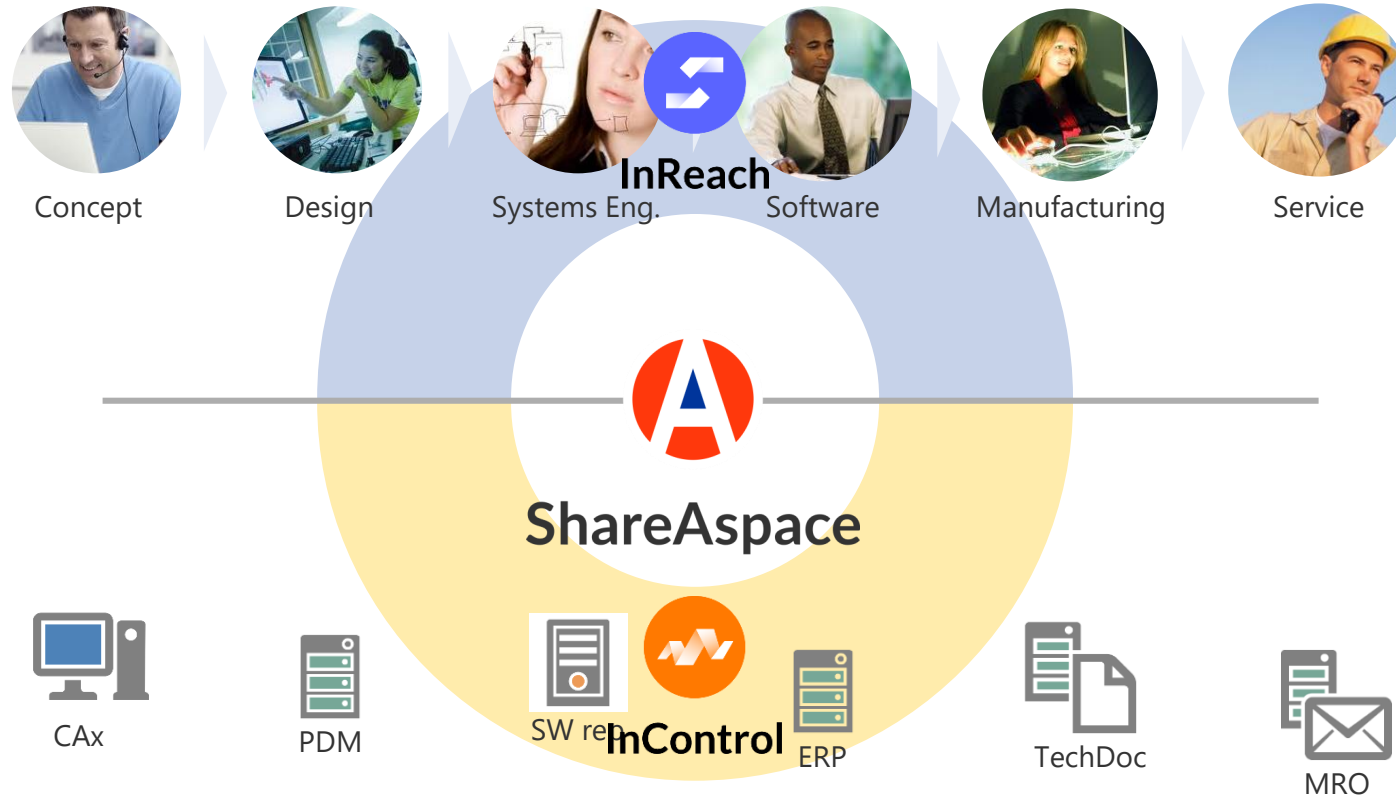
Technologies



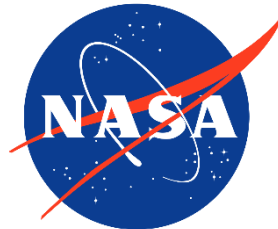
What we do



ShareAspace Products



Some Projects



SIEMENS

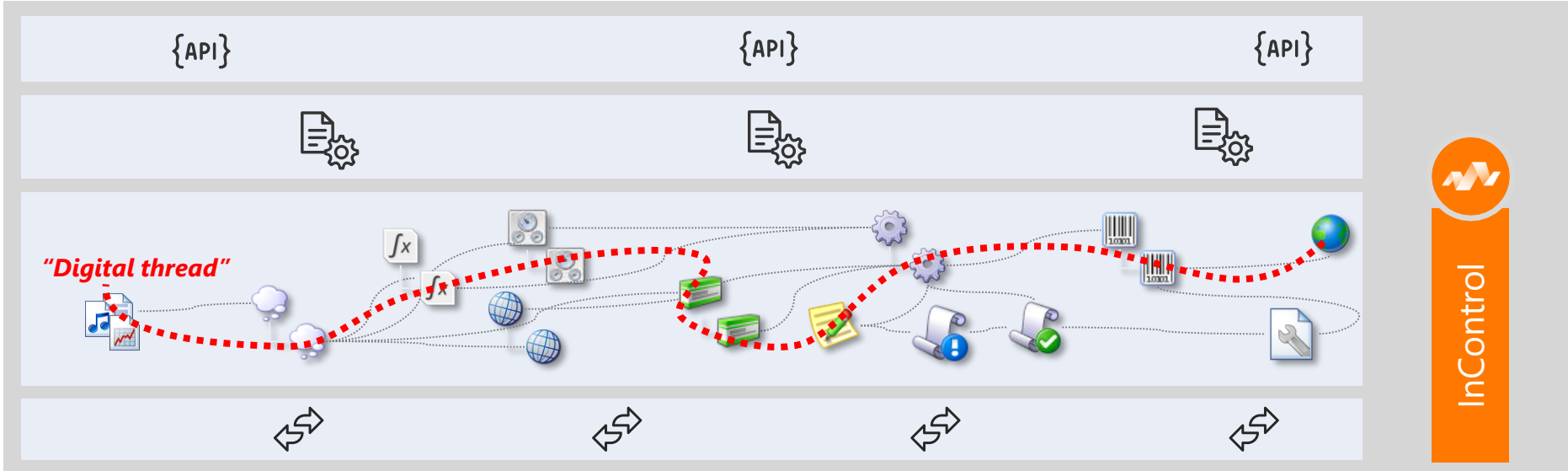
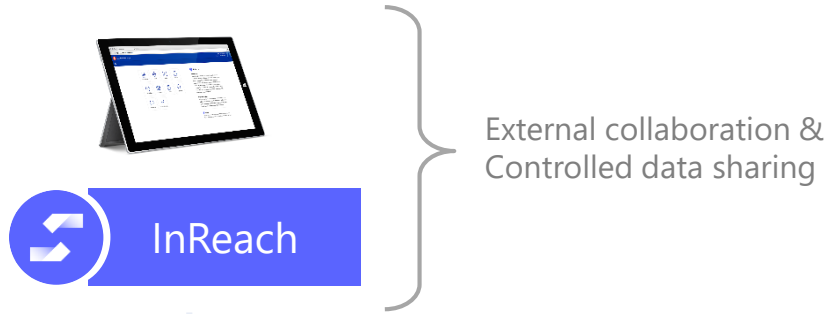


CHALMERS
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Product lines

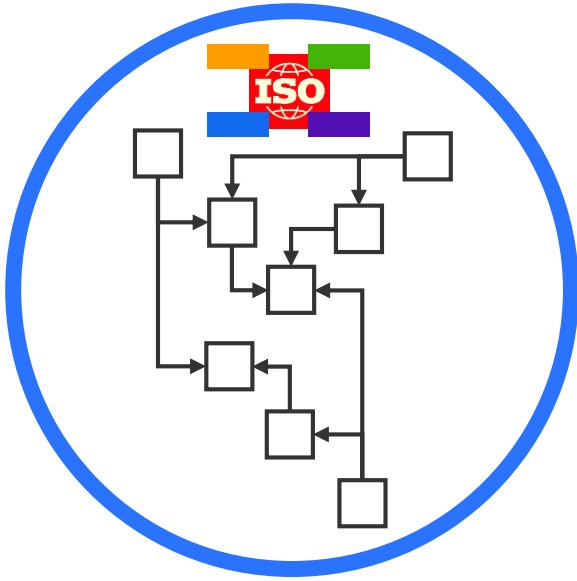


Information exploitation

Source Systems

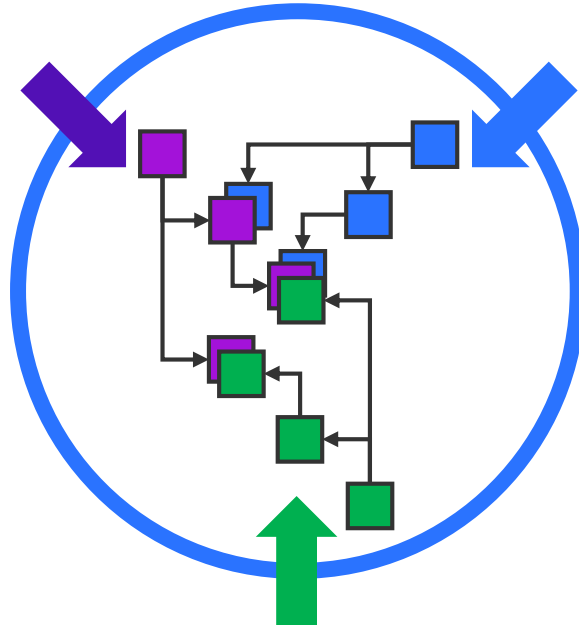


Pillars of ShareAspace



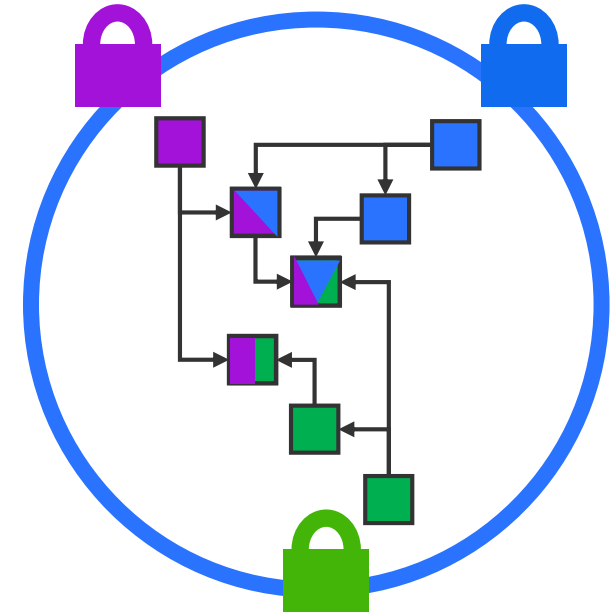
Information centric

Rich information model based on standards covering the full product life-cycle



Consolidation

Ability to superimpose and join up datasets from different sources and manage change



Controlled Data Sharing

Respecting Intellectual Property, licenced information and security



ShareAspace

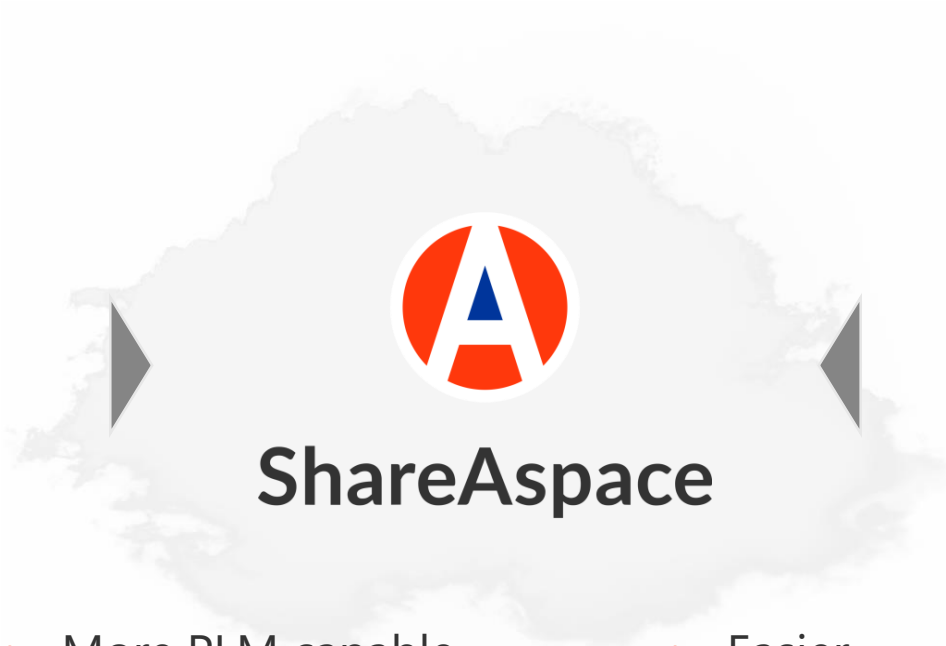
Demo of ShareAspace Cloud

Example scenario for Design to Manufacturing

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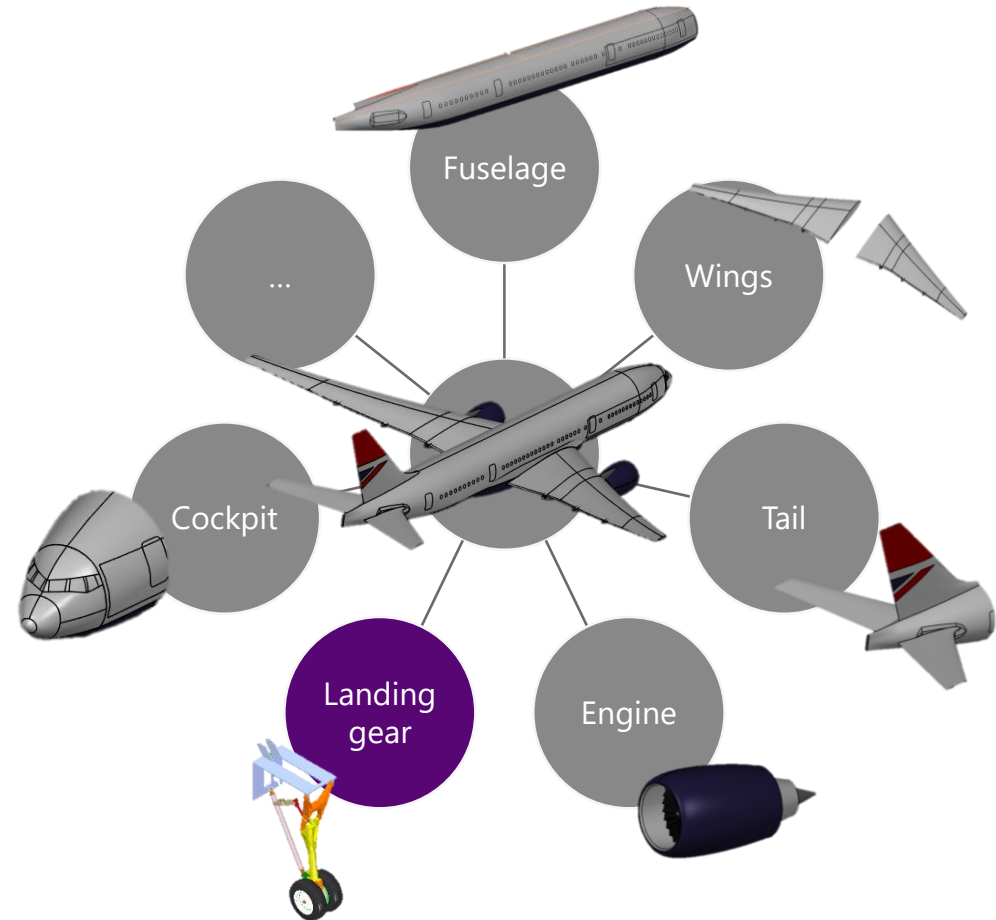
Why ShareAspace Cloud?



- More PLM capable
- Security on objects
- B2B
- Easier
- Lower costs
- Standards based

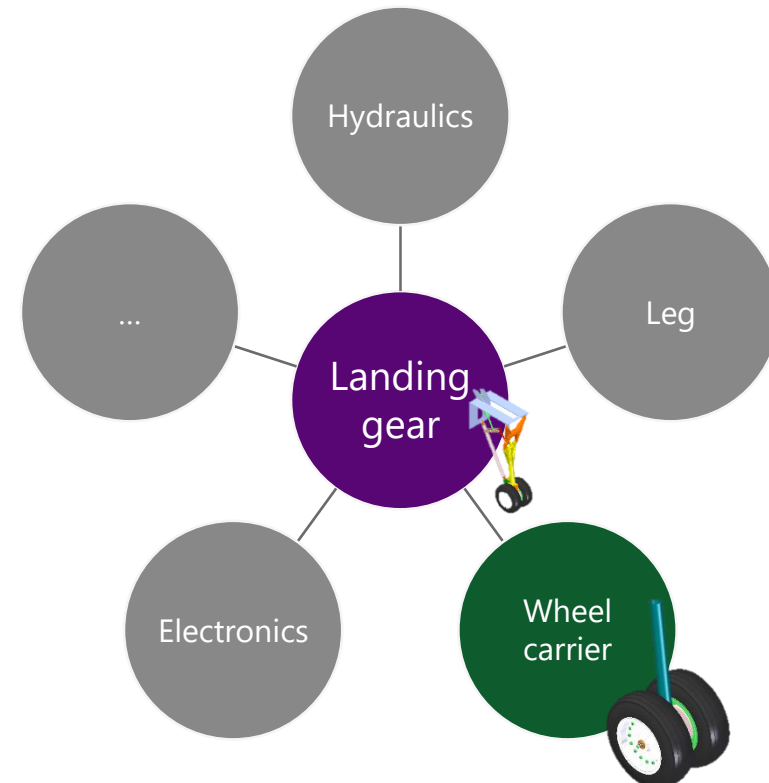
Background

- Our Company is a supplier to a major OEM in the aerospace industry.
- They are supplying landing gears to some of the OEMs aircraft models. Recently they received a new order for the OEMs latest model.
- Our Company is doing most of the design themselves but outsource a lot of the manufacturing to smaller, specialized suppliers.



Background

- Our Company has contacted one of the suppliers to help them manufacture the wheel carrier
- They have a signed contract and NDA



Design to Manufacturing – Build-to-print process

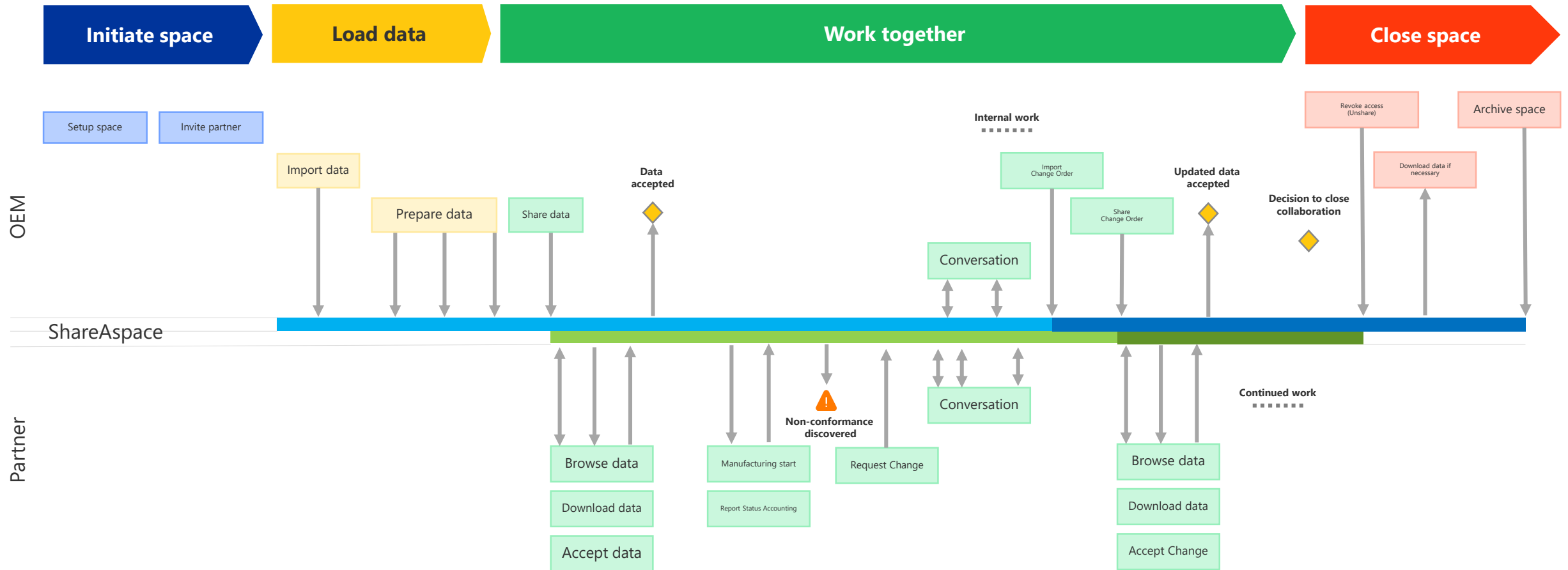
Initiate space

Load data

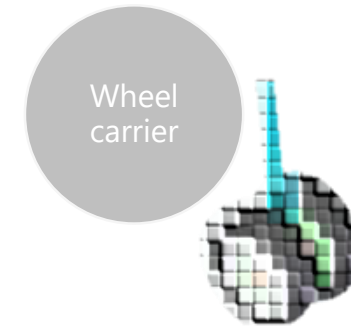
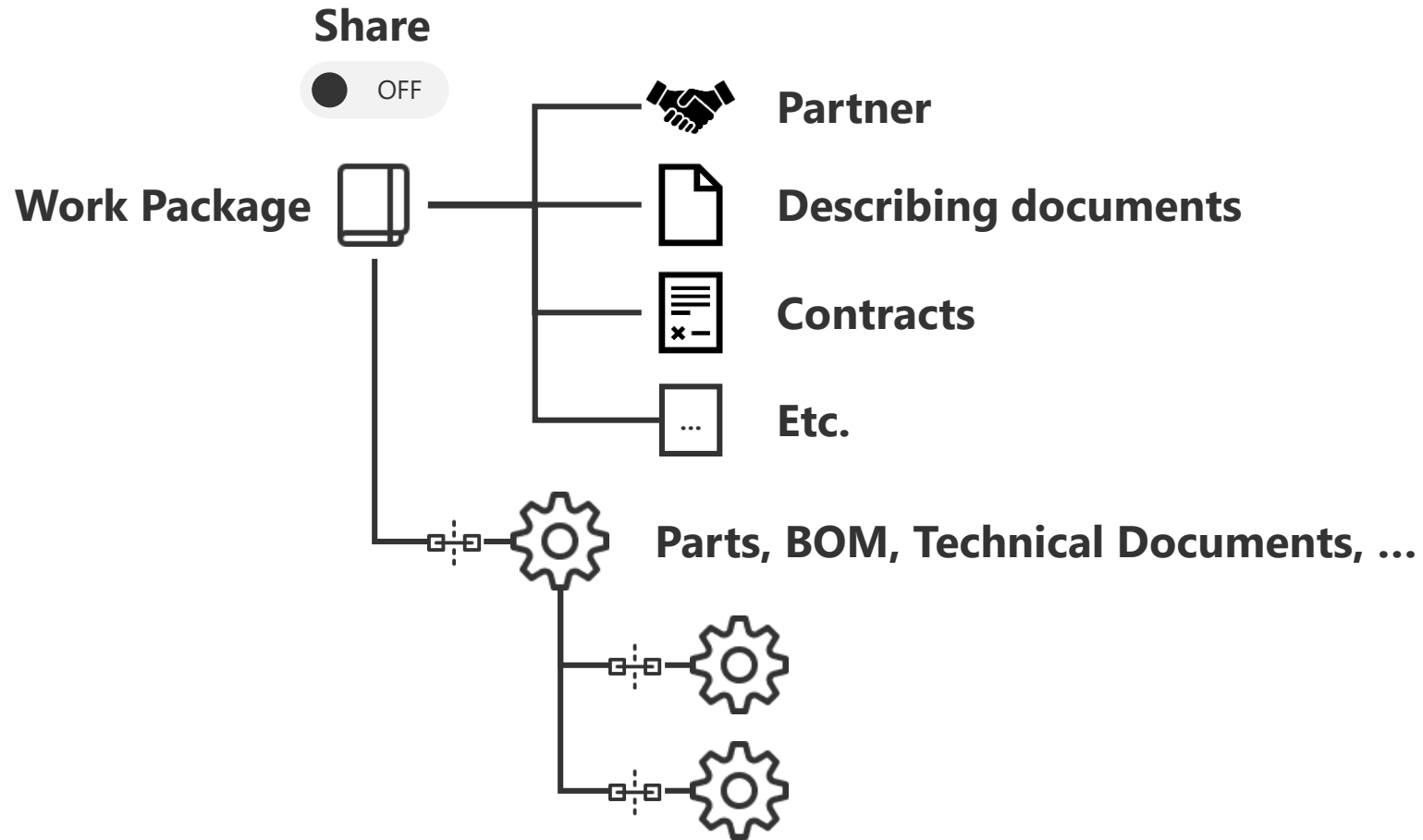
Work together

Close space

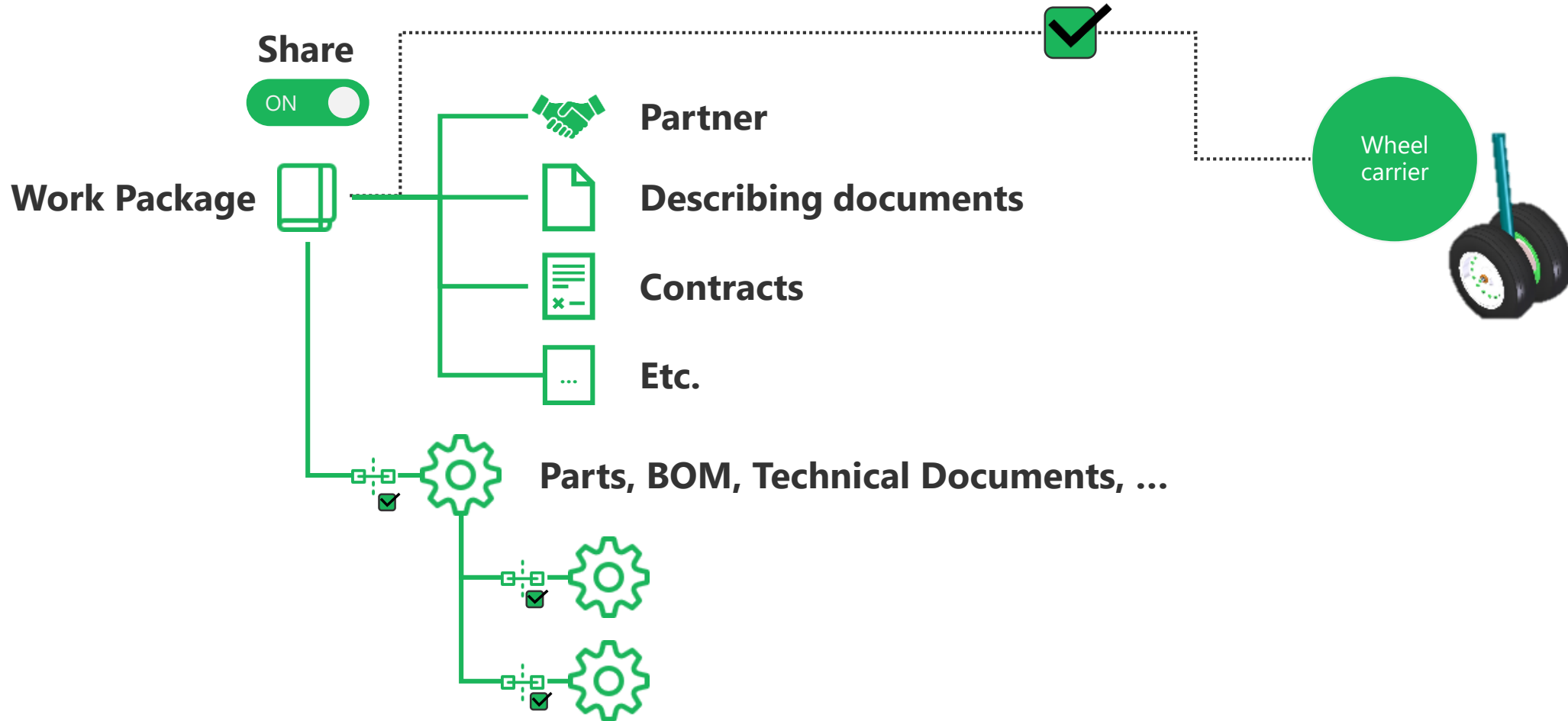
Design to Manufacturing – Build-to-print process



Share data



Share data – and receive acceptance



Download data – Work offline

- Continue work offline
- Load data into partner systems
- Always make sure you work on the latest, valid data

The image shows a browser window displaying a 'WorkPackage Report' table. The table has columns for InstanceId, Position, Quantity, Start Date, End Date, Type, Id, Name, Description, Files, MakeOrBuy, Weight, and Material. Below the table, a large black arrow points downwards from the table to a 3D CAD model of a brake cylinder. To the left of the arrow is a laptop icon, and to the right is a window showing the 3D model of the 'Brake-cylinder_mir1' part.

InstanceId	Position	Quantity	Start Date	End Date	Type	Id	Name	Description	Files	MakeOrBuy	Weight	Material
					WorkPackageOrder	0008	Share Wheel Carrier	--				
			08/16/2019 12:33:36		Assembly	99383834_D	Wheel Carrier			Make	100 kilogram	asm
10		1	08/16/2019 12:14:03		Part	388494_3	Wheel-link-knot			Make	100 kilogram	Steel
20		1	08/16/2019 12:14:03		Part	484949_1	Wheel-carrier-tube			Make	100 kilogram	Steel
30		1	08/16/2019 12:14:03		Part	949944_1	Wheel-as			Make	100 kilogram	Steel
40		1	08/16/2019 12:14:03		Assembly	ASD-3888-1-R_D	Sub-assy-Brake_mir1			Make	100 kilogram	asm
10		1	08/16/2019 12:14:03		Part	494937_1	Hexagon-screw-M3x15			Buy	100 kilogram	Steel
20			08/16/2019 12:14:03		Part	494937_1	Hexagon-screw-M3x15			Buy	100 kilogram	Steel
30			08/16/2019 12:14:03		Part	84244_2	Brake-piston			Make	100 kilogram	Steel
40			08/16/2019 12:14:03		Part	838393-R_1	Brake-cylinder_mir1			Make	100 kilogram	Steel
50			08/16/2019 12:14:03		Part	674-37x2_1	O-ring37x2			Buy	100 kilogram	Steel
60			08/16/2019 12:14:03		Part	674-16x2_1	O-ring16x2			Buy	100 kilogram	Steel
50		1	08/16/2019 12:14:03		Assembly	W874-127_B	Sub-assy-Wheel-127			Make	100 kilogram	asm
60		1	08/16/2019 12:14:03		Assembly	W874-127_B	Sub-assy-Wheel-127			Make	100 kilogram	asm
70		1	08/16/2019 12:14:03		Assembly	ASD-3888-1-L_2	Sub-assy-Brake			Make	100 kilogram	asm

Delivery Records, Problem Reports, Concessions

- Production is seldom straight forward
- ShareAspace help companies to capture feedback on:
 - what has been produced
 - certificates, test protocols related to individuals
 - what specification the product was based on
 - if there are any deviations from specifications
 - approval of delivering with deviations, i.e. concession



Stay in control of changing information

- Changes are decided and implemented by the OEM
- Upload "Change" data set
- Accept changes
 - Track record of what has been accepted and reviewed
- One view for OEM, relevant changes for partners
- Online diff 'reports' with complete history of all changes published and accepted

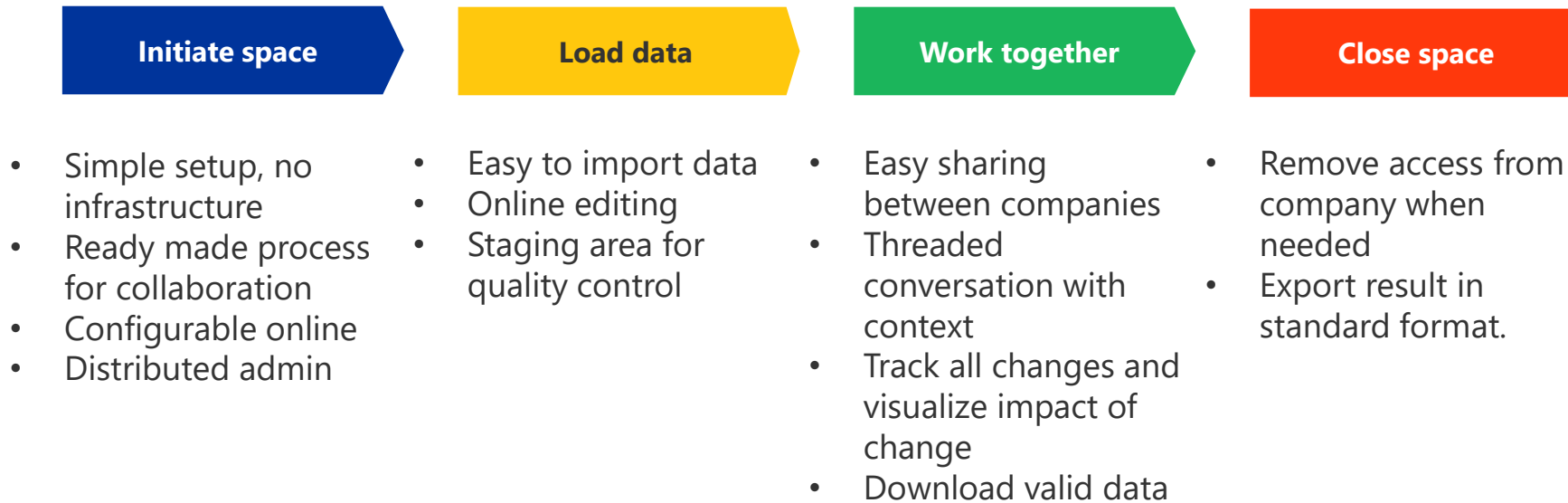
The screenshot displays the ShareSpace / Test2 interface, showing a change impact analysis. The top panel displays a table of changes with columns for Instance, Position, Id, Version, Name, Quantity, Start Date, and End Date. The bottom panel shows a comparison between the 'Past structure' and the 'Current structure' for the same work package, highlighting differences in part numbers and dates.

Instance	Position	Id	Version	Name	Quantity	Start Date	End Date
9938384	D	Wheel Carrier	D	Wheel Carrier		10/17/2019	
CN77-1001		Change O-rings		Change O-rings		10/17/2019	
CN77-1002		Change Brake Piston		Change Brake Piston		10/17/2019	
CN77-1003		Change Brake Cylinder		Change Brake Cylinder		10/17/2019	

Instance	Position	Id	Version	Name	Quantity	Start Date	End Date
9938384	D	Wheel Carrier	D	Wheel Carrier		10/17/2019 8:16:08 AM	
388494	3	Wheel-link-knot	1	Wheel-link-knot	1	10/17/2019 8:11:54 AM	
484949	1	Wheel-carrier-tube	1	Wheel-carrier-tube	1	10/17/2019 8:11:54 AM	
949944	1	Wheel-as	1	Wheel-as	1	10/17/2019 8:11:54 AM	
ASD-3888-1-R	D	Sub-assy-Brake_mtr1	1	Sub-assy-Brake_mtr1	1	10/17/2019 8:11:54 AM	
W874-127	8	Sub-assy-Wheel-127	1	Sub-assy-Wheel-127	1	10/17/2019 8:11:54 AM	
ASD-3888-1-L	2	Sub-assy-Brake	1	Sub-assy-Brake	1	10/17/2019 8:11:54 AM	
484937	1	Hexagon-screw-M3x15	1	Hexagon-screw-M3x15	1	10/17/2019 8:11:54 AM	
484937	1	Hexagon-screw-M3x15	1	Hexagon-screw-M3x15	1	10/17/2019 8:11:54 AM	
84244	2	Brake-piston	1	Brake-piston	1	10/17/2019 8:23:03 AM	
838393-L	1	Brake-cylinder	1	Brake-cylinder	1	10/17/2019 8:11:54 AM	10/17/2019 8:23:03 AM
674-37X2	1	O-ring37x2	1	O-ring37x2	1	10/17/2019 8:11:54 AM	10/17/2019 8:23:03 AM
674-18X2	1	O-ring18x2	1	O-ring18x2	1	10/17/2019 8:11:54 AM	10/17/2019 8:23:03 AM
84244-348	1	Brake-piston	1	Brake-piston	1	10/17/2019 8:23:03 AM	
838393-001-L	1	Brake-cylinder	1	Brake-cylinder	1	10/17/2019 8:23:03 AM	
674-p-37X2	1	O-ring37x2 Premium	1	O-ring37x2 Premium	1	10/17/2019 8:23:03 AM	
674-p-18X2	1	O-ring18x2 Premium	1	O-ring18x2 Premium	1	10/17/2019 8:23:03 AM	
CN77-1001		Change O-rings		Change O-rings		10/17/2019 8:23:05 AM	
CN77-1002		Change Brake Piston		Change Brake Piston		10/17/2019 8:23:05 AM	
CN77-1003		Change Brake Cylinder		Change Brake Cylinder		10/17/2019 8:23:05 AM	

Business benefits

ShareAspace - Design to Manufacturing





Thanks!

Learn more at shareaspace.com

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