

Conversion of Smap3D standard and repetition parts for SolidWorks 2015

This document describes how to convert Smap3D standard parts for usage with Smap3D Piping in SolidWorks 2015 and its future versions.

Motivation

In SolidWorks 2015, there is a breaking change causing 3rd party data loss when saving a document with SolidWorks 2015.

Smap3D applications use this 3rd party data storage streams to hold some information.

Therefore it is **important and inevitable** to perform the Smap3D parts conversion with the Smap3D SolidWorks 2015 conversion tool, to save Smap3D data storage before starting to work with Smap3D parts in SolidWorks 2015 or its future versions.

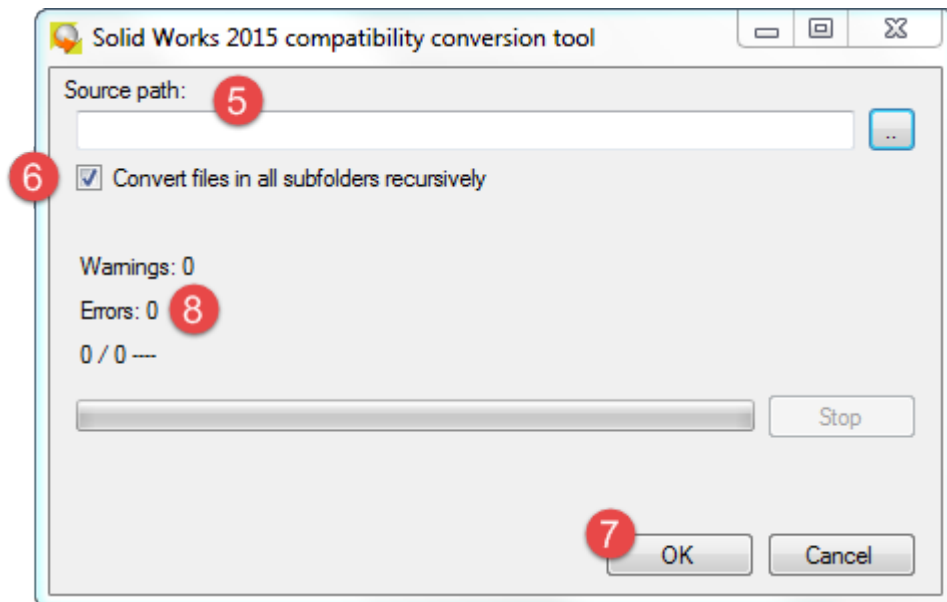
Video instruction

Here the link to the video instruction:

[Smap3D file conversion for SolidWorks 2015](#)

Step-by-step conversion

- 1) Install the **service pack 2** for Smap3D Plant Design Version 11.
- 2) Install SolidWorks 2015.
NOT open and save any parts and/or assemblies (otherwise you delete the Smap3D information and destroy the Smap3D part irreparable).
- 3) Open the Windows Explorer and switch to the installation folder of **Smapp3D Plant Design 11.0** (per default C:\Program Files (x86)\Cad-Partner\Smapp3D Plant Design 11.0).
- 4) Start the **SolidWorks 2015 compatibility conversion tool** with double click on the file **SW2015StreamConvertor.exe**.
(for command line usage - see chapter [converting from command line](#)).



- 5) Fill in or browse the **Source Path** where your **Smapp3D standard parts** are located (typically your Smap3D root folder).
Note: Copied parts in your Smap3D working folder can also contain Smap3D data storage for conversion, if you like to use them in the future in the Smap3D database.
- 6) Keep **Convert files in all subfolders recursively** checkbox checked for deep scanning of all subfolders (**recommended**).
Uncheck it, to only scan the folder in its own.
- 7) Click **OK** button to start the conversion.

- 8) After the conversion is finished, a dialog allowing you to change the **Log file location** will occur. If there are any **Warnings** or **Errors** there, see **Log file** and **Log result table** for log file interpretation.
Note: *Warning severity depends on whether the related SolidWorks file is a Smap3D part or not. This could be determined by the part folder and the part relationships; generally, all parts being in your Standard Part Folder (except standard assembly parts) and Smap3D working folder should be Smap3D parts.*
- 9) If there are any other folders containing Smap3D parts left, continue with [step 5](#)).

Log result table

SolidWorks file version	Installed SolidWorks CAD version	Presence of "Smapp3D streams"	ReadOnly status	Result in Log	Reason of message
Not SLDPRT and not SLDASM extension	Any or none	-	Any	Ignored, no log message	
SWX 2014	Any or none	No streams at old location, no SMAPINFO at new location	Any	[INFORMATION] No streams present	Not a Smapp3D part
		SMAPINFO stream at new location	Any	[INFORMATION] Already converted (version 2014-)	Already converted, or added with 11.0 SP2 and SWX 2014.
		Streams at old location	Read/ write	[OK]/[ERROR] depending on conversion result	Tool performs the conversion now
			Read only	[WARNING] Read only	Should be converted, but cannot write
SWX 2015	None or still SWX 2014	(converter tool cannot determine streams)	Any	[WARNING] SWX2015 file	Converter tool cannot determine stream, but only file version SWX2015
	2015	No SMAPINFO stream on new location	Any	[WARNING] SWX2015 file with no streams	Possibly destroyed Smapp3D information or not Smapp3D part
		SMAPINFO stream at new location	Any	[INFORMATION] Already converted (version 2015+)	Already converted or added in 11.0 SP2 with SWX 2015

Converting from command line

SW2015StreamConvertor.exe [/norecursive] [/nogui] [<sourcepath>]

sourcepath – folder containing files and subfolders to be processed

/norecursive – subfolders of the <sourcepath> are not processed

/nogui – non-interactive mode <sourcepath> parameter is required in this case).