

SolidWorks SustainabilityXpress Installation Instructions for SolidWorks Education Edition/ SolidWorks Student Edition 2009-2010

SolidWorks SustainabilityXpress Add-In

Note: An internet connection is required to access content. SolidWorks Education Edition, SolidWorks Student Edition, or SolidWorks SDK 2009-2010 is required.

- 1. Close SolidWorks application.
- 2. Enter <u>http://labs.solidworks.com/</u> in your internet browser.
- 3. Click the **Download** button from the SustainabilityXpress window.



4. Click **Download 32bit SustainabilityXpress** or **Download 64bit SustainabilityXpress** based on your computer configuration.



5. Click **Run**. The software downloads to a tempory file location.



6. Click **Run** to install SimulationXpress.

Internet Explorer - Security Warning		
Do you want to run this software?		
	Name: SustainabilityXpress_x86.exe	
	Publisher: Dassault Systemes SolidWorks Corp.	
💙 Mor	re options Run Don't Run	
٢	While files from the Internet can be useful, this file type can potentially harm your computer. Only run software from publishers you trust. <u>What's the risk?</u>	

7. Click **Unzip** to Extract all files.

WinZip Self-Extractor - SustainabilityXpress_x8 🔀		
To unzip all files in this self-extractor file to the specified folder press the Unzip button.		Unzip
Unzip to folder:		Run WinZip
\swdist\SustainabilityXpress_x86	Browse	Close
Overwrite files without prompting	About	
I✓ When done unzipping open: se	tup.exe	Help

Dassault Systèmes SolidWorks Corp.

8. Click **OK**.



9. Click **Next** from Welcome to SustainabilityXpress Setup Wizard.

🖞 SustainabilityXpress
Welcome to the SustainabilityXpress Setup Wizard
The installer will guide you through the steps required to install SustainabilityXpress on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel < <u>B</u> ack

10. Click **Next** from the Select Installation Folder. *Note: The Add-In will be installed to the "Dassualt SolidWorks Corporation" folder by default. You may wish to change this folder to match your SolidWorks installation folder.*

🛃 SustainabilityXpress	
Select Installation Folder	
The installer will install SustainabilityXpress to the following folder.	
To install in this folder, click "Next". To install to a different folder, enter it be	elow or click "Browse".
Eolder: C:\Program Files\Dassault SolidWorks Corporation\SustainabilityXpre:	Browse
	<u>D</u> isk Cost
Install SustainabilityXpress for yourself, or for anyone who uses this comp	uter:
⊂ Just <u>m</u> e	
Cancel < <u>B</u> ack	<u>N</u> ext >

11. Click **Next** from Confirm Installation.



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12. Click **Close** from Installation Complete.



- 13. Enter <u>http://labs.solidworks.com/</u> in your internet browser .
- 14. Click the **Download** button from SustainabilityXpress window.
- 15. Click **Download Tutorial**.

Note: SustainabilityXpress is designed to work specifically with SolidWorks 2009.

Download 32bit SustainabilityXpress
Download 64bit SustainabilityXpress
Download Tutorial

16. Click **Open**. Click **Extract**.



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17. Click **Extract** and select a folder to Extract to, such as My Documents.



18. The part file, Drive Sled.sldprt and the Help file, OTSustainability.chm are extracted.





- 19. Click SolidWorks from your desktop.
- 20. Click Tools, Add-Ins...



21. Check SustainabilityXpress. Click OK.

🐻 Solid Works File View Tools Help 🖉 🗋 + 🎓 + 📊 - 🏷 - 🗐 - 🗟 - 🖉 - 🕄 E -	? • = 🗆 ×
	SolidWorks Resources 🥥
	Getting Started 🛛 😞 🏠
Add-Ins 🔀	New Document
Arbun Add Inc. Dank In. all	🔗 Open a Document
	🔊 Student Curriculum
Sector Works	G Instructors Curriculum
PhotoWorks 🔽 📑	Tutorials
	The What's New
SolidWorks Motion	General Information
SolidWorks Routing	
	Community 🔿
SolidWorks Toolbox Toolbox	Customer Portal
🛛 📈 SolidWorks Utilities	Discussion Forum
TolAnalyst 🛛 🖬	🕵 User Groups
🖂 SolidWorks Add-ins	Latest News (0 recent)
California Constantia Consta	Available: SolidWorks Enterprise
SolidWorks 2D emission 2009	PDM 2009 SP4.0 is available for download
SolidWorks MTS	News: New Forum launch
SolidWorks XPS Driver	Available: SolidWorks Enterprise
Endbird hills damage	Available: SolidWorks 2010 Beta
SustainabilityXpress SustainabilityXpress	program is available.
	Available: SolidWorks 2009 SP4.0 is available for download
Dassault Solid Works Corporation	News: SolidWorks Satisfaction Survey email invitation
	Survey: Design Library Content
	Survey: Non-PDM Users
	Bulletin: IE8 and SolidWorks RSS news Task Pane issue (x64).
	Survey: Take our quality and
SolidWorks Education Edition - Instructional Use Only	

- 22. Click **Open.** Browse and select **Drive Sled.sldprt.**
- 23. Click **Tools**, **SustainabilityXpress**.



24. Click Continue. The SustainabilityXpress Task Pane is displayed.



25. Select values for Material, Manufacturing, and Use. A step-by-step tutorial is available from the Download Tutorial file, **OTSustainability.chm**.



26. Right-click **OTSustainability.chm**. Click **Open With**, **Internet Explorer**. The Help file, OTSustainability.chm contains a step-by-step tutorial on using SolidWorks SustainabilityXpress Tutorial.

2	OTSustain Compiled H	ability.chm HTML Help file	istair	nability.zip
	124 KB	Open		1
		Open With	•	👔 Microsoft® HTML
		🗐 WinZip	►	🥖 Internet Explorer
		Upload using WS_FTP Upload Wizard		
		Send To	•	Choose Program
		Cut		
		Сору		
		Create Shortcut		
		Delete		
		Rename		
		Properties		

27. Review the SolidWorks Sustainability Tutorial.

Sustainability Overvie	w					
This example demonstrates	This example demonstrates using SustainabilityXpress to perform an environmental impact analysis of a part.					
You analyze a common part	used in computers - the drive sled that holds drives in the computer case.					
	PUTP 22 1 0					
Sustainability measures thes	e areas of environmental impact:					
Carbon Footprint	A measure of carbon dioxide and equivalents, such as carbon monoxide and methane, that are released into the atmosphere primarily by burning fossil fuels, contributing to global warning.					
Energy Consumed	All forms of nonrenewable energy consumed over the entire life cycle of the product.					
Air Acidification	Acidic emissions, such as sulfur dioxide and nitrous oxides, which eventually lead to acid rain.					
Water Eutrophication	Contamination of water ecosystems by waste water and fertilizers, resulting in algae blooms and the eventual death of plant and animal life.					
The software measures the e	The software measures the environmental impact based on these parameters:					
• Material used						
 Manufacturing process and 	region					
 Transportation and use reg 	• Transportation and use region					
• End of life	• End of life					
Follow these steps to analyz	e parts:					