DSH^{plus} – MotionSolve – Interface

Dr. Heiko Baum FLUIDON GmbH







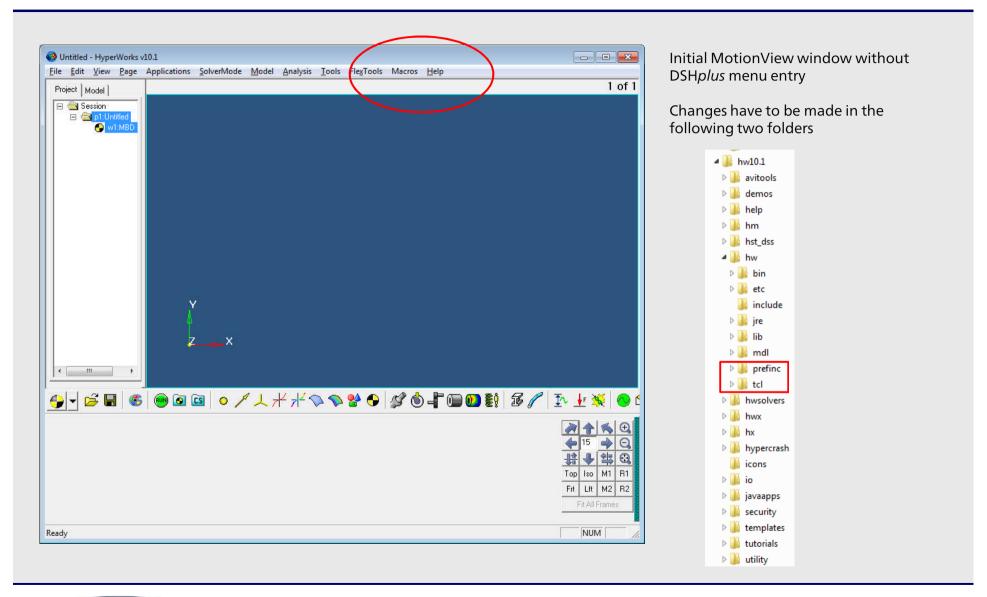


Content

- 1 General Preparation of MotionView 10.1
- **DSH**^{plus} MotionSolve Co-Simulation Application Example

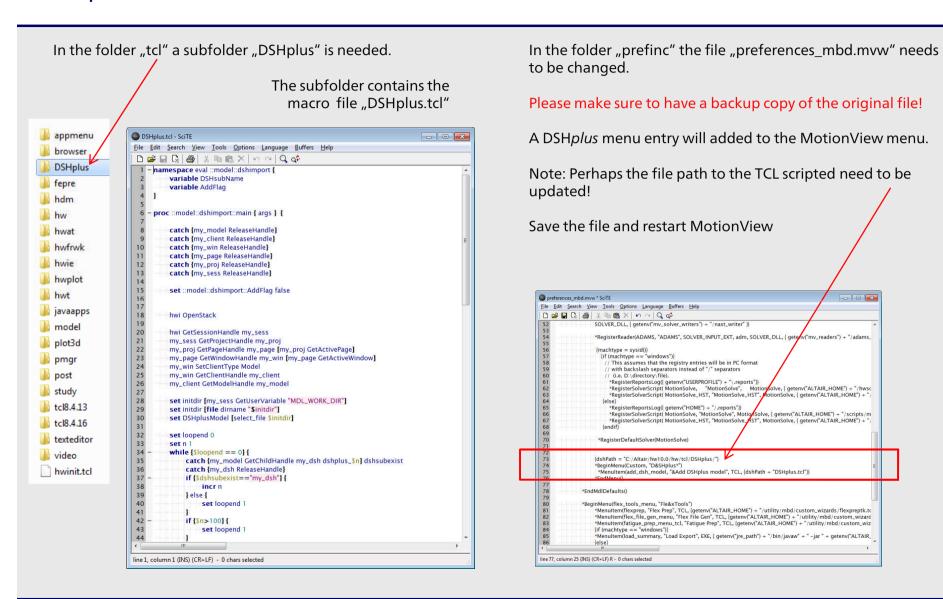


Preparation of MotionView 10.1



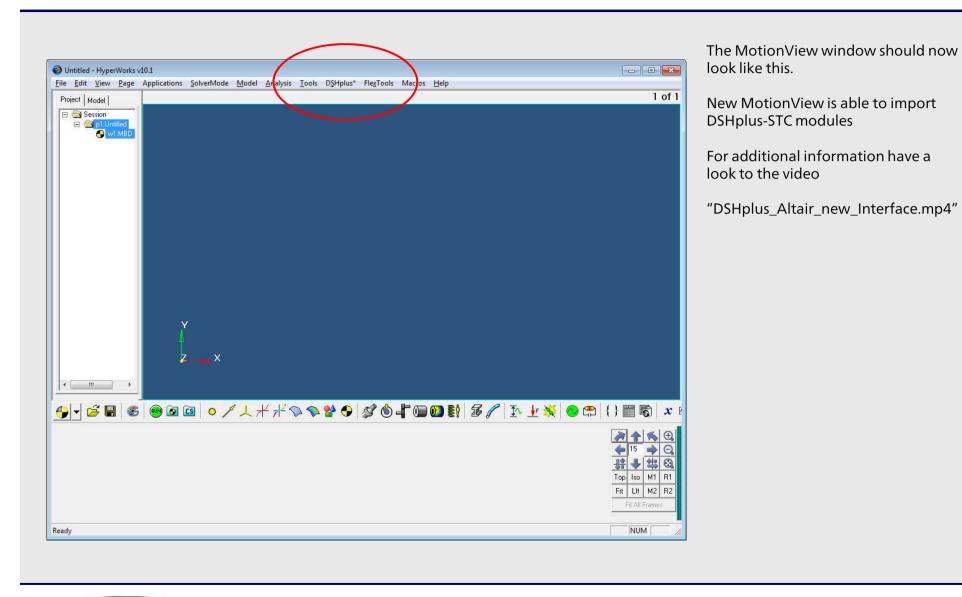


Preparation of MotionView 10.1





Preparation of MotionView 10.1

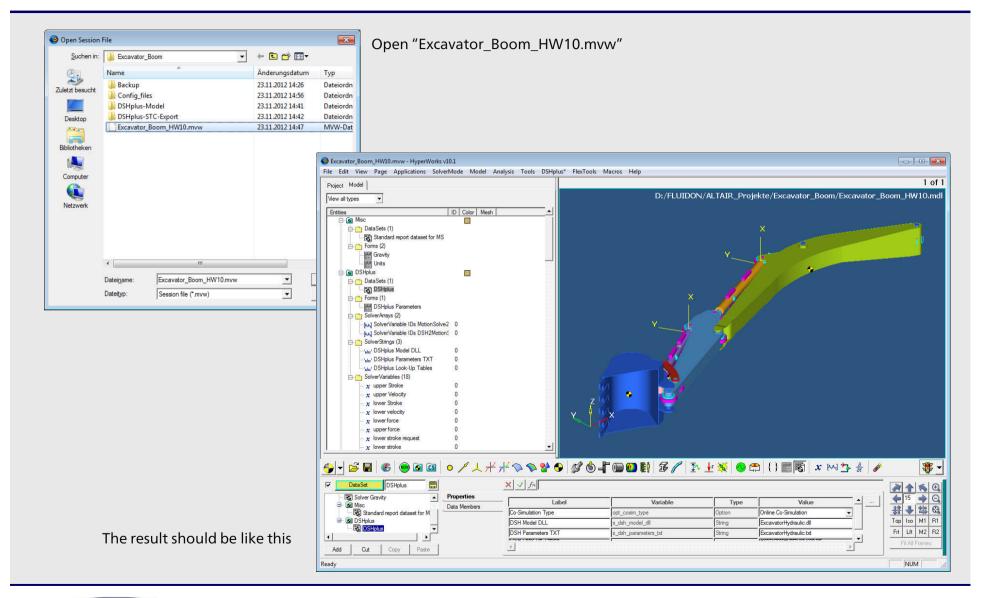




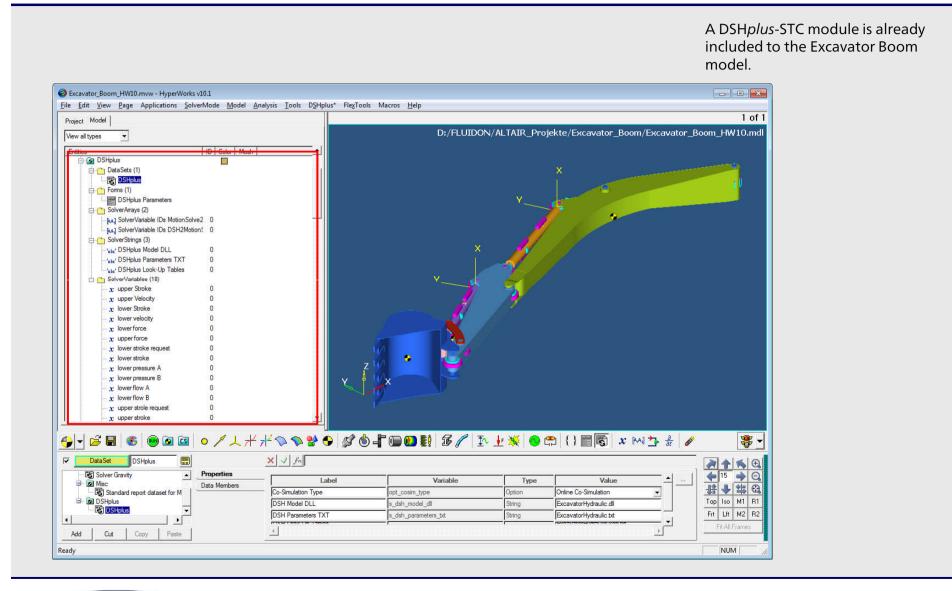
Content

- General Preparation of MotionView 10.1
- 2 DSH^{plus} MotionSolve Co-Simulation Application Example

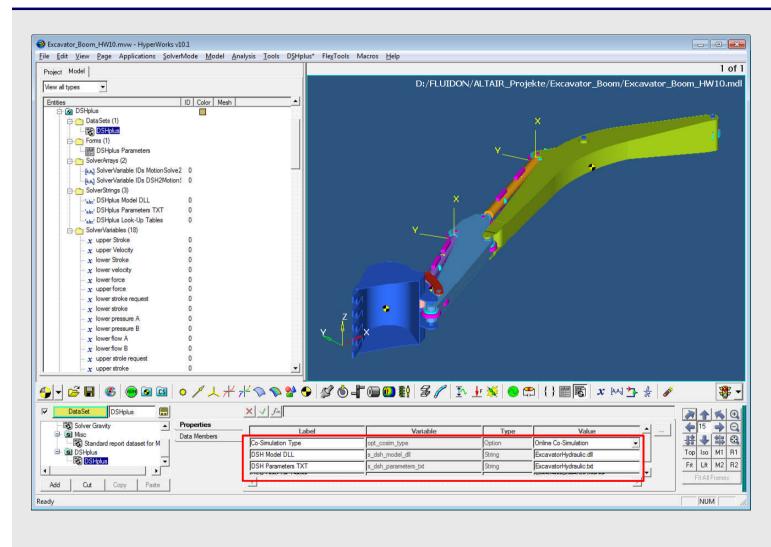










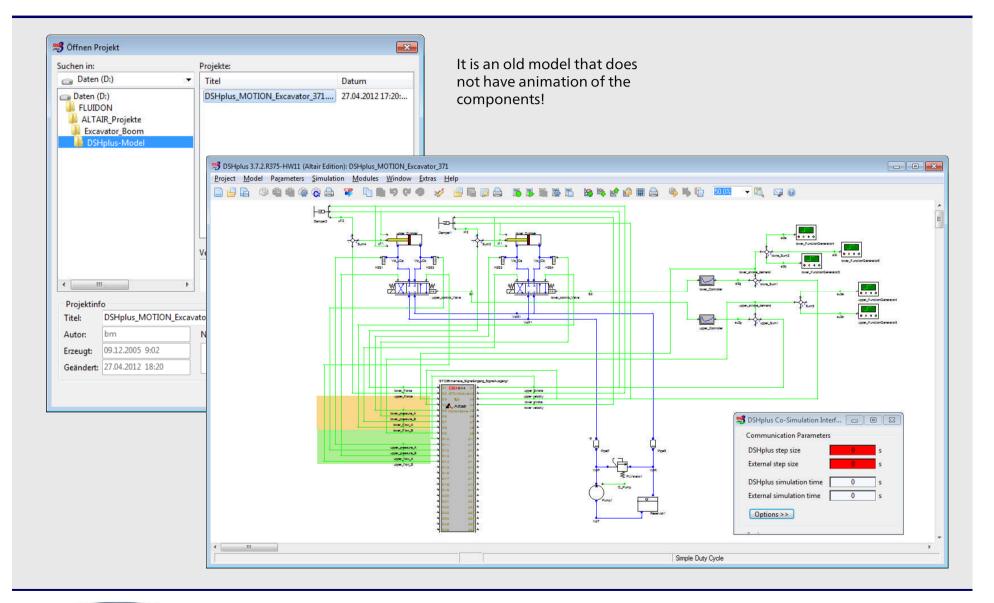


The name of the required DSH*plus*-STC module DLL can be taken from the DSH*plus* Model DLL text string.

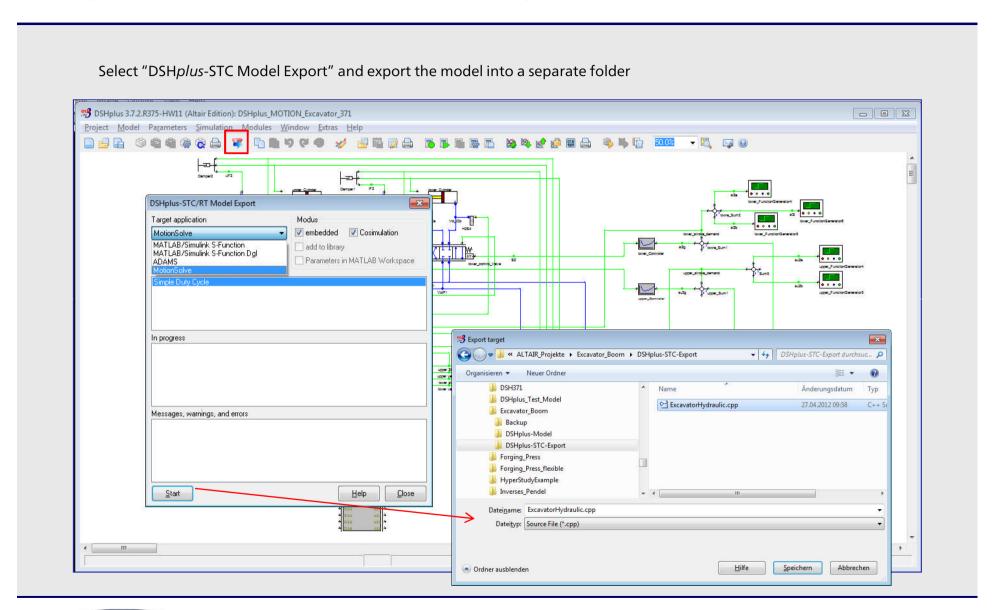
If a new DSH*plus*-STC Module is imported by the TCL macro, the model DLL name is automatically taken from the DSH*plus* export.

Because in the demo application the DSH*plus*-STC Module is already included, the DSH*plus*-STC export should have the name "ExcavaterHydraulic".











The high-lighted files are required for the DSHplus-STC Modul

CosimulationDSHplus.log	22.11.2012 22:04	Textdokument	1 KB
ExcavatorHydraulic.cpp	23.11.2012 13:21	C++ Source	153 KE
ExcavatorHydraulic,def	23.11.2012 13:21	Export Definition F	1 KE
ExcavatorHydraulic.dll	23,11,2012 13:21	DLL-Datei	137 KE
h ExcavatorHydraulic.h	23.11.2012 13:21	C/C++ Header	1 KE
ExcavatorHydraulic.ilc	23.11.2012 13:21	ILC-Datei	512 KE
ExcavatorHydraulic.ild	23.11.2012 13:21	ILD-Datei	128 KE
ExcavatorHydraulic.ilf	23.11.2012 13:21	ILF-Datei	1.344 KE
ExcavatorHydraulic.ils	23.11.2012 13:21	ILS-Datei	1.984 KE
ExcavatorHydraulic.ken	12.12.2005 22:52	KEN-Datei	1 KE
ExcavatorHydraulic.ken.txt	23.11.2012 13:21	TXT-Datei	1 KE
ExcavatorHydraulic.mdl	23,11,2012 13:21	Simulink model file	8 KE
ExcavatorHydraulic.tds	23.11.2012 13:21	TDS-Datei	640 KE
ExcavatorHydraulic.txt	23.11.2012 13:21	TXT-Datei	29 KE
ExcavatorHydraulicInterface.dll	31.07.2012 14:42	DLL-Datei	479 KE
ExcavatorHydraulicModell.dll	23.11.2012 13:21	DLL-Datei	155 KE
ExcavatorHydraulicModell.ilc	23.11.2012 13:21	ILC-Datei	512 KE
ExcavatorHydraulicModell.ild	23.11.2012 13:21	ILD-Datei	192 KE
ExcavatorHydraulicModell.ilf	23.11.2012 13:21	ILF-Datei	1.344 KE
ExcavatorHydraulicModell.ils	23,11,2012 13:21	ILS-Datei	1.984 KE
ExcavatorHydraulicModell.tds	23.11.2012 13:21	TDS-Datei	768 KE

Please not:

Due to a software bug the file extensions of one ASCI-Text files are wrong after the export!

For your own DSH*plus* Module exports you need to change the extension ".txt.ken.txt" into ".ken.txt!

Copy the files into the folder of your MotionSolve model

📗 Backup	22.11.2012 21:13	Dateiordner	
■ DSHplus-Model	23.11.2012 12:38	Dateiordner	
	23,11,2012 13:24	Dateiordner	
Support_GB.h3d	11.11.2008 11:16	Altair HyperView	552 KB
💼 Upperarm.h3d	11.11.2008 11:16	Altair HyperView	1.410 KB
☑ Uppercontrol1.h3d	11.11.2008 11:16	Altair HyperView	662 KB
Uppercontrol2.h3d	11,11,2008 11:16	Altair HyperView	587 KB
lowercontrol1.h3d	11,11,2008 11:17	Altair HyperView	606 KB
in lowercontrol2.h3d	11,11,2008 11:17	Altair HyperView	569 KB
arm_control_coupler.h3d	11.11.2008 11:17	Altair HyperView	569 KB
control_bucket_coupler.h3d	11.11.2008 11:17	Altair HyperView	591 KB
■ bucket.h3d	11.11.2008 11:17	Altair HyperView	911 KB
in lowerarm.h3d	11.11.2008 11:17	Altair HyperView	941 KB
Excavator_Boom.mdl	27.04.2012 18:21	Simulink model file	24 KB
ExcavatorHydraulic.dll	23,11,2012 13:21	DLL-Datei	137 KB
ExcavatorHydraulic.ken.txt	23,11,2012 13:21	TXT-Datei	1 KB
ExcavatorHydraulic.txt	23.11.2012 13:21	TXT-Datei	29 KB
ExcavatorHydraulicInterface.dll	31.07.2012 14:42	DLL-Datei	479 KB
ExcavatorHydraulicModell.dll	23.11.2012 13:21	DLL-Datei	155 KB



Sample Co-Simulation

