

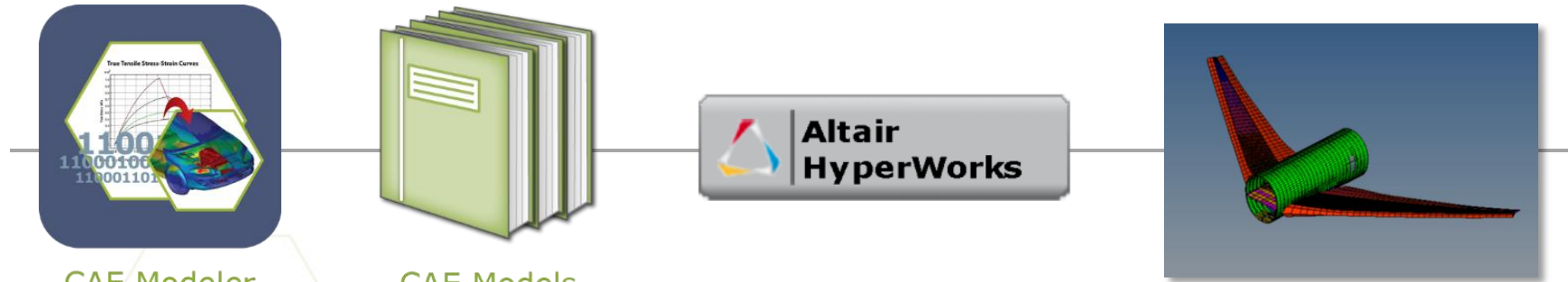


Matereality-HyperWorks Connectivity

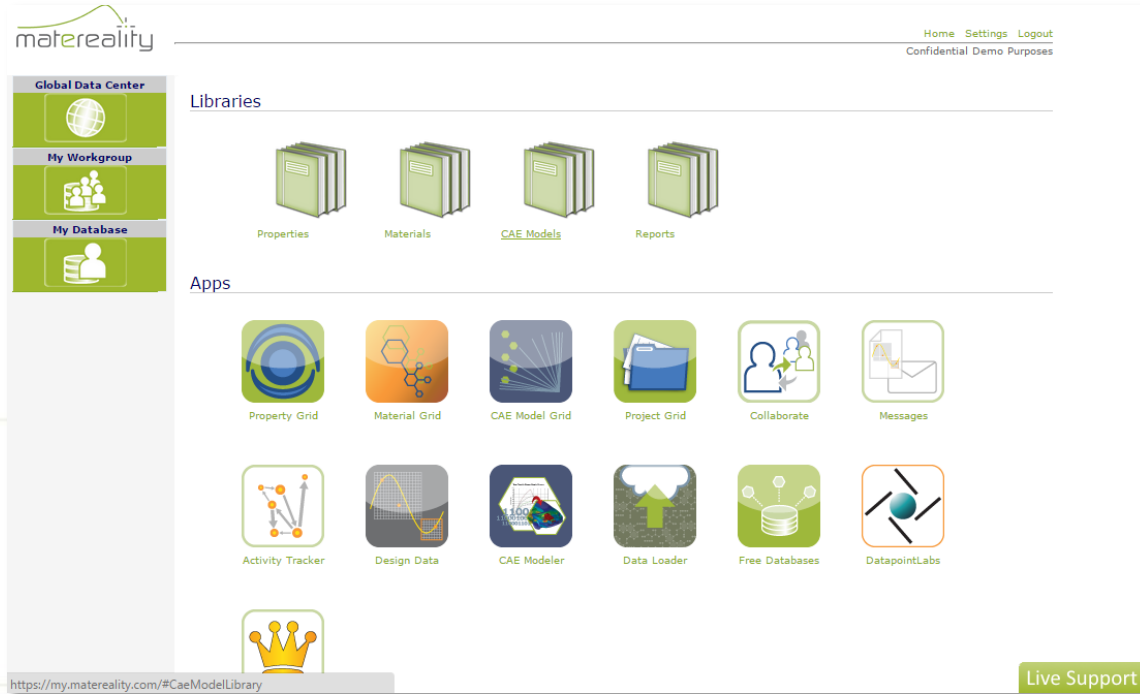
strengthening the materials core of manufacturing enterprises



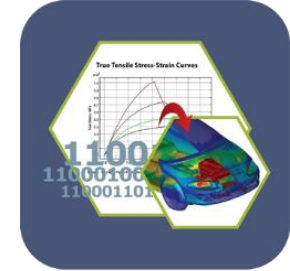
Create CAE Master material files for use in HyperWorks



Populate your Workgroup Material DatabasePro with your CAE material files and product-specific material data



Create analysis-ready material cards



CAE Modeler



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Select model files from your library and click the Altair Hyperworks button



CAE Models



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Confidential Demo Purposes

Databases Tools Search

Upload Model

Create Model

Share

Transfer

Control Access

Altair HyperWorks

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> CAE Model Library

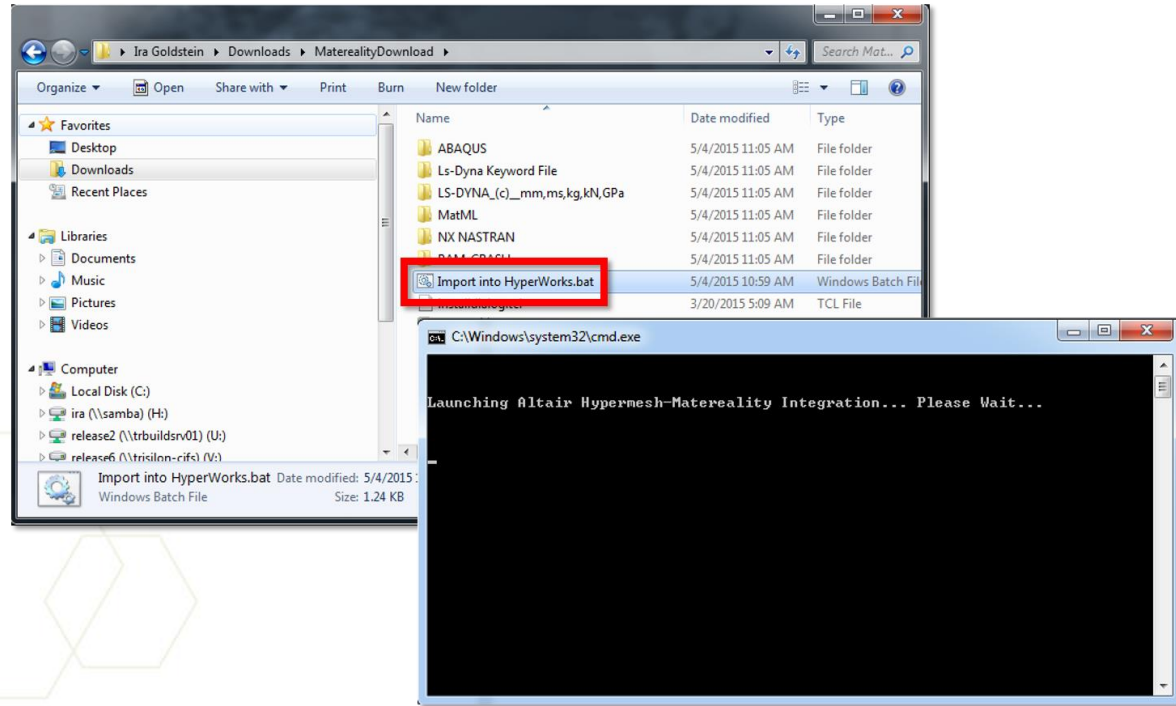
1 to 5 of 5								
Display	10	First	Previous	1	Next	Last		
Actions	Owner	Source	Project Id	Material Name	ModelName	Format	Created	Notes
	laboratory	Matereality		Makrolon 7435	LS-DYNA MAT_024	LS-DYNA (a): m,s,kg,N,Pa	12/10/2014	
<input checked="" type="checkbox"/>	Confidential	Demo Materials		BUTYL 60 Durometer	ANSYS Hyperelastic	ANSYS Workbench	02/09/2015	
<input checked="" type="checkbox"/>	Confidential	Demo Materials		8742K133 PP	LS-DYNA MAT_024	LS-DYNA (a): m,s,kg,N,Pa	02/10/2015	
<input type="checkbox"/>	Confidential	Demo Materials		McMaster Carr ABS PN 8586K161	LS-DYNA MAT_024	LS-DYNA (b): mm,s,tonne,N,MPa	02/26/2015	
<input checked="" type="checkbox"/>	Confidential	Demo Materials		McMaster Carr ABS PN 8586K161	LS-DYNA MAT_024	LS-DYNA (b): mm,s,tonne,N,MPa	02/26/2015	



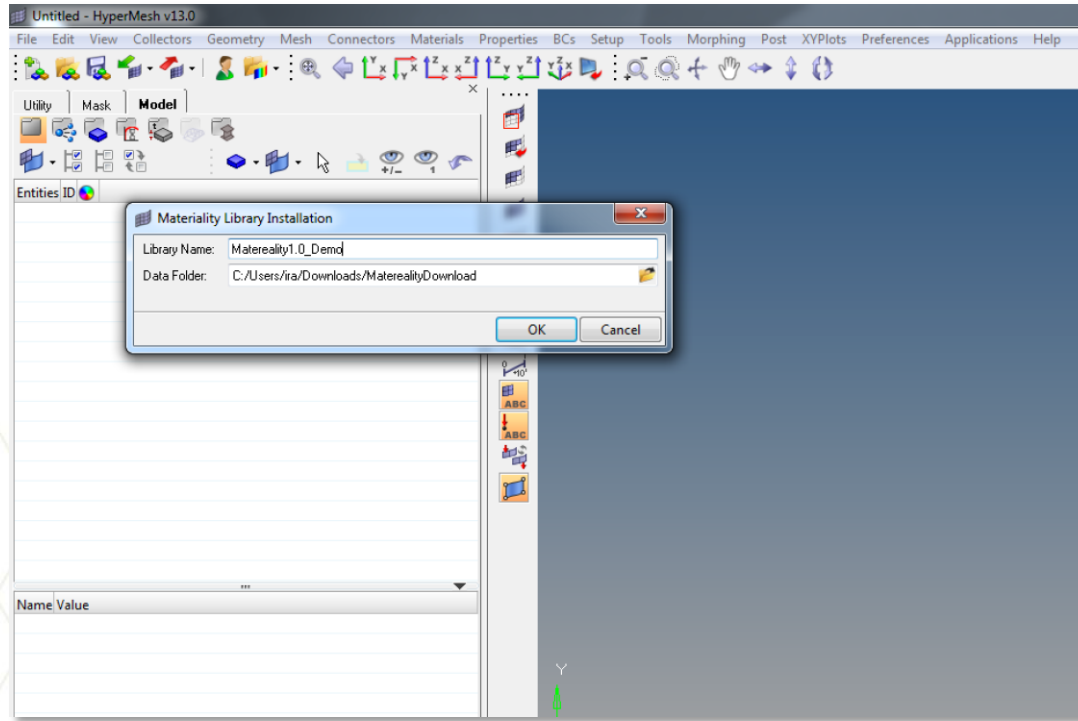
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Launch the Altair HyperWorks-Matereality Integration



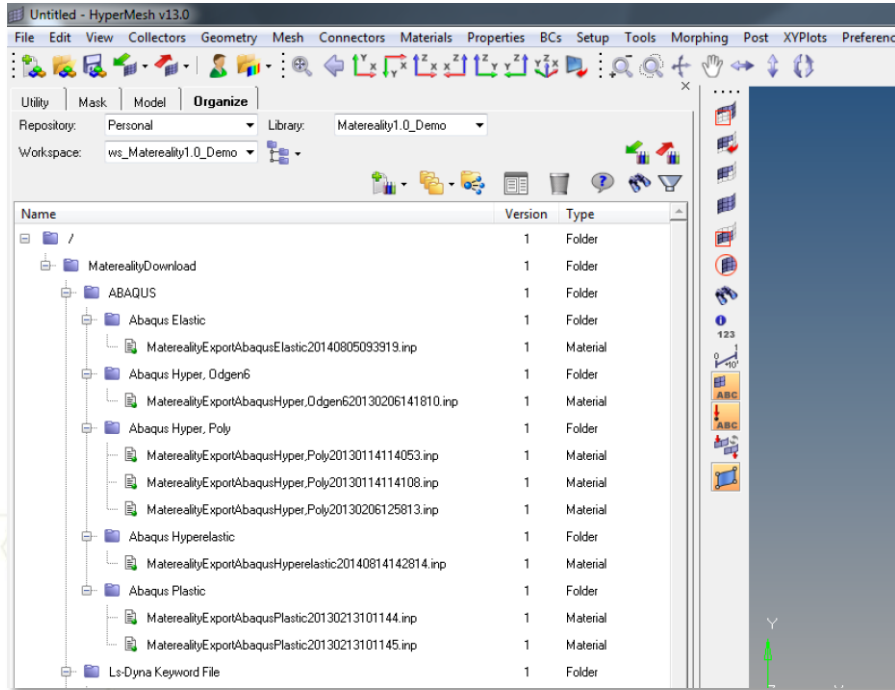
Give the library a name, and select the folder that contains your Master Material models



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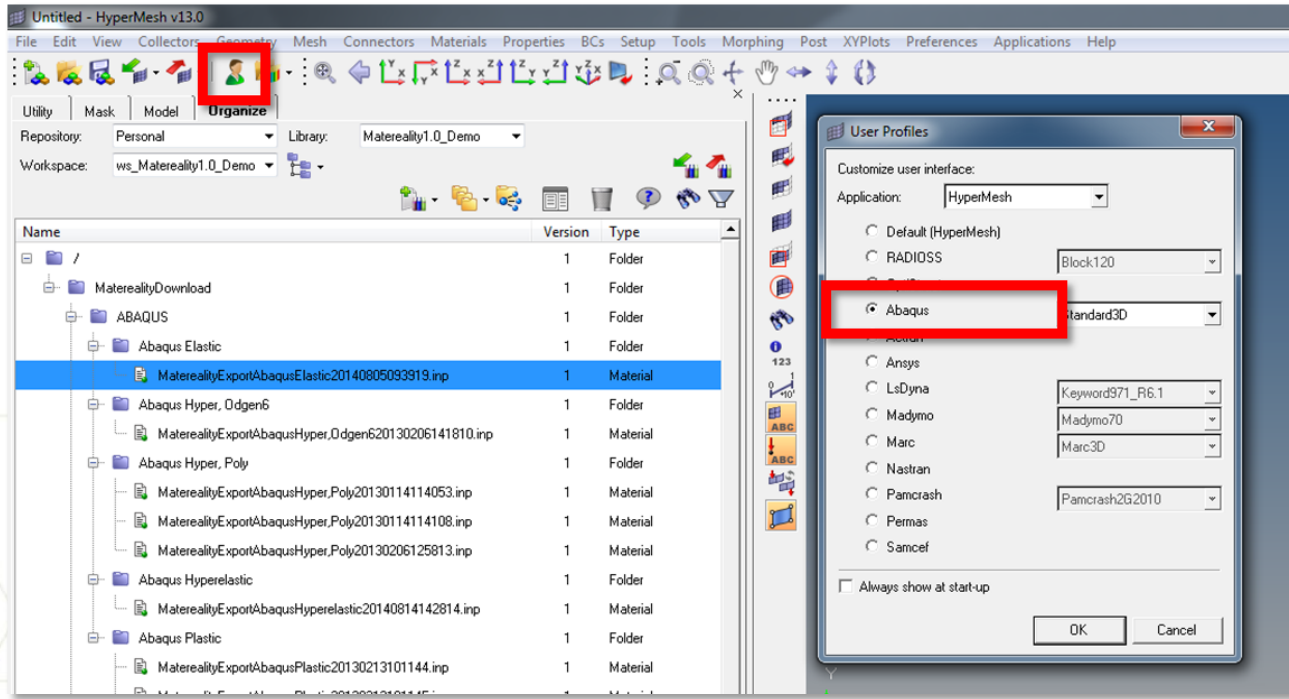


You can now view your master material model files within the HyperMesh Organize browser

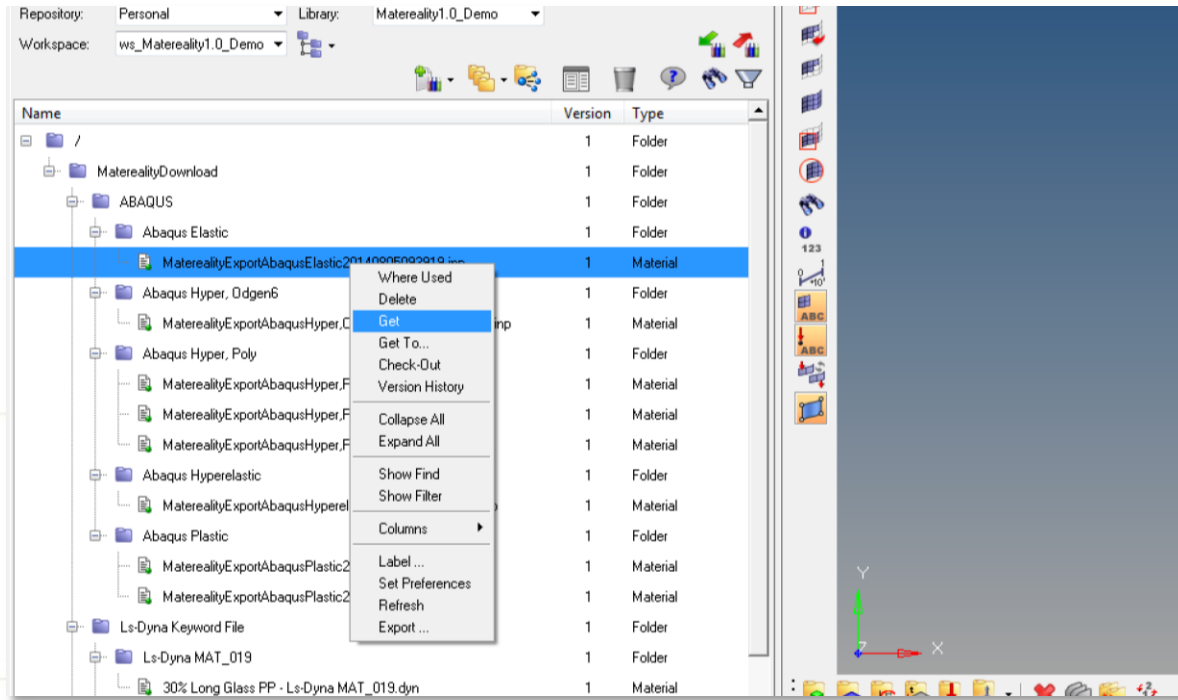


*Note: usable files are categorized as 'Materials' while unusable files are categorized as 'General Files'

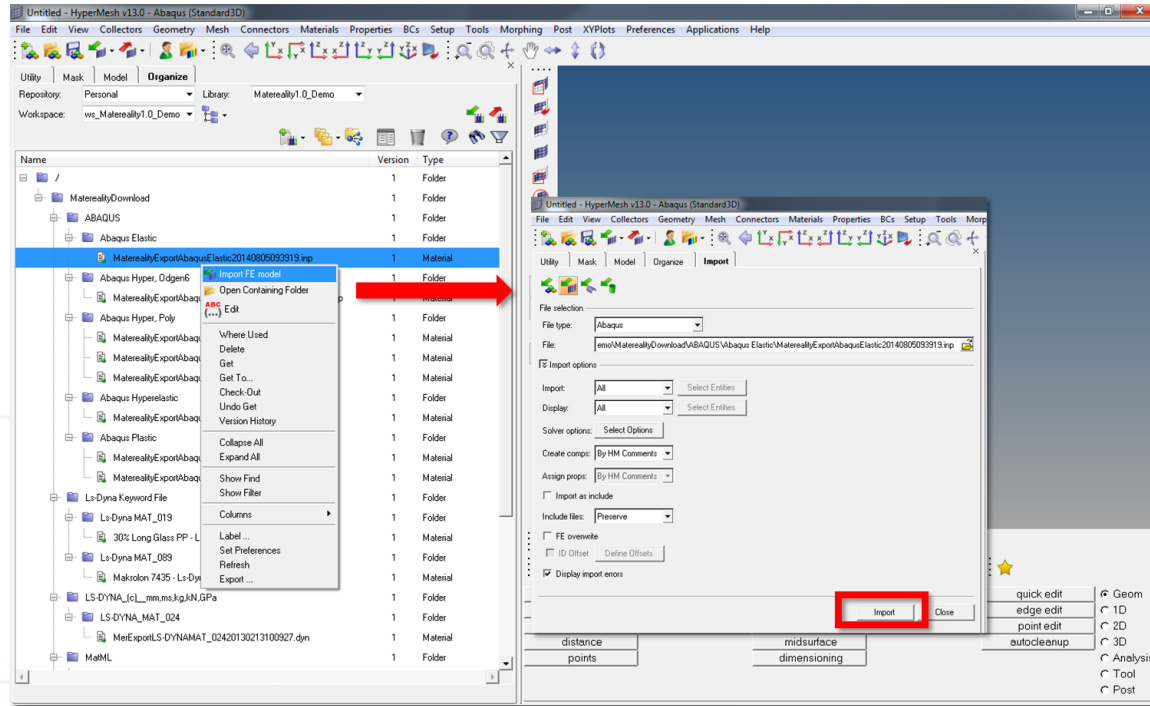
To assign your material to a specific part, start by changing your user profile to your desired solver



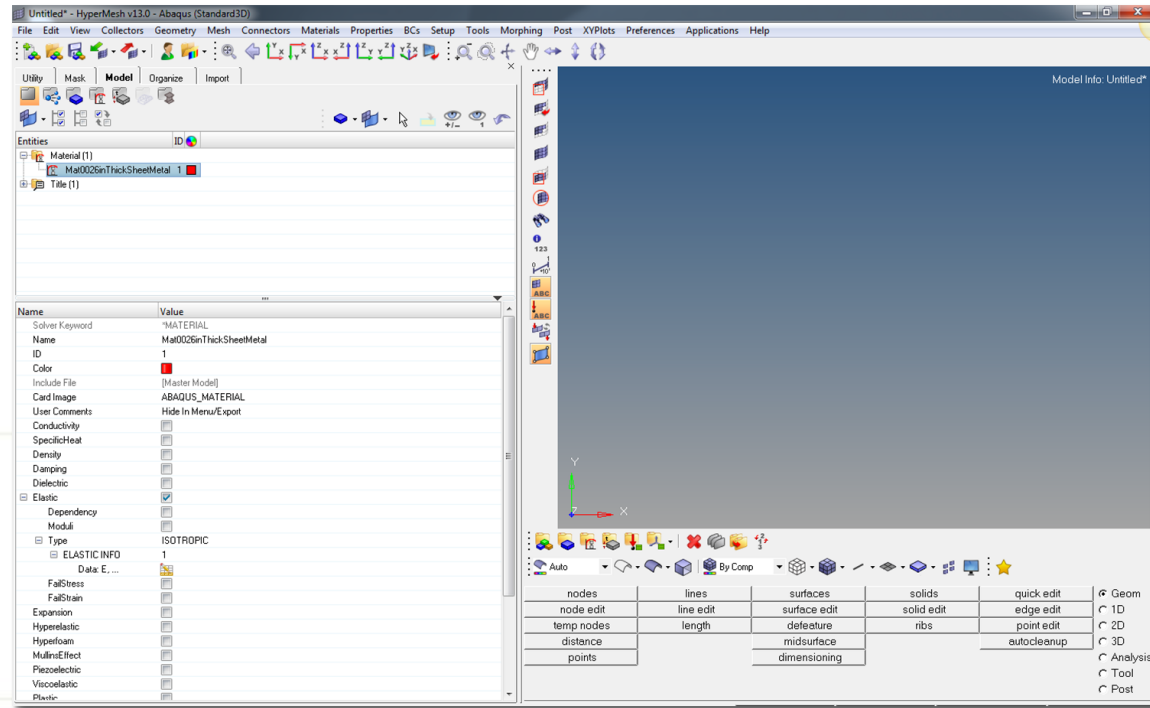
Retrieve the material to your workspace by right clicking and selecting the Get option



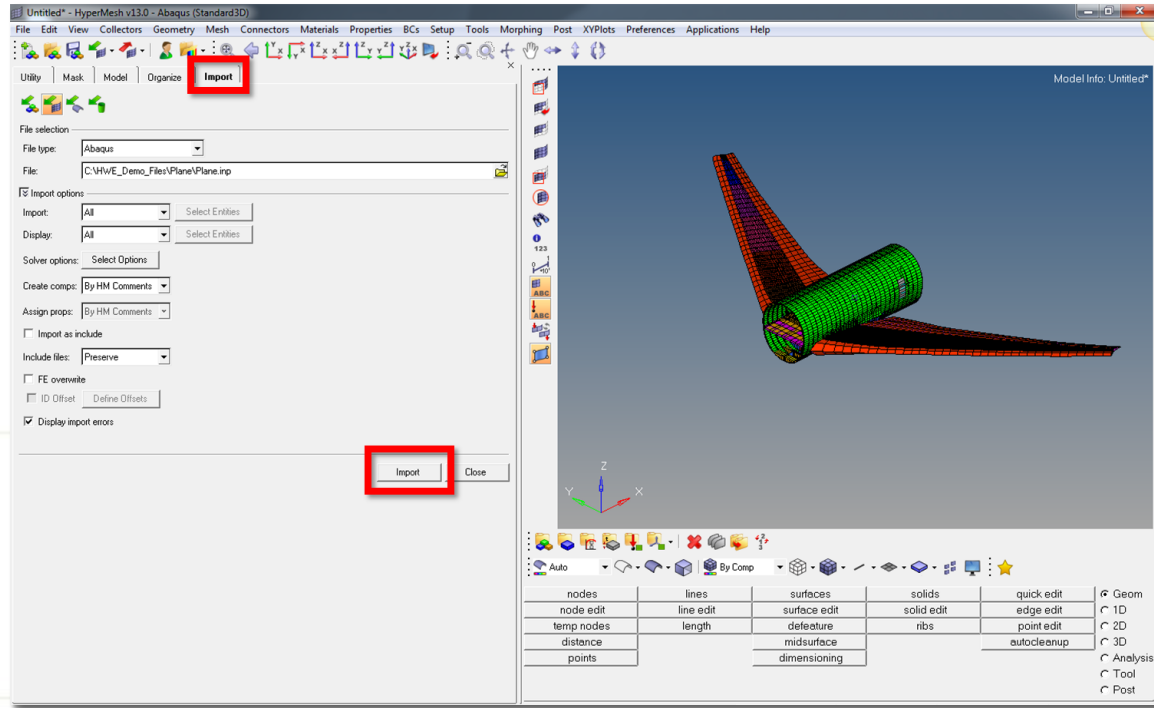
Import the selected file into your session by clicking Import FE model and then Import



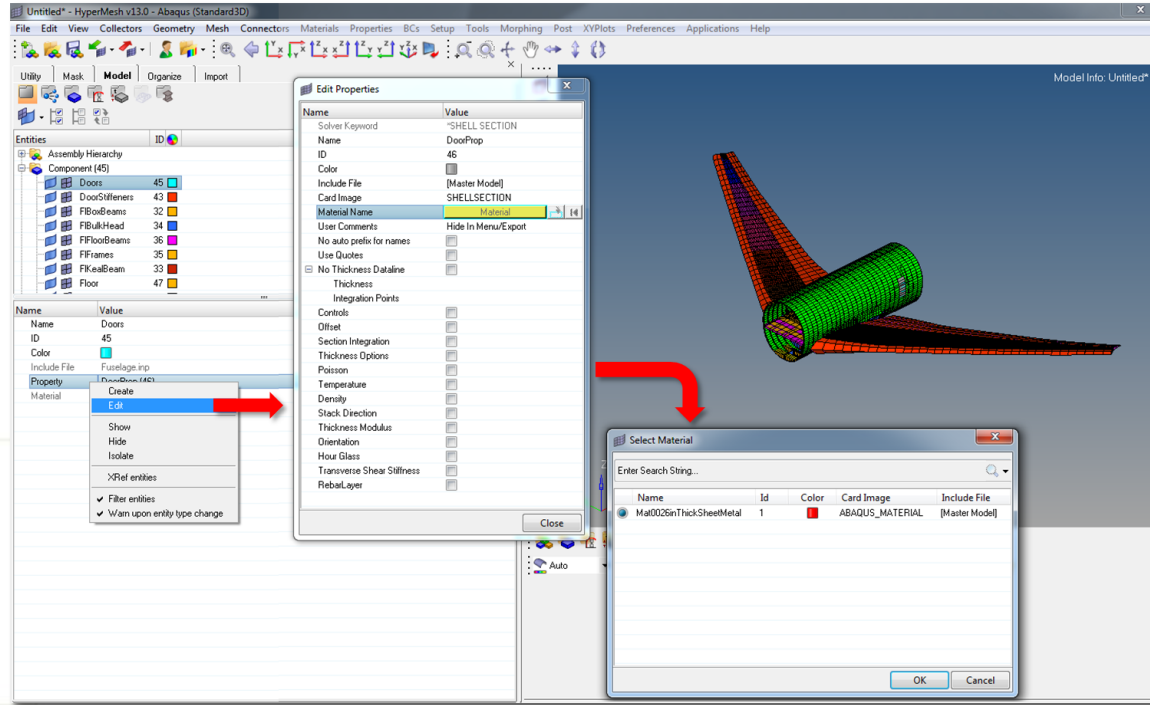
The material and its properties are now available in HyperMesh



Now import the desired part model



Assign the material you imported



You are now using your material as input for your desired solver!

