

Version Info (Release Notes)

Current Version

Receives continuous updates and new features. Update interval frequently.

Version:	2024.3.317					
Release date:	2024-05-24	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

New:	▪ Import 3D:	•	•	•	•	•
	○ CATIA V5-6 R2024 (R34)					
	○ 3DXML R2024 (R34)					
	○ Inventor 2025					
	▪ Create markups with link #1205	•	•	•	•	•
▪ Replace geometries with different geometries (per selection or new file) #1097	•	•	•	•	•	
▪ Wall thickness/Curvature analysis: new setting to hide irrelevant values #1385	•	•	•	•	•	
▪ Padding for screenshots/raster exports #1265	•	•	•	•	•	
Fixes:	▪ Alternative JT import: fix instances #1394	•	•	•	•	•
	▪ Solid Edge 2024 import: load assembly #1230	•	•	•	•	•
	▪ STEP import: setting for creation of part CS #1347	•	•	•	•	•
	▪ Improve display of Annotation Views #1373	•	•	•	•	•
	▪ 3DPDF export: new default view setting to reduce faulty behavior of Adobe Acrobat Reader #1390	•	•	•	•	•
	▪ Improve circle recognition for small circle segments #1402	•	•	•	•	•
	▪ Changing views did not always update the scene #1403	•	•	•	•	•
	▪ Use font resource folder #1422					•

Previous Version

Version:	2024.2.192				
Release date:	2024-04-19	Desktop	WebViewer	VisShare	VR-Edition
					Automation Server

New:

- Import 3D:
 - NX 2312
 - Parasolid 36.1
 - Rhino3D 8
- Import 2D:
 - CATIA V5-6R2024 (R34)
 - NX 2312 Series (until 2312.4000)
- Alternative JT import: support of non-tessellated PMIs #1333
- Transformation: move and rotate with increments #771
- Section: move and rotate cutting plane with increments #771
- Point-to-point (wire) can now be used on cutting plane #1212
- Color tools: color parts or faces randomly #1270
- Overwrite and reset colors were moved to color tools #1270
- VisShare: direct save for non-private projects #1309
- VisShare: new user role: Manager #1310
- VisShare: improvements of data upload

Fixes:

- NX import: show geometries #615
- JT import: load colors correctly #1247
- BCF Views: find ID in attributes #1371
- Render offset lines when corresponding geometry is not visible #1364
- Offline license error #1349
- VSLM: use Windows groups within JSON groups #1361

Version:	2024.2.192					
Release date:	2024-04-19	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	<ul style="list-style-type: none"> VSLM: fix client communication issue #1378 Setup without SMTP #1383 	●	●	●	●	●

Full Version History

Version:	2024.3.317					
Release date:	2024-05-24	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

New:	<ul style="list-style-type: none"> Import 3D: <ul style="list-style-type: none"> CATIA V5-6 R2024 (R34) 3DXML R2024 (R34) Inventor 2025 Create markups with link #1205 Replace geometries with different geometries (per selection or new file) #1097 Wall thickness/Curvature analysis: new setting to hide irrelevant values #1385 Padding for screenshots/raster exports #1265 	●	●	●	●	●
-------------	--	---	---	---	---	---

Fixes:	<ul style="list-style-type: none"> Alternative JT import: fix instances #1394 Solid Edge 2024 import: load assembly #1230 STEP import: setting for creation of part CS #1347 Improve display of Annotation Views #1373 3DPDF export: new default view setting to reduce faulty behavior of Adobe Acrobat Reader #1390 Improve circle recognition for small circle segments #1402 Changing views did not always update the scene #1403 Use font resource folder #1422 	●	●	●	●	●
---------------	--	---	---	---	---	---

Version:	2024.2.192	Desktop	WebViewer	VisShare	VR-Editio	Automation Server
Release date:	2024-04-19					

New:

- Import 3D:
 - NX 2312
 - Parasolid 36.1
 - Rhino3D 8
- Import 2D:
 - CATIA V5-6R2024 (R34)
 - NX 2312 Series (until 2312.4000)
- Alternative JT import: support of non-tessellated PMIs #1333
- Transformation: move and rotate with increments #771
- Section: move and rotate cutting plane with increments #771
- Point-to-point (wire) can now be used on cutting plane #1212
- Color tools: color parts or faces randomly #1270
- Overwrite and reset colors were moved to color tools #1270
- VisShare: direct save for non-private projects #1309
- VisShare: new user role: Manager #1310
- VisShare: improvements of data upload

Fixes:

- NX import: show geometries #615
- JT import: load colors correctly #1247
- BCF Views: find ID in attributes #1371
- Render offset lines when corresponding geometry is not visible #1364
- Offline license error #1349
- VSLM: use Windows groups within JSON groups #1361
- VSLM: fix client communication issue #1378
- Setup without SMTP #1383

Version:	2024.1.166	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2024-03-12					

New:	▪ Import 3D:	●	●	●	●	●
	○ SolidWorks 2024					
	▪ Alternative JT import: support of views and tessellated PMIs #1207	●	●	●	●	●
	▪ Add field to ribbon to search online help center	●	●			
	▪ Line width setting for contour #1266	●	●	●	●	●
	▪ Korean language supported again	●	●			
Fixes:	▪ VS License Manager: support of wildcards for privilege rule configuration #1293	●	●	●	●	●
	▪ Alternative JT import: multiple loading errors #1207	●	●	●	●	●
	▪ JT Assembly loads correctly #779	●	●	●	●	●
	▪ Improve circle detection #1304	●	●	●	●	●
	▪ Setup: check for correct supported Windows version #1315	●				
	▪ Start up: race conditions when using LMX License Manager #1318	●				
	▪ 3DPDF with import dialog: choose starting scene with 2D/3D button	●	●	●		
	▪ XML-API: GetNodeProperties #1283	●	●	●		●
	▪ XML-API: ImportVSXMLToNode sets correct color #1300	●	●	●		●
	▪ Correct cleanup for exit codes #1298					●
	▪ VS License Manager: Windows Usergroup Timeout #1313	●	●	●	●	●
	▪ VS License Manager: ServerConfig.json no longer overwrites itself on updates	●	●	●	●	●

Version:	2024.0.444	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2024-02-09					

Updated system requirements: Windows 10 / Windows Server 2016

Fixes:	<ul style="list-style-type: none"> ▪ BOM setting "Configure attribute display" #1282 ▪ Import setting "Additional search paths" #1282 ▪ WV: Visualization settings for 2D #1288 ▪ WV: Skybox selection #1277 ▪ KAS: Generate screenshot exit code #1298 	●	●	●	●	●
---------------	--	---	---	---	---	---

Version:	2024.0.438	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2024-01-26					

Updated system requirements: Windows 10 / Windows Server 2016

New:	<ul style="list-style-type: none"> ▪ Import 3D: <ul style="list-style-type: none"> ○ Solid Edge 2024 ○ Parasolid 36.0 ▪ Import 2D: <ul style="list-style-type: none"> ○ Solid Edge 2024 ○ Solidworks 2024 ○ NX 2306 Series (until 2306.7000) ○ CATIA V6 R2024x ▪ Export 2D: <ul style="list-style-type: none"> ○ DXF R32 (AutoCAD 2018) ▪ New icons for all products and 3DVS files ▪ JT import: alternative import per setting for tests available #1207 ▪ 3DVS export: option to save resources (skyboxes, backgrounds, materials, glare effects) ▪ IFC import: performance improvements #942 #1164 	●	●	●	●	●
-------------	--	---	---	---	---	---

Version:	2024.0.438	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2024-01-26					
▪ STL, OBJ and E57 import: settings added to split huge files on import, helps with performance and enables to load files that would be too big otherwise #1090 #1170	●	●	●	●	●	●
▪ WV: improved quality of displayed images #1108		●	●			
▪ Section: slice geometries, can be applied several times (does not equal multi-cut) #1098	●	●	●	●	●	●
▪ Compare: added comparison for PMIs #970	●	●	●	●	●	●
▪ Selected faces can be merged #1180	●	●	●	●	●	●
▪ KAS can now be separately installed						●
▪ PMIs: support of multiple colors #734	●	●	●	●	●	●
▪ Materials: improve patterned texture application #1151	●	●	●	●	●	●
▪ Mouse setting for fit-all function #962	●	●	●			
▪ Always show rotation point #960	●	●	●			
▪ XML-API pane moved from Output pane to Tool ribbon, response output added #1103	●					
▪ XML-API: functions to color nodes or faces randomly # 1221	●	●	●	●	●	●
▪ VS License Manager: supports upgrade-switches of license features now	●	●	●	●	●	●
▪ VS License Manager: license monitor improvements # 1186	●	●	●	●	●	●
Fixes:						
▪ Correct installation behavior for closing running applications #1204	●	●	●	●	●	●
▪ Improve startup behavior of Desktop version #1211	●					
▪ WV: initialize 2DAdvanced feature correctly #1255		●	●			
▪ SolidEdge import: correct subassembly visibility #925	●	●	●	●	●	●
▪ STEP import: load tessellation correctly #1023	●	●	●	●	●	●
▪ NX import: load node visibility correctly #1193	●	●	●	●	●	●

Version:	2024.0.438					
Release date:	2024-01-26	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- OBJ import: load textures in edge case correctly #1170
- Aligning: Move: enable functions to work with a boundary condition if activated #1235
- Structure tree: moving nodes lost file paths #1214
- WV: Structure tree: multi-selection with SHIFT in a large tree #1234
- Clear CustomIDs #1229

•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

Version:	2023.7.197					
Release date:	2023-11-17	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

New:

- Import 3D:
 - Revit 2024
- Solid Edge: support of Assembly Features #829
- Center handle of translation transformations (move) #1087
- Reset geometries to initial color
- Overwrite initial color of geometries
- BOM: new creation mode: Structure tree: lists all root and PO nodes #716
- BOM: new creation mode: Selection including children: lists selected node and all its children nodes #1160
- BOM: new option to remove or keep empty columns #1169

•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

Fixes:

- SolidEdge import: show pipes correctly #830
- SolidEdge import: show frames correctly #646

•	•	•	•	•
•	•	•	•	•

Version:	2023.6.145	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-10-13					

- New:**
- Import 3D:
 - NX 2306
 - JT up to 10.9
 - Import 2D:
 - NX 2306 Series (until 2306.4000)
 - Curvature analysis: New feature to analyse surfaces
 - KAS Monitor: New tool for conversion per directory monitoring
 - PLMXML import: option to load 3DVS instead of referenced JTs #1053
 - 2D: option to turn page with mouse wheel
 - 2D: option to keep position when turning pages #291

- Fixes:**
- SolidEdge import: Coordinate system visibility and size #825 #861 #862
 - SolidEdge import: Simplifications improvements #808 #864
 - Navisworks import improvements #927 #989
 - Improve radius measurements #1046
 - Improve angle measurements #1072
 - Improve display of PMIs with asian characters #908
 - Improve display of drawings with asian characters #872
 - Improve Copy-Paste behaviour #946 #947

Version:	2023.5.648	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-09-08					

- New:**
- Import 3D:

Version:	2023.5.648					
Release date:	2023-09-08	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

	<ul style="list-style-type: none"> o USD ▪ Rework: Floating licensing ▪ Rework: Wall thickness #140 ▪ Rework: Band analysis #144 #143 ▪ Rework: Aligning #607 	●	●	●	●	●
Fixes:	<ul style="list-style-type: none"> ▪ Revit: Problems with displaying of Revit file #920 ▪ 3DPDF: prevent crash during loading #984 ▪ Neutral axis: optimizations for some cases #986 ▪ Load DWG/DXF import dlls correctly #931 ▪ DXF export speedup in critical cases #987 ▪ 2D default export format is not applied #897 ▪ WebViewer Ribbon for small screens fixed #1035 	●	●	●	●	●

Version:	2023.4.217					
Release date:	2023-08-09	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

New:	<ul style="list-style-type: none"> ▪ Import 3D: <ul style="list-style-type: none"> o ACIS 2023 o Creo 10.0 o Navisworks 2024 ▪ Import 2D: <ul style="list-style-type: none"> o NX 2212 Series (until 2212.7000) ▪ NX assembly files load referenced JT files #907 #7110 ▪ Selection: all geometries, all PMIs and all markups ▪ VR: activating views now changes the position #969 	●	●	●	●	●
-------------	---	---	---	---	---	---

Version:	2023.4.217					
Release date:	2023-08-09	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	<ul style="list-style-type: none"> XML-API console 	●				
Fixes:	<ul style="list-style-type: none"> Navisworks file loading error #826 CATDrawing: wrong font recognized for some symbols #743 Show quick info on hover in structure tree #945 Use correct position while copying focused geometry to second scene #854 100 % Ghost shows correct transparency #896 Activation license: correct maintenance check #941 Import: ZIP archive was falsely recognized as 3MF #421 	●	●	●	●	●

Version:	2023.3.149					
Release date:	2023-06-09	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	<ul style="list-style-type: none"> Import 3D: <ul style="list-style-type: none"> Catia V5_6 R2023 Parasolid 35.1 Inventor 2024 DXF export: screen-aligned markups are saved as text #798 Node properties to adjust rotation and scale of patterned materials #865 XML-API: FindAndReplaceString #764 XML-API: ConvertVSXMLToNestedSTEP now supports optional export of node tree structure #661 XML-API: Set markup anchor #744 	●	●	●	●	●
Fixes:	<ul style="list-style-type: none"> Reestablished support of older CPUs #877 	●	●	●	●	●

Version:	2023.3.149	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-06-09					
<ul style="list-style-type: none"> ▪ 3DVS and VSXML: Floating point format may differ in XML content if precision can be preserved by using scientific notation #762 ▪ Floating license issue regarding the combined use of IMPORT_3DVS and IMPORT_All fixed #910 ▪ Parasolid import: show correct node names in structure tree #906 ▪ STEP import: show views correctly #595 ▪ CATIA import: show a part not multiple times #131 ▪ CATIA import: don't show coordinates systems as faces #132 ▪ CATIA import: load R22 files updated with CATIA R32 #781 ▪ Revit import: rfa file loads now correctly #797 ▪ STEP export: tessellation issue #614 ▪ VSXML import: progress overlay was not removed #924 ▪ DXF export: circle recognition algorithm improved #800 ▪ Some formats could not be converted to FBX #911 ▪ Material rendering repaired after disassembling and reassembling surfaces #645 ▪ Webviewer usage collector optimised #839 ▪ jQuery update #902 	●	●	●	●	●	

Version:	2023.2.146	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-04-14					

<p>New:</p> <ul style="list-style-type: none"> ▪ Import 2D <ul style="list-style-type: none"> ○ NX 2212 Series until 2212.4000 ○ HEIC (as is) ○ Excellon (as is) 	●	●	●	●	●
--	---	---	---	---	---

Version:	2023.2.146					
Release date:	2023-04-14	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

	<ul style="list-style-type: none"> Exact compare: works now with tessellation #517 Export views to PDF: new settings to define paper format and DPI #567 Presets: color picker can include user-defined tooltip #776 XML-API: SaveAsRelative 	●	●	●	●	●
Fixes:	<ul style="list-style-type: none"> CGM: wrong display #667 	●	●	●		●

Version:	2023.1.225					
Release date:	2023-03-28	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

Fixes:	<ul style="list-style-type: none"> Windows Server 2016 startup #789 Print dialogue #785 Change name: Del button deletes node #788 Structure tree: cut and paste #787 	●	●	●	●	●
		●				
		●				
		●	●	●		

Version:	2023.1.224					
Release date:	2023-03-17	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

New:	<ul style="list-style-type: none"> Import 3D <ul style="list-style-type: none"> AVEVA RVM Navisworks 2023 NX 2212 Parasolid 35.0 Solid Edge 2023 SolidWorks 2023 SolidEdge import: support of coordinate systems 	●	●	●	●	●
		●	●	●	●	●

Version:	2023.1.224					
Release date:	2023-03-17	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	<ul style="list-style-type: none"> JT export: support of coordinate systems Faster vector export (DXF, SVG) Cut of multiple nodes and paste on one of them creates a new node Rework: Alignment functions part 1: Render preview Rework: Attribute CSV import 	●	●	●		●
	<ul style="list-style-type: none"> Solid Edge 2022 simplifications #502 Solid Edge assembly references #754 Multiple Inventor import issues #582 #584 OBJ import: missing triangles #715 WRL import: missing geometries #671 Shut down when double-click in structure tree API: ConvertDXFVersion not working #724 Uninstall error Deleting of log files #761 	●	●	●	●	●

Version:	2023.0.405					
Release date:	2023-02-13	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	<ul style="list-style-type: none"> IMPORTANT: <ul style="list-style-type: none"> This release includes licensing updates for VisShare. Old licenses will not run with this VisShare. Import 3D <ul style="list-style-type: none"> Revit 2023 			●		

Version:	2023.0.405					
Release date:	2023-02-13	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	<ul style="list-style-type: none"> ▪ Import 2D <ul style="list-style-type: none"> ○ CATIA V6 R2023x ○ Solid Edge 2023 ○ Solidworks 2023 ▪ 2D DWG/DXF: Font substitution available on import #503 ▪ Edge length of construction planes can now be defined on import ▪ Structure tree: edit node names per click #625 ▪ Structure tree: new functions to cut, copy and paste ▪ KAS: The log file now contains all the information used during the conversion (path to the used settings etc.) #639 ▪ VR: new setting to define color and transparency of the floor #666 	●	●	●		●
Fixes:	<ul style="list-style-type: none"> ▪ STEP import crashed in rare cases #719 ▪ Creo 4 and 7 assemblies open correctly #248 #463 ▪ Revit: fix box representation of some geometries #6880 ▪ DWG: an old version was incorrectly recognized #623 ▪ 3DPDF recognition improved #718 ▪ PLMXML reader improved #601 ▪ VSXML: set correct node type #642 ▪ Some native PMIs had a wrong bounding box and made the scene huge #632 ▪ Improve highlighting of PMI references #603 ▪ BOM: Bounding box measurements corrected #681 ▪ Correct FitAll in perspective mode #599 ▪ Circles can be measured again after extracting faces of a solid #532 ▪ World coordinate systems were created at the wrong position in rare cases #530 	●	●	●	●	●

Version:	2023.0.405					
Release date:	2023-02-13	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- Set section plane handles correctly after activating views #88 ● ● ● ●
- Show face properties when selecting multiple faces #627 ● ● ● ●
- Activator success exit code was moved from 1 to 0 #624 ● ● ● ● ●

Version:	2022.8.293					
Release date:	2022-12-05	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- New:**
- DXF Export: support of coordinate systems #544 ● ● ● ●
 - Import attributes from CSV #596 ● ● ● ●
 - Background color for PMIs #535 ● ● ● ● ●
 - BOM - new options: Bounding box, gravity center, structure level #273 #288 #326 ● ● ● ● ●
 - Show face attributes #329 ● ● ● ● ●
 - API: Identify node complexity #350 ● ● ● ● ●

- Fixes:**
- Improve import of PDF #576 #589 ● ● ● ● ●
 - Improve instance recognition #590 ● ● ● ● ●
 - Improve E57 point cloud rendering #540 ● ● ● ● ●
 - Fix split scene function #600 ● ● ● ● ●
 - Fix circle markups in 2D #453 ● ● ● ● ●
 - Improve TIF performance after copy/paste #619 ● ● ● ● ●
 - Improve loading of many attributes #618 ● ● ● ● ●
 - VR: One eyed rendering in some cases ●

Version:	2022.7.482					
Release date:	2022-11-07	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

New:▪ **IMPORTANT:**

- This release contains security updates. We recommend updating to this version as soon as possible.

- Import 2D
 - NX 2206
- Export 2D
 - WMF (raster)
- Activation licensing improved
- Transform: three points to three points #403
- Copy/Paste in 2D scenes #218 #224 #489
- Improve performance of VSXML import
- Load structure, then reload all nodes #476
- Setup: New option to generate extensive support information for critical cases (default: on)

●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●		●	●
●				
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●

Fixes:

- Show correct wall thickness result in the measurement pane #549
- Line highlights are rendered with line width correctly #537
- Improve Solidworks conversion in rare cases #484
- Improve Navisworks import #516
- Improve Solid Edge DFT import #470 #3675
- Improve SVG export #504
- E57: use correct scale and up-vector

●	●	●		
●	●	●	●	
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●

Version:	2022.6.170					
Release date:	2022-09-05					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server

New:

- **IMPORTANT:**
 - Network licensing (Floating) requires license server version 5.0 or higher
- STEP, IFC and Creo Import: choose codepage to display node names correctly (available codepages can be edited in the preset.xml) #405
- Rework of node movements in structure tree #188 #189
- Structure tree: CSV Export #393
- Structure tree: horizontal scrollbar #472
- Option to turn material rendering off #270
- Animated focus (includes translation, rotation and ghosting) #440
- TIFF 8bpp import #451
- XML-API: GetWallthicknessRollingBallAnalysisResults #396

Fixes:

- Solidworks format recognition fix #473
- DXF Export: sometimes showed hidden lines #448
- DXF Export: circle recognition improved #417
- Raster images: export and printing fixed #471
- Improve undercut calculation #271
- Handle missing materials correctly #386
- Handle geometries after wire removal and generation correctly #483
- Structure tree: fix behavior in large trees #472

Version:	2022.6.170					
Release date:	2022-09-05					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- Fix Callout and Fixed Text positioning for printing and 2D raster export #477 ● ● ● ● ●
- Skybox: incremental rendering fixed #475 ● ● ● ● ●
- XML-API: GenerateAttribute and GenerateCustomIds fixed for special characters #388 ● ● ● ● ●

Version:	2022.5.199					
Release date:	2022-08-11					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- New:**
- **IMPORTANT:** ● ● ● ● ●
 - Network licensing (Floating) requires license server version 5.0 or higher
 - Import 3D ● ● ● ● ●
 - AutoCAD DWG/DXF #181
 - Creo 9
 - Inventor 2023
 - Parasolid 34.1
 - NX 2206
 - Export 3D ● ● ● ● ●
 - XML-API: Convert VSXML to STEP AP214-CC06 Master file (nested external references) #351
 - KAS/API: new command CONVERT_AND_EXECUTE_XML ●
 - First level of attribute names shown as subcategories ● ● ● ● ●
 - Improve 3DVS and VSXML import performance ● ● ● ● ●
 - Option to replace the 3D model with a screenshot in templated 3DPDF export ● ● ● ● ●

Version:	2022.5.199					
Release date:	2022-08-11					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server
Fixes:	▪ Save field of view settings in 3DVS files #274	●	●	●		●
	▪ Show attributes correctly #167	●	●	●		●
	▪ Improve DXF/SVG export performance	●	●	●		
	▪ DXF measurements wrong #349	●	●	●		
	▪ PDF format recognition improved #458	●	●	●	●	●
	▪ PDF attachment display with unicode characters #416	●	●	●		
	▪ Huge STL files crashed #296 #324	●	●	●	●	●
	▪ STPX, 3DS, 3MF, Collada: Node name in structure reduced from pathname to filename #361	●	●	●		●
	▪ Copy text to clipboard: Fix and rework deactivation handling #390	●	●	●		
	▪ Measurement markups: Improve rendering of reference wires #411	●	●	●	●	●
	▪ Coordinate systems: visibility fixed, when they are not near geometry #412	●	●	●	●	●
	▪ Load fonts with unicode filenames correctly on startup #410	●	●	●	●	●
	▪ Correct translation for presets #86		●	●		
	▪ Circle markup creation relative to camera #375				●	
	▪ Error message when loading 2D documents #375				●	
	▪ Section cut controllers, pickray, menu and floor #375				●	
	▪ Correct floor shadow in perspective #375	●	●	●	●	

Version:	2022.4.169					
Release date:	2022-07-07					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

New:	<ul style="list-style-type: none"> ▪ IMPORTANT: <ul style="list-style-type: none"> ○ Network licensing (Floating) requires license server version 5.0 or higher ▪ Import 3D <ul style="list-style-type: none"> ○ Catia V5-6R2022 (R32) ▪ Import 2D <ul style="list-style-type: none"> ○ Creo 9.0 ○ NX 2019, 2027 ▪ WebViewer: Server health tests added #69 ▪ WebViewer: Server blocks incoming requests on high load #69 ▪ Techdoc/BOM: Option to generate ID with only attribute value #129 ▪ API: Compare two 3D models per URL parameter with Bestfit computation for auto alignment 	●	●	●	●	●
Fixes:	<ul style="list-style-type: none"> ▪ Creo 8 file loads correctly #233 ▪ NX PRT: handle 2D/3D case correctly #401 ▪ SLDDRW: correct position of information flags #251 ▪ UpdateScene rework #161 ▪ Improve Split computation time #336 ▪ Clash: compute multiple times fix #201 ▪ Fix crash in Bestfit computation #368 ▪ Improve clipping plane handling in flythrough/with focus #52 ▪ Fix interactions, if section and markup creation are both active #92 ▪ Remove undo for configuration view creation #89 	●	●	●	●	●

Version:	2022.4.169					
Release date:	2022-07-07					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- Wrong world bounding box in rare cases #343

●	●	●	●	●
---	---	---	---	---
- WebSocket closed behavior optimized for clients that sent connect message #301

	●	●		
--	---	---	--	--
- WebViewer: Copy image to clipboard fix #247

	●	●		
--	---	---	--	--
- Structure & output panes are scaled along with resolution change #230

●				
---	--	--	--	--
- VR: Skybox fixed #374

			●	
--	--	--	---	--
- VR: Display shadow correctly #340

				●
--	--	--	--	---

Version:	2022.3.428					
Release date:	2022-05-21					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- New:**
- **IMPORTANT:**
 - Network licensing (Floating) requires license server version 5.0 or higher

●	●	●	●	●
---	---	---	---	---
 - Import 3D
 - Autodesk Navisworks 2012 - 2022
 - Autodesk Revit 2022
 - JT 10.6

●	●	●	●	●
---	---	---	---	---
 - Best fit: align two nodes to overlap #113

●	●	●		
---	---	---	--	--
 - Measure point to point on curve #111

●	●	●		
---	---	---	--	--
 - Transform: circle center to point #204

●	●	●		
---	---	---	--	--
 - Attachment pane for 2D documents #158

●	●	●		
---	---	---	--	--

Version: Release date:	2022.3.428 2022-05-21	Desktop	WebViewer	VisShare	VR-Editon	Automation Server
			<ul style="list-style-type: none"> ▪ Change color of tessellated PMIs on import #78 ▪ Add 7 additional light sources #45 ▪ Table view extended by date and file size #258 	●	●	●
Fixes:	<ul style="list-style-type: none"> ▪ Fonts for DWG/DXF #122 ▪ 3D PDF crashing in rare cases #305 ▪ OBJ: Improve texture visualisation #277 ▪ HPGL with embedded TIF: correct display #82 ▪ Inventor assembly won't open #5181 ▪ Solidworks: wrong transparencies #6583 ▪ Conversion of Solidworks configurations with special characters #286 ▪ Correct conversion of limited Solidworks configurations #325 ▪ Markups: fix CustomID, reference and scale handling #252 #299 #300 ▪ Crashes with corrupted wires in rare cases #272 ▪ BOM: copy to clipboard missing information #292 ▪ Fix anchor for Markups in views #308 ▪ Coordinate system picking highlight #40 ▪ Improve instantiation #123 ▪ Clash volume color always black #239 ▪ Save mouse settings for 2D correctly #55 	●	●	●	●	●

Version:	2022.3.428				
Release date:	2022-05-21				
	Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- Display VSXML CustomIds correctly #313 ● ● ●
- Improve transformations including TechDoc markups #160 ● ● ●
- Setup will check if the OS is compatible before installing ● ● ● ● ●

Version:	2022.2.167				
Release date:	2022-04-11				
	Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- New:**
- **IMPORTANT:** ● ● ● ● ●
 - Network licensing (Floating) requires license server version 5.0 or higher
 - Import 3D ● ● ● ● ●
 - NX 2007
 - Solid Edge 2022
 - SolidWorks 2022
 - Import 2D ● ● ● ● ●
 - CATIA V5-6R2022 (R32)
 - NX 2007, 2008, 2011, 2015
 - Layer support for 2D documents #180 ● ● ●

- Fixes:**
- JT PMLs: improve visualization #168 ● ● ● ● ●
 - TIFF: fix loading error #250 ● ● ● ● ●
 - Undercut fix #271 ● ● ● ● ●

Version:	2022.2.167	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2022-04-11					
	<ul style="list-style-type: none"> 2D compare did not work in rare cases #246 Markup import: use CustomIDs correctly #249 KAS: fix rare crash during SolidWorks convert #174 WV: custom-svg-icons.xml moved to www\custom WV: index.html, version starts with a '': <pre><script>var _WVVersion = ".2022.2.167-3d9e160cb0";</script></pre> WV: svg-icons.xml renamed to match other files versioning style WV: references and loader adjusted 	●	●	●		
		●	●	●	●	●
			●	●		●
			●	●		
			●	●		
			●	●		

Version:	2022.1.136	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2022-03-08					
New:	<ul style="list-style-type: none"> IMPORTANT: <ul style="list-style-type: none"> Network licensing (Floating) requires license server version 5.0 or higher New Microsoft Redistributables will be installed during the setup routine. They contain fixes for some OS. Rework: Shadow rendering #116 	●	●	●	●	●
		●	●	●	●	

Version:	2022.0.296					
Release date:	2022-02-11					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server
	<ul style="list-style-type: none"> ▪ CATIA: PMI references to solids #50 	●	●	●	●	
	<ul style="list-style-type: none"> ▪ Setting to load prototype views #51 	●	●	●		
	<ul style="list-style-type: none"> ▪ Setup creates backup of presets.xml 	●			●	
Fixes:	<ul style="list-style-type: none"> ▪ JT to 3DVS: PMI text correctly exported #49 #105 	●	●	●		●
	<ul style="list-style-type: none"> ▪ E57: loading error when UTF8 characters in filepath #109 	●	●	●	●	●
	<ul style="list-style-type: none"> ▪ FBX: loading error in rare cases #119 	●	●	●	●	●
	<ul style="list-style-type: none"> ▪ CATDrawing: won't open #6765 	●	●	●		●
	<ul style="list-style-type: none"> ▪ CATDrawing: wrong curves #6876 	●	●	●		●
	<ul style="list-style-type: none"> ▪ DFT: wrong measurement #6912 	●	●	●		●
	<ul style="list-style-type: none"> ▪ DFT: won't open #7195 	●	●	●		●
	<ul style="list-style-type: none"> ▪ PDF: no background/wrong background color #124 #149 	●	●	●		●
	<ul style="list-style-type: none"> ▪ DXF/SVG Export: lines missing #17 #53 	●	●	●		●
	<ul style="list-style-type: none"> ▪ CGM Export fixed #18 	●	●	●		●
	<ul style="list-style-type: none"> ▪ Open 3D scene for Office documents 	●	●	●		●
	<ul style="list-style-type: none"> ▪ Improve volume calculation #47 	●	●	●		
	<ul style="list-style-type: none"> ▪ Loading error when UTF8 characters are in filepath #81 		●	●		
	<ul style="list-style-type: none"> ▪ Transform: Free drag not working #44 		●	●		
	<ul style="list-style-type: none"> ▪ PMI properties: change font #59 		●	●		
	<ul style="list-style-type: none"> ▪ Support info zipfile was not created #20 	●			●	

Version:	2022.0.296					
Release date:	2022-02-11					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server

- XML-API: ImportConfigurationViews fix #39



Version:	2021.1.835					
Release date:	2021-11-10					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server

New:

- **IMPORTANT:**
 - Network licensing (Floating) requires license server version 5.0 or higher
- Import 3D
 - ACIS 2021 1.0
- Import 2D
 - NX 1980, 1984, 1988
 - 2D DWG/DXF: option to load multiple layouts #7020 #2841 #5938 #6557 #6791
- Calculate Inertia
- TIF: change contrast #7252



Fixes:

- FBX Export: Root nodes missing #7122
- SolidWorks configurations: incorrect display of parts #6953
- CATIA files could not be opened #7102
- PLMXML: some files could not be opened #7224
- Crash of PDFs in rare cases #7187



Version:	2021.1.835					
Release date:	2021-11-10					
		Desktop	WebViewer	VisShare	VR-Editio n	Automation Server
▪ Speed up deletion of views #7089		●	●	●		
▪ 2D text search: Position of highlighting #6804		●	●	●		
▪ Coloring faces #7029		●	●	●		
▪ Export convex hull #7046		●	●	●		●
▪ Optimize update view navigation #7211		●	●	●		
▪ Print of large 2D files #7242		●	●	●		●
▪ Correct filepaths in VSXML export #7199		●	●	●		●
▪ Picking performance #7230					●	
▪ Clean up node IDs of markups #7226		●	●	●	●	●
▪ Fix circle selection for various measurement functions #7120		●	●	●	●	
▪ TechDoc callouts: export fix #7173		●	●	●		●
▪ TreePath on root level now unique #7156		●	●	●	●	●
▪ Minimal bounding box: crash in rare cases #7129		●	●	●	●	
▪ Default language after installation #7193		●			●	
▪ XML-API: add SetSelectFaces #7165		●	●	●		
▪ XML-API: add GetNodeTransformMatrix #7137		●	●	●		
▪ XML-API: get/set camera using wrong position #7124		●	●	●		
▪ XML-API: setting a CustomId (SetNodeProperties) resets constraints on child nodes fixed #7170		●	●	●		

Version:	2021.1.424					
Release date:	2021-09-01					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server

New:	<ul style="list-style-type: none"> ▪ IMPORTANT: <ul style="list-style-type: none"> ○ Network licensing (Floating) requires license server version 5.0 or higher ○ Updated Microsoft Redistributables are needed (will be installed during the setup routine) ▪ Import 2D <ul style="list-style-type: none"> ○ TIFF performance increased #7070 ▪ 2D measurements: choose document scale #6787 ▪ Search: PMI, markup, text added #7019 ▪ Wall thickness heatmap: option to keep preferred values #6988 	<ul style="list-style-type: none"> ● ● ● ● ● ● ● ● ● 	<ul style="list-style-type: none"> ● ● ● ● ● ● ● ● ● 	<ul style="list-style-type: none"> ● ● ● ● ● ● ● ● ● 	<ul style="list-style-type: none"> ● ● ● ● ● ● ● ● ● 	<ul style="list-style-type: none"> ● ● ● ● ● ● ● ● ●
Fixes:	<ul style="list-style-type: none"> ▪ FBX export: prevent export of deleted geometries #7086 ▪ VSXML export: physical properties will be written #6972 ▪ Improve visibilities after transformation or rotation #7050 ▪ Length measurement: prevent crash #7085 #7105 ▪ Markup text: improve multiline handling #7033 ▪ Change path for logging to AppData directory #7025 ▪ VR: improve logging #7009 ▪ VR: improve screenshots #7010 	<ul style="list-style-type: none"> ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● 	<ul style="list-style-type: none"> ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● 	<ul style="list-style-type: none"> ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● 	<ul style="list-style-type: none"> ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● 	<ul style="list-style-type: none"> ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●

Version:	2021.1.11					
Release date:	2021-08-11					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- | | | |
|---------------|---|--|
| New: | <ul style="list-style-type: none"> ▪ IMPORTANT: <ul style="list-style-type: none"> ○ Network licensing (Floating) requires license server version 5.0 or higher ○ Updated Microsoft Redistributables are needed (will be installed during the setup routine) ▪ Import 3D <ul style="list-style-type: none"> ○ Inventor 2022 ▪ Optional prompt to save when closing a scene #6966 ▪ References for dimensionings of surfaces and edges ▪ VR menu settings will be saved | <ul style="list-style-type: none"> ● ● ● ● ● ● ● ● |
| Fixes: | <ul style="list-style-type: none"> ▪ Optimization of visualization of coordinate systems #6922 ▪ Clash: set transparency of collision pair correctly #6934 ▪ 3DConnexion Controller: handling optimized #7043 ▪ Solidworks: ASM could not be opened #6865 | <ul style="list-style-type: none"> ● ● ● ● ● ● ● ● |

Version:	2021.0.132	Recommended Version				
Release date:	2021-07-20					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- | | | |
|-------------|---|---|
| New: | <ul style="list-style-type: none"> ▪ IMPORTANT: | <ul style="list-style-type: none"> ● ● ● ● ● |
|-------------|---|---|

Version:	2021.0.132	Recommended Version				
Release date:	2021-07-20	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- Network licensing (Floating) requires license server version 5.0 or higher
- New 3DVS format V17. 3DVS files exported with this version are not compatible with pre-2021 versions of 3DViewStation
- Updated Microsoft Redistributables are needed (will be installed during the setup routine)

- Import 3D
 - Catia V5-6 R2021
 - NX - Unigraphics 1980
 - Parasolid 33.1
 - Creo 8
- Import 2D
 - Creo 8
 - NX 1965, 1969, 1973

Fixes:

- JT: Views were missing in rare cases #6859
- NX: 3D files show empty 2D document #6964
- CATDrawing issues fixed #6765 #6876
- Solid Edge drawing issues fixed #3154 #4707 #6912

Version:	2021.0.124					
Release date:	2021-07-02					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

New:	<ul style="list-style-type: none"> ▪ IMPORTANT: <ul style="list-style-type: none"> ○ Network licensing (Floating) requires license server version 5.0 or higher ○ New 3DVS format V17. 3DVS files exported with this version are not compatible with pre-2021 versions of 3DViewStation ▪ New FBX Im-/Exporter <ul style="list-style-type: none"> ○ Import: all versions ○ Improved load time #6410 ○ Export: binary 7.5 ○ Export coordinate system #6081 ○ Export correct scaling #5683 ▪ Selection mode: Face ▪ Change the color of faces: Add vertex colors #6946 ▪ Measurement: Cumulated area #4099 ▪ Measurement: Distance point to face #3379 ▪ Transform: Boundary conditions: X, Y and Z axis added #5615 ▪ VSXML: XSD for validation ▪ XML-API: <ul style="list-style-type: none"> ○ New method for writing custom log messages to renderer instance log files and feature usage logging ○ Reference to part Nodelds and CustomIds added in VSXML for measurement markups ○ Camera Zoom/Pan limits ○ OpenFile extended: Load from URL 	●	●	●	●	●
Fixes:	<ul style="list-style-type: none"> ▪ VSXML import: improve performance #6473 #6976 ▪ Parasolid: improve format recognition #6897 	●	●	●	●	●

Version:	2021.0.124					
Release date:	2021-07-02					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server
▪ Improve visibility while viewing: remove flickering #6891		●	●	●	●	
▪ Clash computation #6921			●	●		
▪ Presets/properties: materials and density consolidated #6608		●	●	●	●	●
▪ Performance of measuring improved #6890		●	●	●	●	
▪ Face highlights during measurement improved #6417		●	●	●	●	
▪ Circle recognition improved #4519		●	●	●	●	
▪ Setup: added default installation path for silent installation #6913		●	●	●	●	●
▪ Setup: use user-defined path #6950		●	●	●	●	●
▪ Remember user-defined accelerator keys #6915		●				
▪ Session sharing: server side rework, spectator client optimized			●	●		
▪ IPC fix for interprocess synchronization and communication problem on high server CPU load			●	●		
▪ XML-API: call execution improved #6626			●	●		

Version:	2021.0.95					
Release date:	2021-05-10					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server

- New:**
- **IMPORTANT:**
 - Network licensing (Floating) requires license server

Version:	2021.0.95					
Release date:	2021-05-10					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server

version 5.0 or higher

- New 3DVS format V17. 3DVS files exported with this version are not compatible with pre-2021 versions of 3DViewStation

- Import 3D
 - JT 10.5 #6718
 - NX - Unigraphics 1953
 - Parasolid 33
 - Rhino3D 7
- Export 3D
 - GL Transmission Format 2.0 #5566
- Import 2D
 - CATIA V5-6R2021 (R31)
 - NX: 1953, 1957 and 1961
- GUI: Bounding box measurement optimized
- 3D-Markups: Multiple references to curves and faces
- Offset lines are now removable (by GUI and API) #6705
- 3D-Markups: Variables and attributes can be used and line breaks can be set comfortably (GUI and API)
- VR: Different controller models can be displayed
- Ad hoc session sharing with multiple users

Fixes:

- Markup export: Node ID & Custom ID added
- Markup creation stability improved #6600
- SolidEdge: Position of some lines were not correct #6345
- PLMXML: Sequence number added to attributes #3799
- XML-API:
 - Fly mode rework #6589 #6770

Version:	2021.0.95					
Release date:	2021-05-10					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- Distance controllable camera alignment in fly mode
- Align horizon in fly mode
- Undo function includes node properties

▪ 2D-DWG: performance improved #6808	●	●	●	●	●
▪ 2D-DWG: PDF export resulted in empty scene in Adobe Acrobat Reader #6695	●				●
▪ 2D Compare improved #6552 #3436	●	●	●		
▪ 3D-PDF: Stability of PMI handling improved #6522	●	●	●	●	
▪ Print dialog: Scale setting improved #6595	●	●	●		
▪ CATIA: Missing PMI text in rare cases #6848	●	●	●	●	●
▪ CATIA: PMI alignment improved #6768	●	●	●	●	●
▪ SolidWorks: Structure tree optimized #5918	●	●	●	●	●
▪ Stability of drag&drop file import improved #6799	●				

Version:	2021.0.6					
Release date:	2021-02-26					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

New:	▪ IMPORTANT:	●	●	●	●	●
	○ Network licensing (Floating) requires license server version 4.9.22 or higher					

Version:	2021.0.6					
Release date:	2021-02-26					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- New 3DVS format V17. 3DVS files exported with this version are not compatible with older versions of 3DViewStation

<ul style="list-style-type: none"> ▪ Import 3D <ul style="list-style-type: none"> ○ 3D Manufacturing Format (3MF) 1.2.3 ○ MineCraft ○ Revit 2021 ○ Solid Edge 2021 ▪ Export 3D <ul style="list-style-type: none"> ○ 3DVS V17 ○ MineCraft ○ WaveFront OBJ ▪ Import 2D <ul style="list-style-type: none"> ○ SVG ▪ 2D: Transformations available ▪ Align camera vertical to a face ▪ BOM: Configuration of shown attributes ▪ BOM: Generating of callout ID by attributes ▪ BOM: Physical properties ▪ Convert dialog: Prefer geometry / prefer tessellation added ▪ Convex hull: Calculation speed improved ▪ Coordinate systems settings added and ribbon menu reorganized ▪ Create point at intersection of two lines ▪ Draft: Undercut analysis ▪ Export of views overview to PDF ▪ Import progressbar ▪ Markups: User defined attributes 	●	●	●	●	●
---	---	---	---	---	---

Version:	2021.0.6					
Release date:	2021-02-26					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server

- Measurement: Distance solids to solids ● ● ●
- Minimal bounding box - Exact: Calculation speed improved ● ● ● ●
- Ribbon: Measurement reorganized ● ● ●
- Section: Create orthogonal to a line ● ● ●
- Section: Cut geometry with geometry colors possible ● ● ●
- Selection mode: PMI reference ● ● ● ●
- Setup wizard supports update of WebViewer / VisShare ● ●
- Snap mode for snapping mid- or endpoints of lines and edges ● ● ● ●
- Statusbar: Cursor coordinates ●
- Statusbar: Format version ●
- Support of textures: 3DVS, 3MF, DAE, FBX, GLTF, OBJ, U3D ● ● ● ● ●
- Turntable mode: Settings for detailed configuration ● ● ●
- Views: Context menu to activate only the camera or the state of views ● ● ●
- Views: Import setting to apply **ZOOM: FIT ALL** to all views ● ● ● ●
- VisShare: Mobile UI version for smartphones & tablets ●
- VR: Camera rotatable via thumbstick or touchpad of the controller ●
- VR: Feedback message boxes ●
- VR: Help menu ●
- VR: New design of Teleport with head height ●

Version:	2021.0.6					
Release date:	2021-02-26					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- Wallthickness heatmap: Improved visualization #6415 ● ● ● ●
- WebViewer: Sessions in standby can be continued #6277 ● ●

Version:	2020.1.410	Recommended Version				
Release date:	2021-01-14					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- New:**
- **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.22 or higher ● ● ● ● ●
 - Import 3D
 - SolidWorks 2021 ● ● ● ● ●
 - Import 2D
 - CATIA V6 / 3DEXperience R2021x ● ● ● ● ●
 - NX: 1938, 1942 and 1946 ● ● ● ● ●
 - Solid Edge 2021 ● ● ● ● ●
 - SolidWorks 2021 ● ● ● ● ●
- Fixes:**
- Unattended installation: Desktop icons were not created in some cases #6511 ● ● ● ● ●
 - Minimal bounding box: Wrong orientation #6504 ● ● ● ● ●
 - SolidWorks: EPM vault storage files can't be opened #6481 ● ● ● ● ●

Version:	2020.1.395	Recommended Version				
Release date:	2020-11-20	Desktop	WebViewer	VisShare	VR-Editon	Automation Server

- New:**
- **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.20 or higher

●	●	●	●	●
---	---	---	---	---

 - Network licensing (Floating): License borrowing for offline use #6405

●				
---	--	--	--	--

Version:	2020.1.385	Recommended Version				
Release date:	2020-10-20	Desktop	WebViewer	VisShare	VR-Editon	Automation Server

- New:**
- **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.20 or higher

●	●	●	●	●
---	---	---	---	---

 - Minimum system requirements changed

●				●
---	--	--	--	---

 - **NEW SETUP WIZARD:**
 - Includes all KISTERS 3DViewStation products
 - Revised comfortable user guidance
 - Optimised software distribution for desktop products

●	●	●	●	●
---	---	---	---	---

 - **HELPCENTER:** Online knowledge base for end users and administrators. Offline fallback included.

●	●		●	●
---	---	--	---	---

 - Import 3D
 - ACIS 2020
 - CATIA V5-2020

●	●	●	●	●
---	---	---	---	---

Version:	2020.1.385	Recommended Version				
Release date:	2020-10-20	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- Creo 7.0
- JT 10.3
- Inventor 2021
- NX 1926
- Export 3D
 - JT 8.1, 9.5 & 10.0 selectable by dropdown menu
- Import 2D
 - CATIA V6 / 3DEXperience R2020x
 - ProE / Creo Parametric 7.0
 - NX: 1911, 1915, 1919, 1926, 1930, 1934
- VSXML: Performance improvements #5388
- MicroStation .DGN format support discontinued
- **DISTANCE AND BAND ANALYSIS TOOL**
- **MEASUREMENT OF THE TOTAL / CUMULATED LENGTH** for tool path (laser, CNC, welding)
- **MEASUREMENT - ANGLE:** Line to line (projected)
- **MEASUREMENT - SOLID TO SOLID:** Performance improved
- **EXPLODE:**
 - On selections
 - Restriction to certain directions
- All created views can be automatically generated into single PNGs or as multi-page PDF including physical properties
- KAS method: export views
- Catia: Setting to import only captures (without views) #5700
- Setting to hide the rotation mouse pointer
- 2D: Calibration added #5692
- Save as 3DVS-format

Version:	2020.1.385	Recommended Version				
Release date:	2020-10-20	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- **FONT SUBSTITUTION:**
 - Button in settings pane to open the FontSubstitution.csv ●
 - The font substitution suggestion is inserted as a comment
 - Default substitution font changed from Arial to MyriadCAD for better support of special characters and symbols ● ● ● ● ●
 - API: IFC Get/SetBCFVisualizationInfo with unit (default: meter) #6033 ● ● ● ● ●
 - PMI: Possibility to edit all text fields ● ●
 - Color adjustment is possible directly by entering hexadecimal or RGB values ● ● ●
 - Optimized **OUTPUT** window: ●
 - The output window is now managed per scene
 - The new tab "General" contains feedback on network licensing
 - New Setting: Enhanced loading statistics (progress tab)
 - Setting to change the log level ● ●
 - JT: Import setting for (quality) level of tessellation ● ● ●
 - 2D: Enhanced zoom level ● ● ●
 - PDF: Support of embedded JT files ●
-
- **Fixes:**
 - Physical Properties: Wrong volume calculation in native CAD models #6276 ● ● ● ●
 - PLMXML / VSXML: Import progress status information #5767 ●
 - SolidWorks SpeedPak: Assembly couldn't be imported #4950 ● ● ● ● ●
 - SolidWorks: Improved loading performance #6261 ● ● ● ● ●

Version:	2020.1.385	Recommended Version				
Release date:	2020-10-20					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- SolidWorks: Assembly didn't load with 'Prefer BREP' ● ● ● ● ●
- Structure tree: Vertical scrollbar disappeared after Drag and Drop #5603 ● ● ● ● ●

Version:	2020.1.328					
Release date:	2020-09-11					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- New:**
- **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.20 or higher. ● ● ● ● ●
 - Minimum system requirements changed. ● ● ● ● ●
 - **NEW SETUP WIZARD:**
 - Includes all KISTERS 3DViewStation products. ● ● ● ● ●
 - Revised comfortable user guidance. ● ● ● ● ●
 - Optimised software distribution for desktop products. ● ● ● ● ●
 - **HELPCENTER:** Online knowledge base for end users and administrators. Offline fallback included. ● ● ● ● ●

- Fixes:**
- VSXML: Stability improvements #6183 ● ● ● ● ●
 - **EXTRACT FACES:** Stability improvements #6218 ● ● ● ● ●
 - View transition mismatch and initial view issues fixed ● ● ● ● ●

Version:	2020.1.328					
Release date:	2020-09-11					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- Missing images after importing views

●	●	●	●	●
---	---	---	---	---
- View transition ghost state issues fixed

●	●	●		
---	---	---	--	--
- API: UpdateScene error handling optimized

●	●	●		
---	---	---	--	--
- API: Views play animated transition handling available

●	●	●		
---	---	---	--	--

Version:	2020.1.298					
Release date:	2020-08-26					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- New:**
- **IMPORTANT:**

●	●	●	●	●
---	---	---	---	---
 - Network licensing (Floating) requires license server version 4.9.20 or higher.

--	--	--	--	--
 - Minimum system requirements changed.

●				●
---	--	--	--	---
 - **NEW SETUP WIZARD:**

●	●	●	●	●
---	---	---	---	---

 - Includes all KISTERS 3DViewStation products.
 - Revised comfortable user guidance.
 - Optimized software distribution for desktop products.
 - **HELPCENTER:** Online knowledge base for end users and administrators. Offline fallback included.

●	●		●	●
---	---	--	---	---

Version: 2020.1.298

Release date: 2020-08-26

	Desktop	WebViewer	VisShare	VR-Editon	Automation Server
--	---------	-----------	----------	-----------	-------------------

- o Import 3D
 - o ACIS 2020
 - o CATIA V5-2020
 - o Creo 7.0
 - o JT 10.3
 - o Inventor 2021
 - o Import 2D
 - o CATIA V6 / 3DExperience R2020x
 - o ProE / Creo Parametric 7.0
 - o NX: 1911, 1915, 1919
 - o VSXML: Performance improvements #5388.
 - o MicroStation .DGN format support discontinued.
 - o **BAND ANALYSIS**
 - o **MEASUREMENT - ANGLE:** Line to line (projected).
 - o **MEASUREMENT - SOLID TO SOLID:** Performance improved.
 - o **EXPLODE:**
 - o On selections
 - o Restriction to certain directions
 - o **VIEWS** can be conveniently exported as PNGs or, including the physical properties, as PDF.
 - o Catia: Setting to import only the captures (without views) #5700.
 - o Setting to hide the rotation mouse pointer.
 - o 2D: Calibration added #5692.
 - o Save as 3DVS-format.
 - o **FONT SUBSTITUTION:**
 - o Button in settings pane to open the FontSubstitution.csv.
 - o The font substitution suggestion is inserted as a comment.

Version:	2020.1.298					
Release date:	2020-08-26					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server

- Default substitution font changed from Arial to MyriadCAD for better support of special characters and symbols. ● ● ● ● ●
- API: IFC Get/SetBCFVisualizationInfo with unit (default: meter) #6033. ● ● ● ● ●
- API: New focus method - variable transition to show the area of selected objects. ● ● ● ● ●
- PMI: Possibility to edit all text fields. ● ● ● ● ●
- Color adjustment is possible directly by entering hexadecimal or RGB values. ● ● ● ● ●
- Optimized **OUTPUT** window: ●
 - The output window is now managed per scene.
 - The new tab "General" contains feedback on network licensing.
 - New Setting: Enhanced loading statistics (progress tab).
- Setting to change the log level. ● ● ● ● ●

Fixes:

- **EXTRACT SURFACES:** Failed in rare cases #5861, #5647. ● ● ● ● ●
- **GHOST TRANSPARENCY** wasn't applied immediately #6050. ● ● ● ● ●
- **NEIGHBORHOOD SEARCH:** Stability improvements #6012. ● ● ● ● ●
- **WALLTHICKNESS HEATMAP:** Wrong results with ray method in rare cases #5678. ● ● ● ● ●
- **CIRCLE DETECTION:** Failed in rare cases #5815. ● ● ● ● ●
- 3DVS: Problem when loading very large models in the Webviewer. ● ● ● ● ●
- Creo: Section over more than one structure level #756. ● ● ● ● ●
- 2D Drawings: Markups were displayed on all pages #4880. ● ● ● ● ●

Version:	2020.1.298					
Release date:	2020-08-26					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server

- 2D DXF: Missing lines in rare situations #5528 #5645 #5909. ● ● ● ● ●
- 2D DXF: Wrong scaling in rare cases #5537. ● ● ● ● ●
- FBX export: Surfaces sometimes had wrong colors #4537. ● ● ● ● ●
- IFC: Lines caused an empty scene in rare cases #5901. ● ● ● ● ●
- JT: Convert from 3DVS not possible in rare cases #5176. ● ● ● ● ●
- NX: Missing attributes in 'No category' #3728. ● ● ● ● ●
- STEP: Attributes with \$ characters weren't shown correctly #5627. ● ● ● ● ●
- STEP: PMIs were transparent #5006. ● ● ● ● ●
- SVG export: Node color was ignored when a vertex color was set #5777. ● ● ● ● ●
- VDA: Stability improvements #5488. ● ● ● ● ●
- API: BCF default visibility fixed #6086. ● ● ● ● ●
- API: UpdateScene / SetSelectedNodes by CustomId #5963. ● ● ● ● ●
- API: Ghost / Constraints GhostLocked - Initial view, wrong state of ghosted nodes #5963. ● ● ● ● ●

Version:	2020.0.40	Recommended Version
-----------------	-----------	----------------------------

Release date: 2020-05-12

Fixes:

- **DESIGNS:** Missing menu elements #5608
- **PROJECTED AREA:** Unit correction if scene unit is not mm #5763
- **POINT COORDINATE MEASUREMENT:** Consideration of the active coordinate system #5749
- Stability improvements #5804 #5794 #5829

Version:	2020.0.29	Recommended Version
-----------------	-----------	----------------------------

Release date: 2020-04-15

Fixes:

- **NEIGHBORHOOD SEARCH:** Crash when changing input without selection #5741
- Opening files with double click #5742

Version:	2020.0.22	Recommended Version
-----------------	-----------	----------------------------

Release date: 2020-04-09

New:

- Import 3D
 - NX 1899
 - Revit 2020
 - Parasolid v32.0
- Import 2D
 - CATIA: V5-6R2020 (R30)
 - NX: NX 1899, NX 1903, NX 1904, NX 1907
- Update 3DVS format to version 16 (incompatible to 3DViewStation 2019.1 and older)
- **SAVE AS** contains all 3D & 2D export formats. Additional screenshot export option in menu **TOOLS**
- Font recognition and replacement for 2D drawings (2D advanced licensed)
- Renaming of **FILTER** to **SEARCH** in menu **TOOLS**
 - Added case sensitivity option #3996
 - Search for content in PMIs, markups and text
- Clash detection:
 - Intersection volume
 - Intersection curves
 - Penetration depth
 - Performance improvement
- **NEIGHBORHOOD SEARCH:**
 - Linear distance
 - Box trap
- Status bar with additional information
- **MERGE OBJECTS** in menu **MODEL**
- New UI designs (accessible via settings)
- New UI layouts (accessible via settings)
- Update of Microsoft Redistributables
- DropConvert support discontinued
- HiCAD importer support discontinued
- Windows 32-bit support discontinued

Enhancements:

- 2D: Create document background setting #2996
- Color palette can be customized via `Presets.xml` #5598
- API: Import/Export of BCF Collaboration View #4877
- API: Define initial view from current state #5458

Version: 2020.0.22

Recommended Version

- API: SearchNodes with CustomID #5629

Fixes:

- Gerber: Models were opened as text files #5665
- PLMXML: Empty files when exporting to 3D format #5698
- STEP AP242: Tessellation export issue #4775
- API: Callout projection event issues #5651
- Copy and paste problems of nodes #5543 #5575
- Improved alignment for newly created coordinate systems (normal and circle center) #5455
- Incorrect positioning of instanced parts #5569 #5656
- Lines and markups disappeared when importing another model in a scene #4941
- Lines are not displayed correctly #5486
- Opening of files with double click #5606
- Irregular problems when opening models with many instances #5638
- **IP PROTECTION - DELETE INVISIBLE:** Issue when computed on faces #5581
- Wrong camera position when a view with active flight mode is activated #5414

Version: 2019.1.132

Release date: 2020-02-17

Enhancements:

- Start up speed of 3DViewStation increased

Fixes:

- Hotfix for 2019.1.126: Windows 7 support
- Bounding Box Extents #4010
- Added setting for volume unit #5385

Version: 2019.1.126

Release date: 2020-02-11

New:

- Update 3DVS format to version 15 (incompatible to 2019.0 and older)
- New Redistributables 2019 added to the setup. Installation is required.
- NX 1872
- NX Drawings 1892
- Solid Edge 2020
- Solid Edge Drawings 2020
- SolidWorks Drawings 2020
- Font recognition and multiple font substitution for drawings #4752
- Colors for e57 point clouds
- API: 2D callout projection

Enhancements:

Version: 2019.1.126

- Added hierarchically merge mode in ribbon Model
- Import setting ignore views by name now considers wildcard (*)
- Added support for more CATIA attributes types #5312
- Added version number to title bar
- Improve e57 point cloud import #5275
- Support of additional fonts in drawings #2804 #5024
- STEP AP242: Export of markups #5014
- Filter renamed to Search (ribbon Tools)
- Added Search option: Case sensitive #3996
- Added Search option to find content of markups/PMIs
- New options for wire coloring of solids #3371

Fixes:

- Improved display of Solid Edge drawings #2408
- Convert specific CATPart to Parasolid #2669 #4746
- Wrong PDF extents #4403
- 3DXML with many structure levels causes slow import #4435
- STEP AP242 export with tessellation only #4775
- Changing boundary conditions while a transformation tool is active #5078
- 3D-PDF: Export markups #5154
- SVG exports only visible #5177
- API: File open crash #5268
- User folder in hidden network share is supported #5270
- Render materials #5314
- Incorrect placement of dimensions with activated coordinate system #5319
- VSXML: Correct display of markups and callouts #5340
- Save correct scaling of merged objects #5374
- Camera alignment in Flythrough mode #5414
- 3DVS: Load model as saved #5422
- KAS: Conversion fails #5475

Version: 2019.1.53

Release date: 2019-12-19

Enhancements:

- Added new search options to the neighborhood search:
 - Box
 - Linear distance

Fixes:

- Export only visible geometries for vector graphics #5177
- Problems with opening CATIA data fixed #5206
- Instancing of geometries caused issues #5133

Version: 2019.0.721

Recommended Version

Release date: 2020-02-17

Fixes:

Version:	2019.0.721	Recommended Version
-----------------	------------	----------------------------

- Hotfix for 2019.0.720: Windows 7 support

Version:	2019.0.720	Recommended Version
-----------------	------------	----------------------------

Release date: 2020-02-11

New:

- New Redistributables 2019 added to the setup. Installation is required.
- NX 1872
- NX Drawings 1892
- Solid Edge 2020
- Solid Edge Drawings 2020
- SolidWorks Drawings 2020

Fixes:

- Improved display of Solid Edge Drawings #2408
- Convert specific CATPart to Parasolid #2669 #4746
- 3DXML: Many structure levels causes slow import #4435
- STEP AP242 export with tessellation only #4775
- SVG exports only visible #5177
- API: File open crash #5268
- User folder in hidden network share is supported #5270
- Incorrect placement of dimensions with activated coordinate system #5319

Version:	2019.0.715	Recommended Version
-----------------	------------	----------------------------

Release date: 2019-11-25

Fixes:

- Instancing of geometries caused issues #5133, #5121
- CATDrawing: Line breaks are ignored #4925

Version:	2019.0.677	Recommended Version
-----------------	------------	----------------------------

Release date: 2019-10-16

New:

- UI change: Add 2D and 3D export buttons (screenshots and exchange formats).
- Setting for default 3D export format (instead of last used)
- CATDrawing: R29 (V5-6R2019)
- Creo Drawing: 6.0
- NX Drawing: NX 1872 Series until 1884
- SolidEdge Drawings 2019
- Solidworks Drawings 2019

Version:	2019.0.677
-----------------	------------

Recommended Version

Enhancements:

- Automatic backup of settings before manual reset to defaults

Fixes:

- 3D PDF: Problem with template "Toplevel" #3168
- CATDrawing: Missing text #3837
- CATDrawing: Line width correctly rendered #2460
- CATDrawing: Loading problem #3764
- CATDrawing: Missing line breaks #4925
- IFC: Import with instancing #5043
- SolidWorks & SolidEdge Drawings: Loading problem #4077
- STEP: Wrong transformation #4774
- Section: Rendering problems #4947 #4168
- JT: PMI visibility in views #5013

Version:	2019.0.609
-----------------	------------

Recommended Version

Release date:	2019-08-27
----------------------	------------

New:

- Export progressbar
- CATIA V5-6 R2019 (R29)

Enhancements:

- Ribbon layout change without restart of application
- Wallthickness heatmap: Default preset set to **ROLLING BALL BASED - DETAILED**
- 2D: Consideration of line width
- FBX: Export of colors & transparencies improved
- Minimal bounding box: quick & precise calculation
- Performance of VSXML with referenced 3DVS files improved

Fixes:

- Administrate server button #4613
- BOM: handling of attributes #4677
- BOM: Export to CSV when using Japanese & Korean language #4770
- Transformation of coordinate systems #4704
- 2D: Symbols in fonts #4494
- 2D: File handle not closed #3239
- 2D: SolidWorks & SolidEdge Drawings #4077
- 3DVS: PMIs missing #4783
- CATDrawing: Viewing problem #3764
- Standby mode of graphic card #4756

Version:	2019.0.529
-----------------	------------

Release date:	2019-07-12
----------------------	------------

Version: 2019.0.529

New:

- New option for axis aligned camera control
- CREO 6
- Inventor 2020
- NX (v1847)
- Parasolid v31.1

Enhancements:

- TechDoc: Ribbon menu improved
- TechDoc: Automatic association of renamed callout IDs
- Changing the interface design via the settings menu
- Inventor: Support of representations

Fixes:

- CREO: Import not possible #4622
- DWG: Import not possible #3640
- GTL: Imported as text file #4576
- Inventor: False transformation #2270 + #3105
- JT 10.3: Import not possible #4602
- JT: Missing PMI text #4124
- JT: With materials leads to false transparency #4344
- NX: Incorrect display of surfaces #3217
- NX: Missing faces in exact compare #3860
- STEP: Bad representation of letters #3879
- BOM based on selection #4358
- CATDrawing: Loading from folders with umlauts #4293
- Text search with Japanese characters #4324
- Licensing: lock-file problem with network licenses #2965
- Minimal bounding box with activated coordinate system #4260

Version: 2019.0.420

Release date: 2019-04-25

New:

- TechDoc: Text markup with fixed position in viewport

Fixes:

- NX files could not be opened #3441 #4189 #3516
- GLTF: Transparency wrong #3700
- STEP could not be opened #3885
- SolidEdge: Wrong attributes #1993
- GLB: Could not be opened #3886
- KAS license error #2826
- No surface area could be calculated from projected areas #3613
- Incorrect selection of points #3931
- Font substitution does not work #4256
- SWX: Import very slow with prefer tessellation #4257
- 3DVS from 2019.0 crashes 2018.0 #4262
- CREO: Tessellation error open shells #4277

Version: 2019.0.420

- Attributes are not read in correctly #1993
- White background in drawing ensures that font is not visible #2811

Version: 2019.0.383

Release date: 2019-04-09

Enhancements:

- PLMXML-Setting:
- interpret all transformations as global transformations

Fixes:

- Pickray causes crash #3844
- SolidWorks: Transformations wrong #4166
- Custom presets.xml suppresses the import dialog #4237
- STPX: Transformations wrong #3791

Version: 2019.0.340

Release date: 2019-03-21

New:

- Kisters Automation Server (KAS) can convert to 2D vector files #3699
- ActiveX:
 - Added: HasCustomRibbonButton
 - Added: RemoveCustomRibbonButton

Enhancements:

- Added settings to influence CATIA Show/NoShow behavior #3499
- Replace Java license monitor tool for floating licenses with a .NET application

Fixes:

- Issue with SingleInstance and file import into open scene #4205
- Density presets are not displayed #4025
- KAS: Convert drawing to 3DVS/PDF was not possible #3471
- Updater reports "No updates" if connection to update server not possible #3538
- SolidWorks: Assembly could not be loaded #3950

Version: 2019.0.232

Release date: 2019-01-31

New:

- Transform: Move from circle center to circle center

Version: 2019.0.232

- Importable format: e57
- Selection mode: Instance
- STEP: Import-Setting to select NAUO #2487
- Change colors of coordinate system #3933
- Turntable camera control
- Technical documentation (TECHDOC license option required)
- Split solids (ADVANCED_ANALYSIS license option required)
- Remove/Generate normals
- Change PMIs on import with width-/height factor
- Tutorial update

Enhancements:

- Filter: Setting to include/exclude hidden objects
- Filter: Search of hexadecimal and RGB colors #3777
- Export PNG with transparent background
- Configurable date for PDF templates #3619
- License borrowing dialogue: Features can be borrowed individually
- Improved 2D text search
- Improved representation of floating point values in attributes #3849
- Improved representation of PMIs #3940

Fixes:

- Improved printing on very large paper sizes #3715
- Solved problem with line breaks in about dialog #3712
- VSXML Import: Colors are inherited correctly #3744
- Solved issue with PLMXML import #3353
- Error messages from updater improved #3583
- Exact compare: colors swapped #3748
- Exact comparison of selections #3934
- 3DVS: Improved accuracy of transformations #3966
- Removing temporary files #3694
- False visibility after use of UNDO #3701
- Change colors of edges #3371
- ActiveX: Fix issue with OnMouseEnter event #3836

Version: 2018.0.365

Recommended Version

Release date: 2019-05-20

- Font replacement #4256
- NX files could not be opened #3441 #4189
- SolidEdge: Wrong attributes #1993
- STEP could not be opened #3885

Version: 2018.0.360

Recommended Version

Release date: 2019-02-08

New:

- Importer update:

Version:	2018.0.360	Recommended Version
-----------------	------------	----------------------------

- JT Import 10.2
- Parasolid V31
- Solid Edge 2019
- SolidWorks 2019
- 3D-PDF-Export: Templates with customizable date format #3619

Fixes:

- SVG/DXF export of cut geometry fixed #3987
- NX drawing issues #2702, #3222
- CATDrawing tables presentation #3469
- Colors corrected in exact comparison #3748
- Increased accuracy of transformations #3966
- Improved undo #3701
- Reload nodes #3765
- Export hull geometry / wire recognition #3972

Version:	2018.0.350	Recommended Version
-----------------	------------	----------------------------

Release date: 2018-12-06

New:

- New method for ActiveX-Contol: SetKeepAlive
- Can be used to prevent closing of the 3DViewStation instance e.g. when Terminate() is called.

Enhancements:

- Improved Japanese UI translations
- Update of German and English tutorial

Fixes:

- Crash when printing on very large paper sizes #3715
- Issues with the display of Inventor assemblies solved #3262

Version:	2018.0.342	Recommended Version
-----------------	------------	----------------------------

Release date: 2018-11-13

New:

- Type floating license only: Update of LicServerClient-Java-Tool for floating server administration/usage statistics
-> current version of floating server software recommended

Enhancements:

- Improved Japanese UI translations
- Update of German tutorial

Fixes:

Version:	2018.0.342	Recommended Version
-----------------	------------	----------------------------

- Automatic recognition of markup fonts
- Uninstaller removes all installation files
- Type activation license only: Installation of needed Microsoft redistributables

Version:	2018.0.333	Recommended Version
-----------------	------------	----------------------------

Release date: 2018-10-11

New:

- Import dialog / Import presets
- Recognition of drill holes
- Optimize instances - results in file size reduction
- Save views separate from geometries
- Load views independent from i.e. revised geometries
- Remove edges of geometries, i.e. due to bad quality
- Re-calculate edges of geometries, i.e. to allow measurements
- Calculation of neutral axis of piping objects
- Scale geometry
- Measure face without need to extract face first
- Real time wall thickness measurement
- Skybox creator
- Wall thickness analysis color gradated, i.e. multi selection
- Mirroring of geometries with more options

Enhancements:

- Improved UI translations
- Direct page access for multi-page 2D documents

Fixes:

- Visualization of background images #3595

Version:	2018.0.319
-----------------	------------

Release date: 2018-09-18

New:

- Context menu for each scene tab

Enhancements:

- Print dialog is resizable #3363
- Fullscreen can be exited via Escape (and F11)

Fixes:

- Solved problem when importing STEP data #3260
- Import dialog: focus issue #3457
- Solved problems with PDF Templates #3424 #3464

Version: 2018.0.319

- ActiveX: AddContextMenuItems treats passed IDs wrong #3455
- Solved problem with display of diameter symbol #3472
- Solved problem with an old 3DVS file #3534
- Problem with Parasolid NodeNameTemplates solved #3536

Version: 2018.0.310

Release date: 2018-08-17

New:

- Import dialog: choose between different setting presets, thus leading to different load time and quality
- Inventor 2019 file format support

Enhancements:

- Neutral axis can now also be applied to tessellation and BREP data
- Drill hole improvements
- 2D root nodes now contain the name of the opened 2D file #3385
- Wallthickness Heatmap unit is available #1950
- New export setting to replace original file extension #3300

Fixes:

- 3DPDF: opening the 3D scene on Windows 7 systems #3144
- 3DPDF: containing U3D #3435
- OpenFile via renderer extension #3338
- PLMXML: Colors are displayed incorrectly #3319
- Bounding box world markup positioning issue #3296
- VSXML pathes with umlauts #3332
- DWG file is displayed as a white sheet #3410
- Splashscreen fix #3330
- Compare of multipage documents #3415

Version: 2018.0.212

Release date: 2018-07-18

New:

- Remove empty nodes
- Print dialog: Print range
- Autorotate document
- Tiled printing
- Convert dialog: IFC and FBX added
- Measurement of circle area
- CMD implementation for the quick and exact compare

Enhancements:

Version: 2018.0.212

- Setup: Teamviewer is now an optional parameter during silent installation (see corresponding documentation)
- Support for tessellated PMI STEP AP242
- Selection frame now also works for:
 - Wires
 - Curves
 - Points
 - Annotations
- Improve ActiveX control

Version: 2018.0.95

Release date: 2018-06-07

New:

- JavaScript support for 3D-PDF export (see corresponding documentation)

Export 3D:

- IFC

Fixes:

- ActiveX connection problem

Version: 2018.0.77

Release date: 2018-05-30

Enhancements:

- Menu icon for Readme and File Format List in the help category
- Menu icon for SkyBoxCreator in the tools area with which skyboxes can be generated

Fixes:

- CatiaV5 Import Problems #2718

Version: 2018.0.57

Release date: 2018-05-17

New:

- Import 2D Advanced
 - Catia V6 / 3DExperience R2017

Version: 2018.0.57

- Support for NX Expression
- Measuring function: Dimension surfaces
- Optional monochrome import for 2D advanced formats
- Mirror geometry over world coordinate system and active coordinate system
- Import and export views via XML file

Enhancements:

- Improved computation speed of world bounding box
- Enhanced line generation

Fixes:

- RGB colors could not be changed #2884
- PDF export generates darker preview images than previous versions #3078