



AUTODESK.

Navisworks® 2017

Supported File Formats

Autodesk Navisworks 2017 Solutions

This document details support provided by the current release of Autodesk Navisworks 2017 solutions (including Autodesk Navisworks Simulate and Autodesk Navisworks Manage) for:

- CAD file formats.
- Laser scan formats.
- CAD applications.
- Scheduling software.

NOTE: When referring to Navisworks or Autodesk Navisworks 2017 solutions in this document this does NOT include Autodesk Navisworks Freedom 2017, which only reads NWD or DWF files.

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Autodesk Navisworks 2017 Solutions

Supported CAD File Formats

Navisworks has its own native file formats (.nwd, .nwf, .nwc); however Autodesk Navisworks solutions can additionally read a combination of many popular 3D CAD formats. The following table lists the CAD file formats currently supported by Autodesk Navisworks 2017 solutions.

Note: Unless stated below backward compatibility for previous versions cannot always be guaranteed.

Format	Extension	File Format Version
Navisworks	.nwd .nwf .nwc	All versions
AutoCAD	.dwg, .dxf	Up to AutoCAD 2017
MicroStation (SE, J, V8 & XM)	.dgn .prp .prw	v7, v8
3D Studio	.3ds .prj	Up to Autodesk 3ds Max 2017
ACIS SAT	.sat .sab	All ASM SAT. Up to ACIS SAT v7
Catia	.model .session .exp .dlv3 .CATPart .CATProduct .cgr	V4, v5
CIS/2	.stp	STRUCTURAL_FRAME_SCHEMA
DWF/DWFX	.dwf .dwfx	All previous versions
FBX	.fbx	FBX SDK 2017.0
IFC	.ifc	IFC2X_PLATFORM, IFC2X_FINAL, IFC2X2_FINAL, IFC2X3, IFC4
IGES	.igs .iges	All versions

Autodesk Navisworks 2017 Solutions

Format	Extension	File Format Version
Inventor	.ipt .iam .ipj	Up to Inventor 2017
Informatix MicroGDS	.man .cv7	v10
JT Open	.jt	Up to 10.0
NX	.prt	Up to 9.0
PDS Design Review	.dri	Legacy file format. Support up to 2007.
Parasolids	.x_b	Up to schema 26
Pro/ENGINEER	.prt .asm .g .neu	Wildfire 5.0, Creo Parametric 1.0-3.0
RVM	.rvm	Up to 12.0 SP5
Revit	.rvt	Up to 2017
SketchUp	.skp	v5 up to 2016
Solidworks	.prt .sldprt .asm .sldasm	2001 Plus-2015
STEP	.stp .step	AP214, AP203E3, AP242
STL	.stl	Binary only
VRML	.wrl .wrz	VRML1, VRML2
PDF	.pdf	All versions

Rhino	.3dm	Up to 5.0
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Autodesk Navisworks 2017 Solutions

Supported Exporters

The following table is a summary of 32 bit / 64 bit support for the Exporters included in Autodesk Navisworks 2017.

Product \ Exporter	32 bit Support	64 bit Support
Autodesk AutoCAD 2017	No	Yes
Autodesk 3ds Max 2017	No	Yes
Autodesk 3ds Max Design 2010 – 2015		
Autodesk Revit / Architecture / Structure / MEP 2017	No	Yes
Microstation J	Yes	
Microstation 8	Yes	
Microstion 8.9	Yes	
Microstion V8i	Yes	
ArchiCAD 15		
ArchiCAD 16	Yes	Yes
ArchiCAD 17		Yes
ArchiCAD 18		Yes
ArchiCAD 19		Yes

Autodesk Navisworks 2017 Solutions

Supported Laser Scan Formats

The following table lists the laser scan formats currently supported by Autodesk Navisworks 2017 solutions.

Format	Extension	File Format Version
Autodesk ReCap	*.rcs *.rcp	
ASCII Laser File	.asc .txt	n/a
Faro	.fls .fws .iQscan .iQmod .iQwsp	FARO SDK 5.5
Leica	.pts .ptx	n/a
Riegl	.3dd	Version 3.5 or high
Trimble	Native file NOT supported. Convert to ASCII laser file	Same as ASCII laser file
Z+F	.zfc .zfs	SDK version 2.2.1.0

Autodesk Navisworks 2017 Solutions

Supported Scheduling Software

The following table contains a list of the project scheduling software and formats supported by Autodesk Navisworks Simulate 2017 and Autodesk Navisworks Manage 2017.

Vendor	Product	File Format	Notes
Asta	Powerproject 11 (11.x) 12 (12.0.03-042)	.pp	Requires Asta Powerproject to be installed on same machine, to make link.
Microsoft	Project 2007 (SP1) to 2013	.mpp	Requires Microsoft Project to be installed on same machine, to make link.
Oracle	Oracle Primavera Engineering and Construction 6.2.1 (SP4 Hot Fix 1) 7.0 (SP4) 8.2	n/a	Requires Primavera v6 , 7 or 8 Engineering and Construction to be installed locally or remotely, along with the corresponding version of the Primavera SDK. TimeLiner connects to the Primavera database via an ODBC data source link.
Oracle	Primavera P6 Web Services 6.2.1 (SP1 Hot Fix 1) 7.0 (SP1 Hot Fix 1) 8.2 8.3	n/a	Requires Primavera P6 v6, 7 or 8 Web Services installed within a suitable Web Application Server such as Oracle Web Logic or JBoss on the same machine as your P6 database.
Microsoft	Microsoft Project Exchange Format	.mpx	Does not require any project software to be installed. This is the common project exchange format which can be exported to from a number of scheduling packages.
N/A	CSV Exchange Format	.csv	Does not require any project software to be installed. This is a common exchange format which can be exported from a number of applications including, Microsoft Excel. Navisworks Simulate and Manage can additionally export TimeLiner task information to this format.

Autodesk Navisworks 2017 Solutions

Supported Applications

The following table is a non-exhaustive list of CAD applications and properties currently supported by Autodesk Navisworks 2017 solutions, along with any additional information that may be necessary to review your project files in Navisworks software.

	Exporter	Native Format	Other Format	Properties
Autodesk AutoCAD 2017	✓	✓	✓	✓

[AutoCAD Details](#)

Other Formats	DWF, DWFx, DXF, 3DS, FBX
---------------	--------------------------

- Navisworks reads the native AutoCAD .dwg file format.
- Navisworks supports AutoCAD Point Cloud.
- Models can be exported from AutoCAD software as .nwc format. Export to .nwc file format is only supported from AutoCAD 2011 onwards.
- Object properties, (such as Material Colors and Entity Handles) are also supported by Navisworks and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

AutoCAD Architecture 2017	✓	✓	✓	✓
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[AutoCAD Architecture Details](#)

Other Formats	DWF, DWFx, DXF, 3DS, FBX
---------------	--------------------------

- Navisworks can read AutoCAD Architecture .dwg files, without the necessity to install an Object Enabler.
- Models can be exported from ADT/AutoCAD Architecture software as either .nwc or .nwd format. Export to .nwc file format is only support from AutoCAD Architecture 2011 onwards.
- Navisworks supports AutoCAD Architecture object properties and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties. Automatic Properties are also supported for AutoCAD Architecture.
- Autodesk Navisworks Simulate and Autodesk Navisworks Manage software support ADT/AutoCAD Architecture textures.

Autodesk Navisworks 2017 Solutions

	Exporter	Native Format	Other Format	Properties
AutoCAD MEP 2017	✓	✓	✓	✓
AutoCAD MEP Details				
Other Formats	DWF, DWFx, DXF, 3DS, FBX			
<ul style="list-style-type: none"> • Navisworks can read AutoCAD MEP.dwg files, without the necessity to install an Object Enabler. • Models can be exported from Building Systems/AutoCAD MEP software as .nwc d format. Export to .nwc file format is only support from AutoCAD MEP 2011 onwards. • Navisworks supports Building Systems/AutoCAD MEP object properties and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab> Workspace panel > Windows drop-down > Properties. • Autodesk Navisworks Simulate and Autodesk Navisworks Manage software support Building Systems/AutoCAD MEP textures. 				
Autodesk Plant 3D 2017	✓	✓	✓	✓
Autodesk Plant 3D Details				
Other Formats	DWF, DWFx, DXF, 3DS			
<ul style="list-style-type: none"> • Models can be exported from Plant 3D software as .nwc format. Export to .nwc file format is only support from Autodesk Plant 3D 2011 onwards. • In order to read an Autodesk Plant 3D.dwg file into Navisworks, you will need to install the corresponding Object Enabler. 				
AutoCAD Civil 3D 2017	✓	✓	✓	✓
Civil 3D Details				
Other Formats	DWF, DWFx, DXF, 3DS, FBX			
<ul style="list-style-type: none"> • Navisworks supports AutoCAD Point Cloud. • The Civil 3D native .dwg file can be read directly into Navisworks; however you will need to install the corresponding Civil 3D Object Enabler (available to download from the Autodesk website). • Models can be exported from Civil 3D software as .nwc format. Export to .nwc file format is only support from AutoCAD Civil 3D 2011 onwards. • For Civil 3D 2017 object properties (such as Material Colors and Entity Handles) are also supported by Navisworks and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab> Workspace panel > Windows drop-down > Properties. 				

Autodesk Navisworks 2017 Solutions

	Exporter	Native Format	Other Format	Properties
Autodesk CAD-Duct	✓	✓	✓	✓

[CAD-Duct Details](#)

Other Formats	DWG, DXF, 3DS
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- In order to read a CAD-Duct file into Navisworks, you either need CAD-Duct installed on the same machine as Navisworks, or have the CAD-Duct Object Enabler installed. The CAD-Duct Object Enabler can be downloaded from the CAD-Duct website, found under Support > Additional Files.
- If CAD-Duct is installed, the Object Enabler is not necessary. Simply export to .nwc.
- In Navisworks, object properties can be viewed in the 'CAD-Duct' tab in the 'Properties window'. To open the Properties window, go to View > Control Bars > Properties.

Autodesk Inventor 5 to 11, 2009-2017

✓ ✓

[Inventor Details](#)

Other Formats	IGES, STEP, JT, FBX
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- Navisworks supports Inventor properties and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.
- If you are using an Inventor Project file, (*.ipj) you will need to set this as the Active Project in Navisworks, prior to opening your assembly drawings (*.iam). You can set the Active Project either by opening your *.ipj file in Navisworks, or by going to Application Menu > Global Options > File Readers > Inventor, then enter the full path and file name of your *.ipj file (e.g. C:\my Inventor projects\project 1.ipj). Once loaded, you can then Open the corresponding assemblies as usual.

Autodesk Navisworks 2017 Solutions

	Exporter	Native Format	Other Format	Properties
<p>•</p> <p>Revit 2017</p> <p>Revit Details</p>	✓	✓	✓	✓
<p>Other Formats DWG, DWF, DWFx, DXF, DGN, FBX</p>				

- Navisworks can read Revit.rvt files
- Navisworks can export .nwc files directly from Revit software. You will need to install Navisworks on the same machine as Revit.
- Revit properties are supported. These can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.
- Autodesk Navisworks Simulate and Autodesk Navisworks Manage software support the export of textures and materials from Revit.
- For supported entities refer to the Navisworks Help documentation.

<p>Revit Architecture 2017</p> <p>Revit Architecture Details</p>	✓	✓	✓	✓
<p>Other Formats DWG, DWF, DWFx, DXF, DGN, FBX</p>				

- Navisworks can read Revit.rvt files
- Navisworks can export .nwc files directly from Revit Architecture software. You will need to install Navisworks on the same machine as Revit Architecture.
- Revit properties are supported. These can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.
- Autodesk Navisworks Simulate and Autodesk Navisworks Manage software support the export of textures and materials from Revit Architecture.
- For supported entities refer to the Navisworks Help documentation.

<p>Revit Structure 2017</p> <p>Revit Structure Details</p>	✓	✓	✓	✓
<p>Other Formats DWG, DWF, DWFx, DXF, DGN, CIS/2, FBX</p>				

- Navisworks can read Revit.rvt files
- Navisworks can export .nwc files directly from Revit Structure software. You will need to install Navisworks on the same machine as Revit Structure.

Autodesk Navisworks 2017 Solutions

- Revit properties are supported. These can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

Autodesk Navisworks 2017 Solutions

	Exporter	Native Format	Other Format	Properties
Revit MEP 2010-2017	✓	✓	✓	✓
Revit MEP Details				
Other Formats	DWG, DWF, DWFx, DXF, DGN, FBX			

- Navisworks can read Revit.rvt files
- Navisworks can export .nwc files directly from Revit Systems/Revit MEP software. You will need to install Navisworks on the same machine as Revit Systems/Revit MEP.
- Revit properties are supported. These can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

Autodesk 3ds Max 2017	✓		✓	
3ds Max Details				
Other Formats	DWG, DXF, 3DS, IGES, FBX			

- To view your 3ds Max model in Navisworks, you will need to have 3ds Max software installed on the same machine and export to .nwc for use in Navisworks.
- Navisworks does not support .max files, so you cannot read the native file format directly into Navisworks.

NOTE: Navisworks Simulate and Manage both support the export of textures and materials from 3ds Max.

Autodesk Maya			✓	
Maya Details				
Other Formats	DXF, IGES, VRML			

- Navisworks has file readers for .dxf, .igs .iges and .wrl .wrz.

Autodesk Navisworks 2017 Solutions

Bentley

	Exporter	Native Format	Other Format	Properties
AutoPLANT	✓	✓	✓	✓
AutoPlant Details				
Other Formats	DWG, DXF, 3DS			

- In order to read an AutoPLANT DWG file into Navisworks, you will first need to install the AutoPLANT Object Enabler.

NOTE: When using an object enabler, choose one of the same or later version as the authoring application, and then ensure the corresponding (Navisworks) loader version (year) is selected in Tools > Global Options > File Readers > DWG/DXF > DWG Loader Version.

- You can also export to .nwc if you have Navisworks installed on the same machine as AutoPLANT.

NOTE: To ensure geometry is rendered correctly when reading a DWG file into Navisworks, or exporting from AutoPLANT, ensure the render type is set to Shaded in Tools > Global Options > File Readers > DWG/DXF > Render Type.

	Exporter	Native Format	Other Format	Properties
MicroStation J	✓	✓	✓	✓
MicroStation J Details				
Other Formats	DWG, DXF, DGN, IGES, STEP, VRML			

- Models can be exported as NWC files from MicroStation J if you have Navisworks installed on the same machine.
- Navisworks supports the native MicroStation .dgn file format, which can be read directly into Navisworks.
- Object properties, such as colors and ambient, diffuse and shininess properties of materials from .pal and .mat palette and material files are supported.
- Intergraph PDS object information can be read from .drv files and DMRS and database linkage and association ID's are also supported. These can be viewed in the Properties window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.
- Autodesk Navisworks Simulate and Autodesk Navisworks Manage support MicroStation materials and textures.

NOTE: For optimum file fidelity we recommend the NWC (or NWD) Exporter from within MicroStation whenever possible.

NOTE: For exporting numerous files from MicroStation we recommend using the Perl script installed with Navisworks (by default in, C:\Program Files\Autodesk\Navisworks [Review/Simulate/Manage] 2017\Tools).

Autodesk Navisworks 2017 Solutions

	Exporter	Native Format	Other Format	Properties
MicroStation v8 to 8.5, XM (8.9)	✓	✓	✓	✓

[MicroStation Details](#)

Other Formats	DWG, DXF, DGN, IGES, STEP, VRML
---------------	---------------------------------

- Models can be exported as NWC files from MicroStation V8 if you have Navisworks installed on the same machine.
- Navisworks supports the native MicroStation V8 dgn file format, which can be read directly into Navisworks.
- Object properties, such as colors and ambient, diffuse and shininess properties of materials from .pal and .mat palette and material files are supported.
- Autodesk Navisworks Simulate and Autodesk Navisworks Manage support MicroStation materials and textures.

NOTE: For optimum file fidelity we recommend the NWC (or NWD) Exporter from within MicroStation whenever possible.

NOTE: For exporting numerous files from MicroStation we recommend using the Perl script installed with Navisworks (by default in, C:\Program Files\Autodesk\Navisworks [Review/Simulate/Manage] 2017\Tools).

ProSteel 3D (formerly from Kiwi Software GmbH)	✓	✓	✓
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[ProSteel 3D Details](#)

Other Formats	DWG, DXF, 3DS, CIS/2
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- This information relates to ProSteel 3D / ProStahl 3D / AutoPLANT Structural.
- In order to read ProSteel files into Navisworks, you either need ProSteel 3D installed on the same machine as Navisworks, or the relevant ProSteel 3D object enabler.
- Only basic AutoCAD properties are supported (such as Entity Handle and Material) and these can be viewed in the Properties window. This can be opened by going to View tab > Workspace panel > Windows drop-down > Properties.

Autodesk Navisworks 2017 Solutions

	Exporter	Native Format	Other Format	Properties
TriForma J	✓	✓	✓	✓

[TriForma J Details](#)

Other Formats	DWG, DXF, DGN, IGES, STEP, VRML
---------------	---------------------------------

- Models can be exported as NWC files from TriForma J if you have Navisworks installed on the same machine.
- Navisworks supports the native TriForma J .dgn file format, which can be read directly into Navisworks.
- Object properties, such as colors and ambient, diffuse and shininess properties of materials from .pal and .mat palette and material files are supported.
- Family and Part information from TriForma and PDS object information can be read from .drv files and DMRS and database linkage and association ID's are also supported. These can be viewed in the Properties window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.
- Autodesk Navisworks Simulate and Autodesk Navisworks Manage support TriForma materials and textures.

NOTE: For optimum file fidelity we recommend the NWC (or NWD) Exporter from within TriForma whenever possible.

NOTE: For exporting numerous files from TriForma we recommend using the Perl script installed with Navisworks (by default in, C:\Program Files\Autodesk\Navisworks [Simulate/Manage] 2017\Tools).

Autodesk Navisworks 2017 Solutions

	Exporter	Native Format	Other Format	Properties
TriForma v8 to 8.9	✓		✓	✓
TriForma Details				
Other Formats	DWG, DXF, DGN, IGES, STEP, VRML			

- Models can be exported as NWC files from TriForma V8 if you have Navisworks installed on the same machine.
- Navisworks supports the native TriForma V8 dgn file format, which can be read directly into Navisworks.
- Object properties, such as colors and ambient, diffuse and shininess properties of materials from .pal and .mat palette and material files are supported.
- Autodesk Navisworks Simulate and Autodesk Navisworks Manage support TriForma materials and textures.

NOTE: For optimum file fidelity we recommend the NWC (or NWD) Exporter from within TriForma whenever possible.

NOTE: For exporting numerous files from TriForma we recommend using the Perl script installed with Navisworks (by default in, C:\Program Files\Autodesk\Navisworks [Simulate/Manage] 2017\Tools).

Autodesk Navisworks 2017 Solutions

Graphisoft

Exporter	Native Format	Other Format	Properties
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ArchiCAD 16 to 19



[ArchiCAD Details](#)

Other Formats	DWG, DXF, DGN, IFC
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- ArchiCAD can export to Navisworks .nwc file format. Navisworks does NOT have a direct reader for ArchiCAD files.
- ArchiCAD can also save files as .dwg, .dxf, .dgn and .ifc formats. These can be read directly by Navisworks.
- Object properties, such as GUIDS and Library Part Parameters can optionally be exported with the Navisworks file.

Constructor 2007 to 2010



[Constructor Details](#)

Other Formats	DWG, DXF, DGN
---------------	---------------

- Constructor 2007 to 2010 can export to the Navisworks .nwc file format. Navisworks does NOT have a direct reader for Constructor 2010 files.
- Object properties, such as GUIDS and Library Part Parameters can optionally be exported with the Navisworks file.

AceCad

StruCad



[StruCad Details](#)

Other Formats	DXF, CIS/2
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- StruCad files can be viewed in Navisworks, if they have been saved as .dxf or .stp format.
- Object properties are not supported.

auto.des.sys

form.z



[form.z Details](#)

Other Formats	DWG, DXF, 3DS, IGES, STL, VRML
---------------	--------------------------------

- Navisworks supports all of the above file formats, which form.z can export to.

Autodesk Navisworks 2017 Solutions

Adobe Systems Inc.

	Exporter	Native Format	Other Format	Properties
PDF		✓		
PDF Details				
Other Formats	PDF			

- Navisworks supports Adobe Portable Document Format (PDF) files in the sheet browser, directly from 2017.
- Only 2D pdf is supported, this does include multiple sheet files.
- For Navisworks 2015 users, the application may be found as a free download on the Autodesk Navisworks Application Exchange.

AEC

	Exporter	Native Format	Other Format	Properties
CADPIPE	✓	✓	✓	✓
CADPIPE Details				
Other Formats	DWG, DXF, 3DS			

- To view CADPIPE object properties in Navisworks, you may need to turn on the Convert Object Properties option. To do this, go to Tools > Global Options > File Readers > DWG/DXF > Advanced and select the CADPIPE option. Any CADPIPE properties can then be viewed in the 'Properties' window. To open the Properties window, go to View tab> Workspace panel > Windows drop-down > Properties.
- CADPIPE 'Industrial' and 'Commercial' cannot be used at the same time. If both are installed, then industrial is used. You can disable either or both by going to Tools > Global Options > Registry > Current User > CADPIPE. Change the version you require to one (1) and disable the other version by changing that value to zero (0).

AVEVA

	Exporter	Native Format	Other Format	Properties
PDMS			✓	✓
PDMS Details				
Other Formats	RVM			

- Navisworks can read .rvm files exported from PDMS.
- AVEVA Review .rvs files are also supported. These require the same filename as the .rvm file.
- PDMS attribute files are supported, output using either the 'Dump Attributes' or 'Data' formats. These can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

Autodesk Navisworks 2017 Solutions

CADopia

Exporter	Native Format	Other Format	Properties
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IntelliCAD



[IntelliCAD Details](#)

Other Formats	DWG, DXF
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- Navisworks supports the native IntelliCAD .dwg file format, which can be read directly into Navisworks.

CEA Technology

Exporter	Native Format	Other Format	Properties
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Plant-4D



[Plant-4D Details](#)

Other Formats	DWG, DGN
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- Navisworks has file readers for .dwg and .dgn files, both of which are supported by Plant-4D.

COADE, Inc.

Exporter	Native Format	Other Format	Properties
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CADWorx Plant



[CADWorx Plant Details](#)

Other Formats	DWG, DXF, 3DS
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- Models can be exported from CADWorx as either .nwc or .nwd format, if you have Navisworks installed on the same machine.
- Navisworks also provides support for .dwg files enabling native CADWorx models to be read directly into Navisworks.
- CADWorx object properties are also supported by Navisworks and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.
- CADWorx piping, steel, and equipment data is fully supported by Navisworks.

Autodesk Navisworks 2017 Solutions

Exporter Native Format Other Format Properties

CADWorx Pipe

✓ ✓ ✓ ✓

[CADWorx Pipe Details](#)

Other Formats	DWG, DXF, 3DS
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- Models can be exported from CADWorx as either .nwc or .nwd format, if you have Navisworks installed on the same machine.
- Navisworks also provides support for .dwg files enabling native CADWorx models to be read directly into Navisworks.
- CADWorx object properties are also supported by Navisworks and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.
- The legacy product, CADWorx Pipe, is fully supported by Navisworks.

CADWorx Steel

✓ ✓ ✓ ✓

[CADWorx Steel Details](#)

Other Formats	DWG, DXF, 3DS
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- Models can be exported from CADWorx as either .nwc or .nwd format, if you have Navisworks installed on the same machine.
- Navisworks also provides support for .dwg files enabling native CADWorx models to be read directly into Navisworks.
- CADWorx object properties are also supported by Navisworks and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.
- CADWorx Steel is fully supported by Navisworks.

Autodesk Navisworks 2017 Solutions

COINS

	Exporter	Native Format	Other Format	Properties
BSLink	✓	✓	✓	✓

[BSLink Details](#)

Other Formats	DWG, DXF, 3DS
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- In order to read a BSLink file into Navisworks, you either need BSLink installed on the same machine as Navisworks, or AutoCAD installed complete with the BSLink object enabler.
- If BSLink is installed, the object enabler is not necessary. With Navisworks installed on the same machine, simply export to .nwc or .nwd.
- In Navisworks, object properties can be viewed in the 'BSLink' tab in the 'Properties' window. To open the properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

Framing

	✓	✓	✓	✓
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[Framing Details](#)

Other Formats	DWG, DXF, 3DS
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- In order to read a Framing file into Navisworks, you either need COINS Framing installed on the same machine as Navisworks, or ADT installed complete with the Framing object enabler.
- If COINS Framing is installed, the object enabler is not necessary. If Navisworks is installed on the same machine, simply export to .nwc or .nwd.
- In Navisworks, object properties can be viewed in the Framing tab in the Properties window. To open the properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

CSC

3D+

	✓	✓		✓
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[3D+ Details](#)

Other Formats	DWG, CIS/2
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- 3D+ has a Navisworks Exporter, enabling you to export a Navisworks file out of 3D+.
- Also see the 3D+ website for information on their 3D+ Navisworks Reader. This is a plug-in to Navisworks, enabling you to read the native .3nwc file format in Navisworks.
- 3D+ object properties are supported by Navisworks via either of the above routes.

Autodesk Navisworks 2017 Solutions

Dassault Systemes

	Exporter	Native Format	Other Format	Properties
CATIA			✓	
CATIA Details				
Other Formats	DXF, IGES, STEP, JT			

- Navisworks has file readers for .dxf, .igs, .stp and .jt files, all of which can be exported from CATIA.
- STEP is the preferred exchange format.

Google

SketchUp (up to 2016)		✓	✓	
SketchUp Details				
Other Formats	DWG, 3DS			

- SketchUp .skp files (v5 up to 2016 can be read directly into Navisworks.
- Grouping objects in SketchUp will make it easier to use the model in Navisworks, for example applying materials, or attaching objects to TimeLiner tasks.

Hannappel SOFTWARE GmbH

elcoCAD R4	✓	✓	✓	✓
elcoCAD R4 Details				
Other Formats	DWG, DXF, 3DS			

- Models can be exported from elcoCAD as either .nwc or .nwd format.
- Navisworks also supports the native elcoCAD .dwg file format, which can be read directly into Navisworks.
- Object properties are also supported by Navisworks and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

Autodesk Navisworks 2017 Solutions

Intergraph

	Exporter	Native Format	Other Format	Properties
PDS	✓	✓	✓	✓
PDS Details				
Other Formats	DWG, DXF, DGN, IGES, STEP			

- Intergraph PDS will save the model geometry in a .dgn file and the property information in a .drv file. Both files are required by Navisworks to read the model with object properties.
- In Navisworks, go to Tools > Global Options > DGN, scroll down and check the 'Convert PDS Data' option. Ensure the .dgn and .drv files reside in the same directory. Navisworks will then import the model, along with its properties.
- PDS object properties can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.
- If Navisworks has been installed onto the same machine as Intergraph PDS, you will be able to export from PDS as a Navisworks .nwc or .nwd file.

Informatix

MicroGDS	✓
MicroGDS Details	
Other Formats	MAN

- Navisworks supports the native MicroGDS .man file format, which can be read directly into Navisworks.
- Colors and Materials from the file are supported. The .man File Reader options can be found in Tools > Global Options > File Readers > MAN.

Autodesk Navisworks 2017 Solutions

ITandFactory

Exporter Native Format Other Format Properties

CADISON

✓ ✓ ✓ ✓

[CADISON Details](#)

Other Formats	DXF, 3DS
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- Navisworks can directly read CADISON .dwg files, utilizing the .dwg file reader.
- In order to read a CADISON file into Navisworks, you either need CADISON installed on the same machine as Navisworks, or you will need to install the CADISON Object Enabler.
- If CADISON is installed, the object enabler is not necessary.

- With either CADISON or the Object Enabler installed, simply open the CADISON .dwg file in Navisworks.
- If CADISON is installed on the same machine as Navisworks, then you can also export to .nwc or .nwd.
- Exporting a Navisworks file from CADISON also retains the models object properties that can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

TRICAD MS

✓ ✓ ✓

[TRICAD Details](#)

Other Formats	VRML
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- If TriCAD MS is installed on the same machine as Navisworks, then you can also export to .nwc or .nwd.
- Exporting a Navisworks file from TRICAD MS also retains the models object properties that can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

Autodesk Navisworks 2017 Solutions

Kubotek USA

	Exporter	Native Format	Other Format	Properties
CADKEY			✓	
CADKEY Details				
Other Formats	DWG, DXF, IGES, STEP			

- Navisworks has file readers for .dwg files and also .dxf, .igs and .stp files, all of which are supported by CADKEY.

M.A.P.

CAD-Duct	✓	✓	✓	✓
CAD-Duct Details				
Other Formats	DWG, DXF, 3DS			

- In order to read a CAD-Duct file into Navisworks, you either need CAD-Duct installed on the same machine as Navisworks, or have the CAD-Duct Object Enabler installed. The CAD-Duct Object Enabler can be downloaded from the CAD-Duct website, found under Support > Additional Files.
- If CAD-Duct is installed, the Object Enabler is not necessary. Simply export to .nwd or .nwc.
- In Navisworks, object properties can be viewed in the 'CAD-Duct' tab in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

Autodesk Navisworks 2017 Solutions

McNeel North America

	Exporter	Native Format	Other Format	Properties
Rhino		✓	✓	
Rhino Details				
Other Formats	DWG, DXF, 3DS, IGES, STEP			

- In Navisworks, you can now read native Rhino files directly.

Mensch und Maschine

RoCAD	✓	✓	✓	✓
RoCAD Details				
Other Formats	DWG, DXF, 3DS			

- Models can be exported from RoCAD as either .nwc or .nwd.
- Navisworks also supports the .dwg file format, which can be read directly into Navisworks.
- If you do not have RoCAD installed on the same machine as Navisworks, you will need to have AutoCAD installed, along with the RoCAD Object Enabler.
- Object properties, (such as Material Colors and Entity Handles) are also supported by Navisworks and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

MultisUITE

MultiSTEEL	✓	✓		✓
MultiSTEEL Details				
Other Formats	DWG, DXF, 3DS			

- .dwg files from MultiSTEEL can be read directly into Navisworks utilizing the .dwg file reader.
- Models can also be exported from MultiSTEEL as either .nwc or .nwd.
- MultiSTEEL object properties can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

Autodesk Navisworks 2017 Solutions

Nemetschek

Exporter Native Format Other Format Properties

Allplan



[Allplan Details](#)

Other Formats DWG, DXF, DGN, IFC

- Allplan files can be viewed in Navisworks if they have been saved in one of the above formats.
- Object properties are not supported.

PROCAD

3DSMART



[3DSMART Details](#)

Other Formats DWG, DXF, 3DS

- With 3DSMART installed on the same machine as Navisworks, you can read your DWG file directly into Navisworks, utilizing the DWG file reader.
- You can also export a .nwc file directly from 3DSMART.

PTC

Pro/ENGINEER



[Pro/ENGINEER Details](#)

Other Formats IGES, STEP, VRML, JT

- Native Pro/ENGINEER format support; .PRT .ASM .G .NEU
- Pro/ENGINEER models can be exported to any of the above file formats which can then be read into Navisworks.

CADDS 5



[CADDS 5 Details](#)

Other Formats IGES, STEP

- You can read CADDS 5 3D models into Navisworks, by exporting either an IGES or STEP file from CADDS 5 and then utilize either the Navisworks .igs, or .stp file readers.

Autodesk Navisworks 2017 Solutions

QuickPen

	Exporter	Native Format	Other Format	Properties
PipeDesigner 3D	✓	✓	✓	✓
PipeDesigner 3D Details				
Other Formats	DWG, DXF, 3DS			

- Models can be exported from PipeDesigner 3D as either .nwc or .nwd format.
- Navisworks also supports the native .dwg file format, which can be read directly into Navisworks if the relevant Object Enabler is installed.
- Object properties, (such as Material Colors and Entity Handles) are also supported by Navisworks and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

	Exporter	Native Format	Other Format	Properties
DuctDesigner 3D	✓	✓	✓	✓
DuctDesigner 3D Details				
Other Formats	DWG, DXF, 3DS			

- Models can be exported from DuctDesigner 3D as either .nwc or .nwd format.
- Navisworks also supports the native .dwg file format, which can be read directly into Navisworks if the relevant Object Enabler is installed.
- Object properties, (such as Material Colors and Entity Handles) are also supported by Navisworks and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

RAM International

	Exporter	Native Format	Other Format	Properties
CADstudio	✓	✓	✓	✓
CADstudio Details				
Other Formats	DWG, DXF, 3DS			

- Models can be exported from CADstudio as either .nwc or .nwd format.
- Navisworks also supports the native CADstudio .dwg file format, which can be read directly into Navisworks.
- Object properties are also supported by Navisworks and these can be viewed in the 'Properties' window. To open the Properties window, go to View tab > Workspace panel > Windows drop-down > Properties.

Autodesk Navisworks 2017 Solutions

SolidWorks

Exporter Native Format Other Format Properties

SolidWorks



[SolidWorks Details](#)

Other Formats DWG, DXF, IGES, STEP, VRML, JT

- Native SolidWorks format support; .PRT .SLDPRT .ASM .SLDASM
- SolidWorks models can be exported to DWG, DXF, IGES, STEP, VRML or JT format which can then be read into Navisworks.

Tekla

Tekla Structures



[Tekla Structures Details](#)

Other Formats DGN, VRML, CIS/2

- Tekla Structures can export to the .dgn file format, which can be read directly into Navisworks.
- Tekla Structures can additionally output to CIS/2. This may then be converted to VRML using the translator from the National Institute of Standards and Technology (see the NIST website for more information). The VRML file can then be read directly into Navisworks.
- Limited object properties are supported via the .dgn route.

Xsteel



[Xsteel Details](#)

Other Formats DGN

- Xsteel can export to the .dgn file format, which can be read directly into Navisworks.
- Limited object properties are supported via the .dgn route.

think3

thinkdesign



[thinkdesign Details](#)

Other Formats DWG, DXF, IGES, STEP

- Navisworks has file readers for .dwg/.dxf files and also .igs and .stp files.

Autodesk Navisworks 2017 Solutions

UGS

	Exporter	Native Format	Other Format	Properties
I-deas			✓	
I-deas Details				
Other Formats	DXF, IGES, STEP, JT			

- Navisworks has file readers for .dxf, .igs .stp and .jt files.

Solid Edge

Solid Edge Details			✓	
Other Formats	IGES, STEP, JT			

- Solid Edge can export to IGES STEP and JT files, which can be read directly into Navisworks.

NX (Unigraphics)

NX Details		✓	✓	
Other Formats	DXF, IGES, STEP, JT			

- Native NX format support; .PRT.
- Navisworks has file readers for .dxf, .igs .stp and .jt files.

FactoryCAD

FactoryCAD Details	✓	✓	✓	
Other Formats	DWG, DXF, 3DS			

- In order to read a FactoryCAD file into Navisworks, you either need FactoryCAD or the FactoryCAD object enabler installed on the same machine.
- If FactoryCAD is installed, the object enabler is not necessary. Simply export to .nwc or .nwd.

Autodesk Navisworks 2017 Solutions

UHP Process Piping

	Exporter	Native Format	Other Format	Properties
FabPro Pipe	✓	✓	✓	
FabPro-Pipe Details				
Other Formats	DWG, DXF, 3DS			

- Models can be exported from FabPro Pipe as either .nwc or .nwd format.
- Navisworks also supports the native FabPro Pipe .dwg file format, which can be read directly into Navisworks.

x-plant

x-plant	✓	✓	✓	
x-plant Details				
Other Formats	DWG, DXF, 3DS			

- Models can be exported from x-plant as .nwc format.
- Navisworks also supports the native x-plant .dwg file format, which can be read directly into Navisworks.