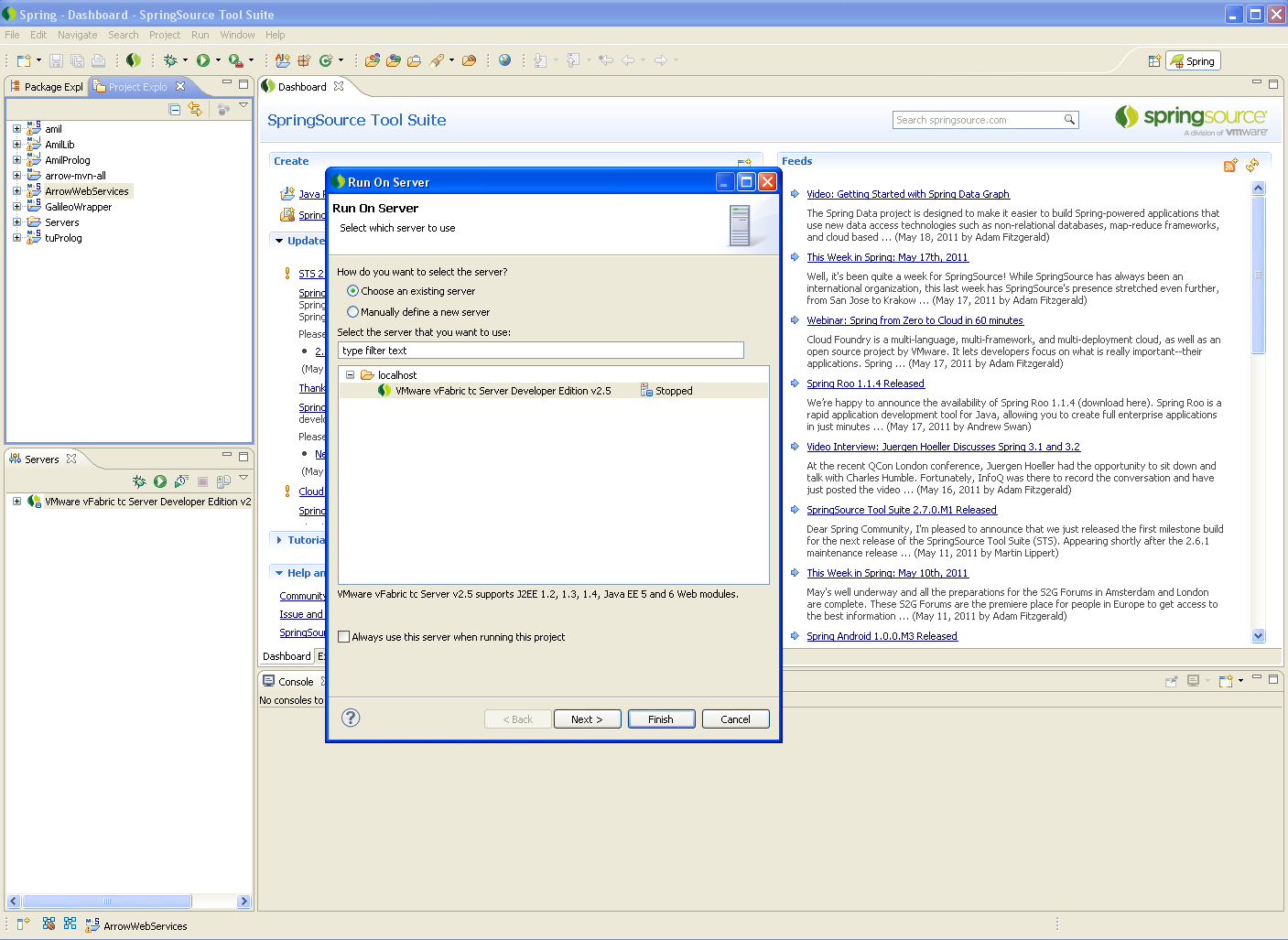
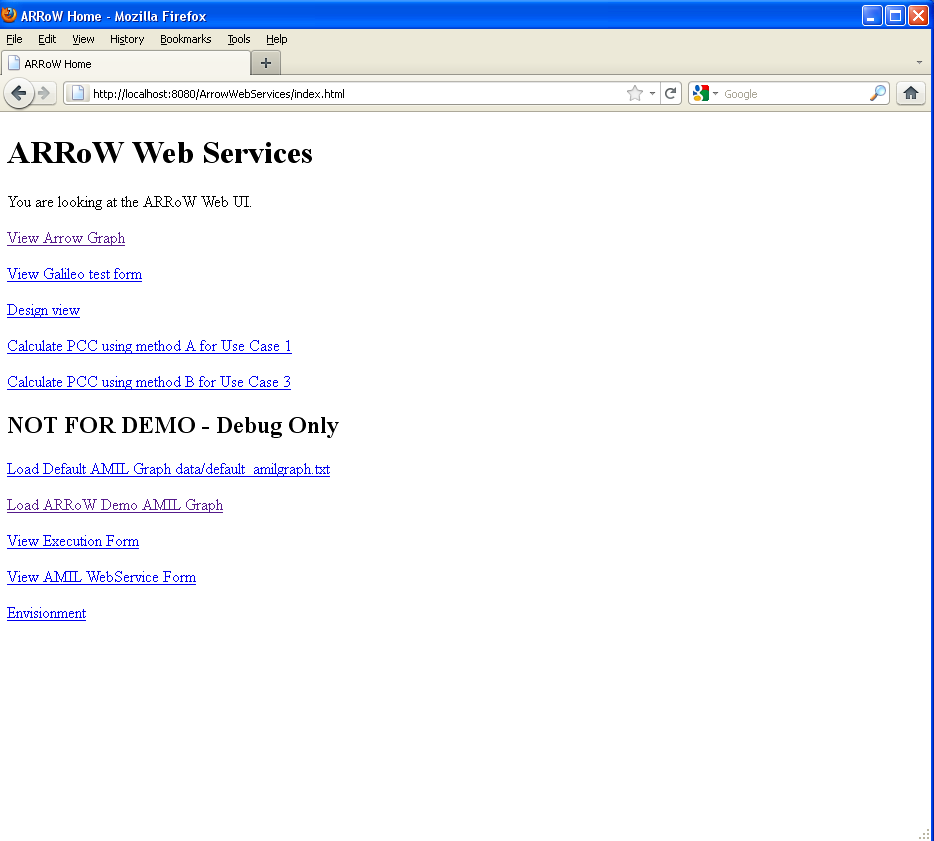
**META May 2011 Demo Script**

**Startup**

1. Power On computer and login to user account (username = user, password = MetaMeta1$)
2. Start SpringSource Toolsuite from Start menu. Allow a minute or so for it to start up
3. If a pop-up message displays indicating a problem Initializing Java Tooling, follow procedure below for **How to Clean and Rebuild**
4. In the Project Explorer window, right click the ArrowWebService package and select Run As -> 1 Run on Server
5. In the Run On Server pop-up window (Figure 0), select Finish. You should see Red and Black text writing out to the Console window and then the Arrow Web Services menu is displayed in a web browser window (Figure 1).

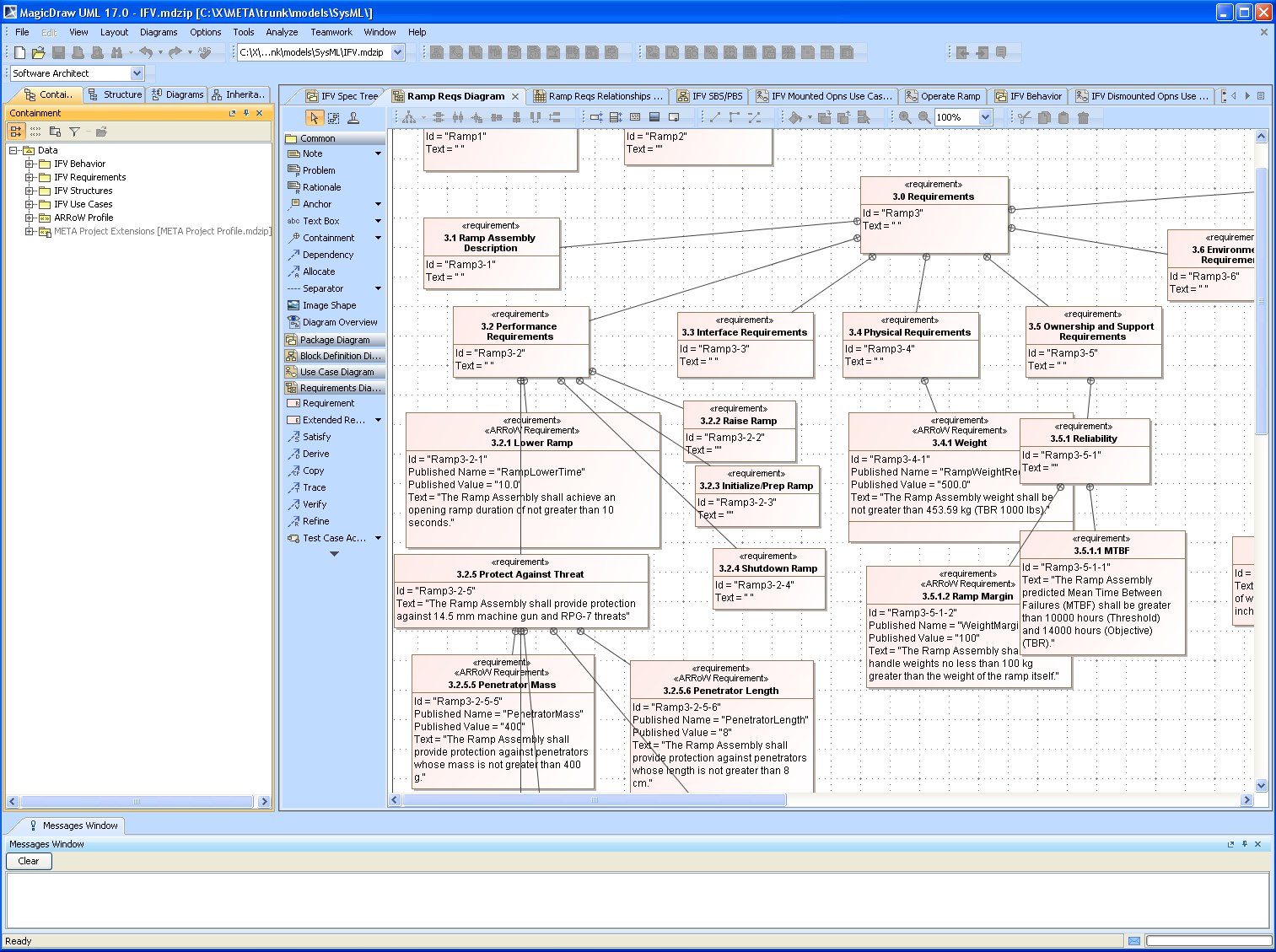


**Figure 0**



**Figure 1**

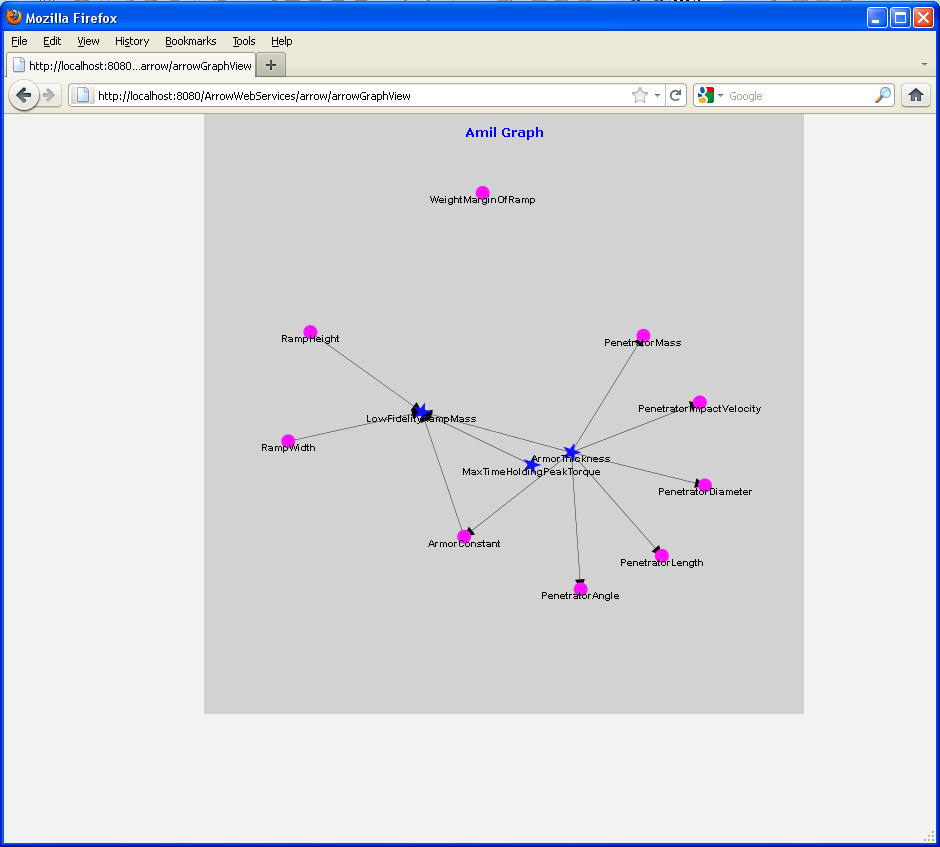
1. Under the NOT FOR DEMO section of the GUI, select Load ARRow Demo AMIL Graph. You should see additional text writing out to the Console window. The last line should indicate “Successfully completed request”
2. You can now Minimize (don’t close) the SpringSource Toolsuite window
3. Start Magic Draw UML from the Start menu
4. From Magic Draw, load IFV.mdzip from Recent Files. The Ramp Requirements diagram should display (Figure 2)



**Figure 2**

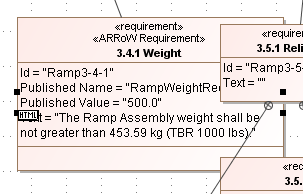
**Running Demo**

1. From Arrow Web Services menu, select View Arrow Graph (Figure 3). *What we are showing here is that the requirements have not yet been injected into the Amil Graph.*



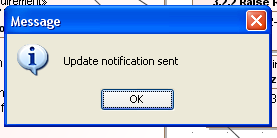
**Figure 3**

1. Select the browser’s Back Arrow button to return to the Arrow Web Services menu
2. From Magic Draw, single click twice on the Published Value 500.0 field (Figure 4) and change it to 1000.0



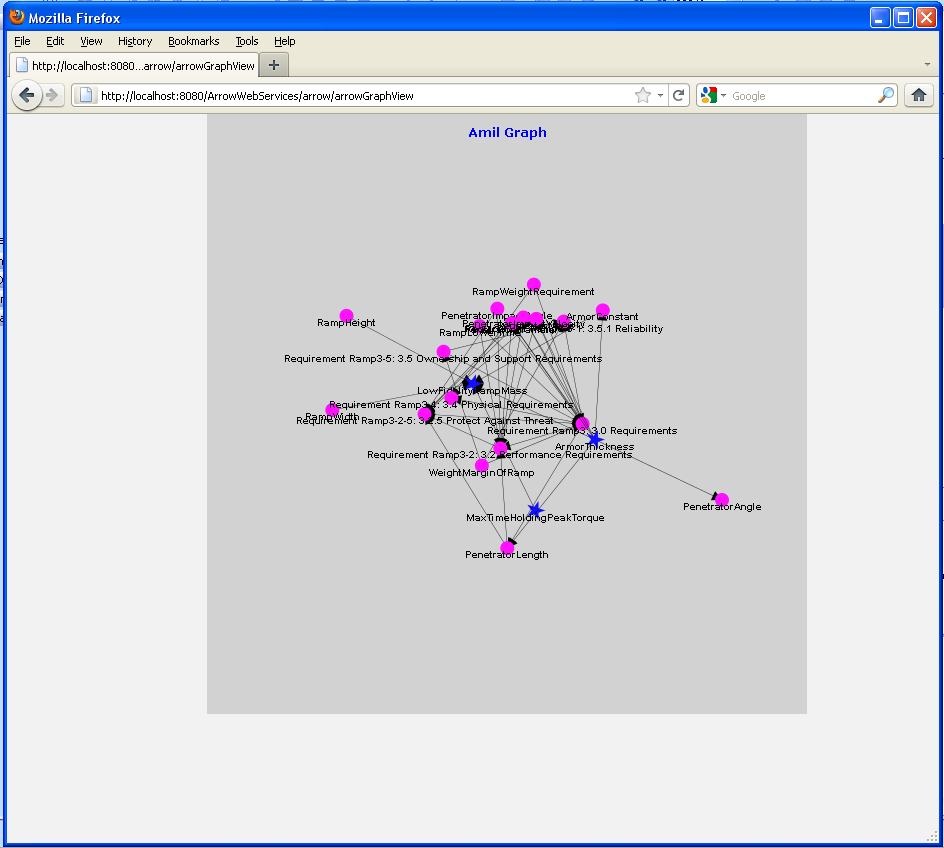
**Figure 4**

1. From Magic Draw, select File->Save Project As then select foo. When pop-up message indicates that it already exists, select Yes to replace. An Update Notification message popup should display (Figure 5)

****

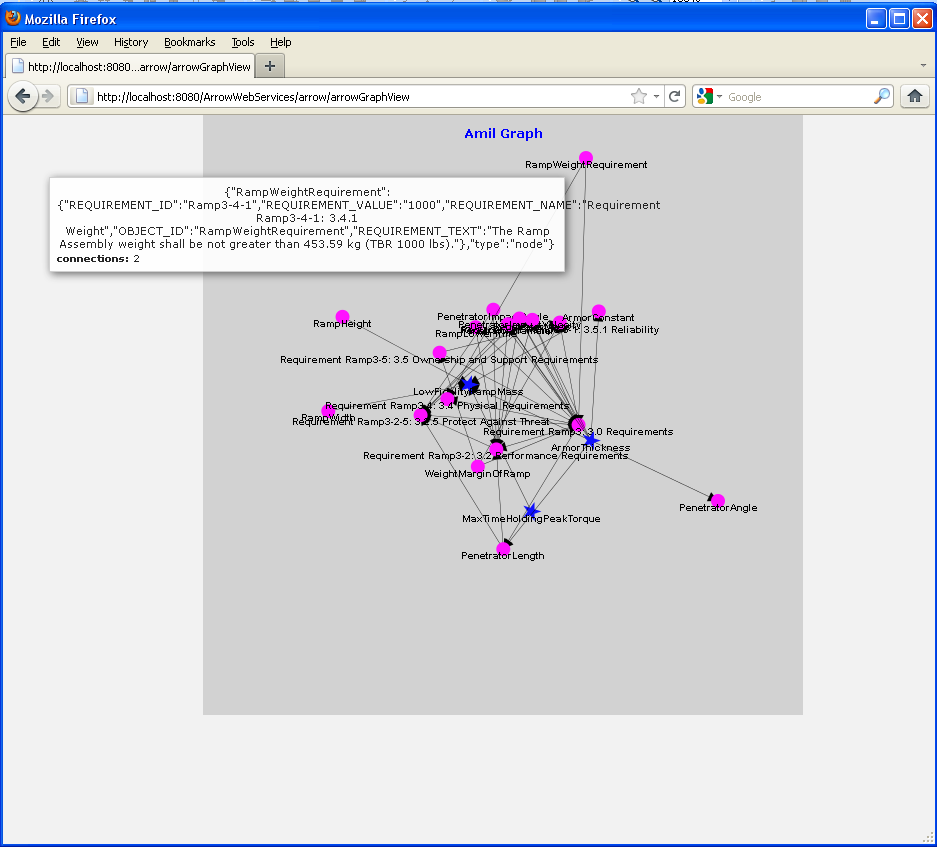
**Figure 5**

1. Select OK in Update Notification message popup. *This publishes the updated requirements to the Amil Graph*
2. From Arrow Web Services menu, select View Arrow Graph (Figure 6). *The graph should be more complicated now.*

****

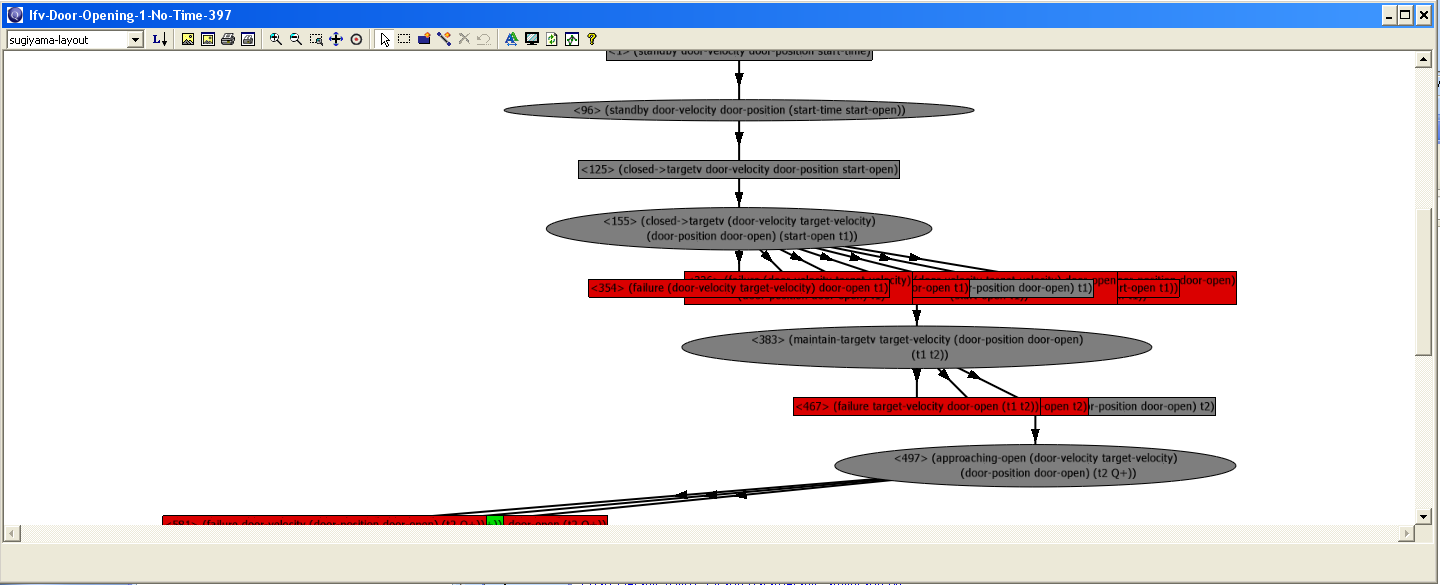
**Figure 6**

1. From the Amil Graph, locate the pink circular node named RampWeightRequirement (it may be necessary to drag nodes out of the way to find it). Hover the cursor over the node (Figure 7). *Note that it calls out the changed value of 1000.0*



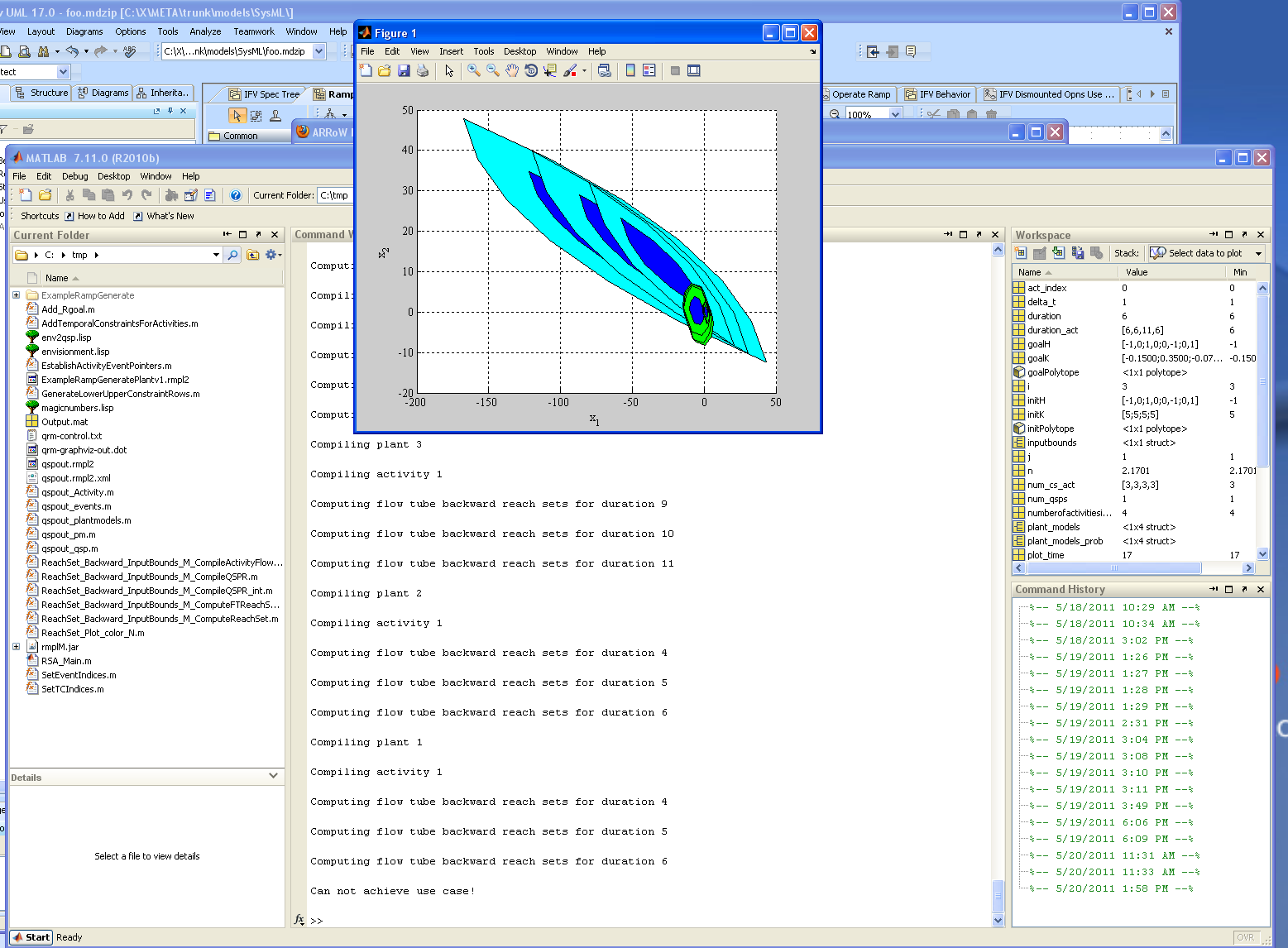
**Figure 7**

1. Select the browser’s Back Arrow button to return to the Arrow Web Services menu
2. From Arrow Web Services menu, select Calculate PCC using method A for Use Case 1. *This will run LISP to generate the Envisionment*
3. Close the Envisionment window (Figure 8). This will start MATLAB. MATLAB run will take several minutes the first time



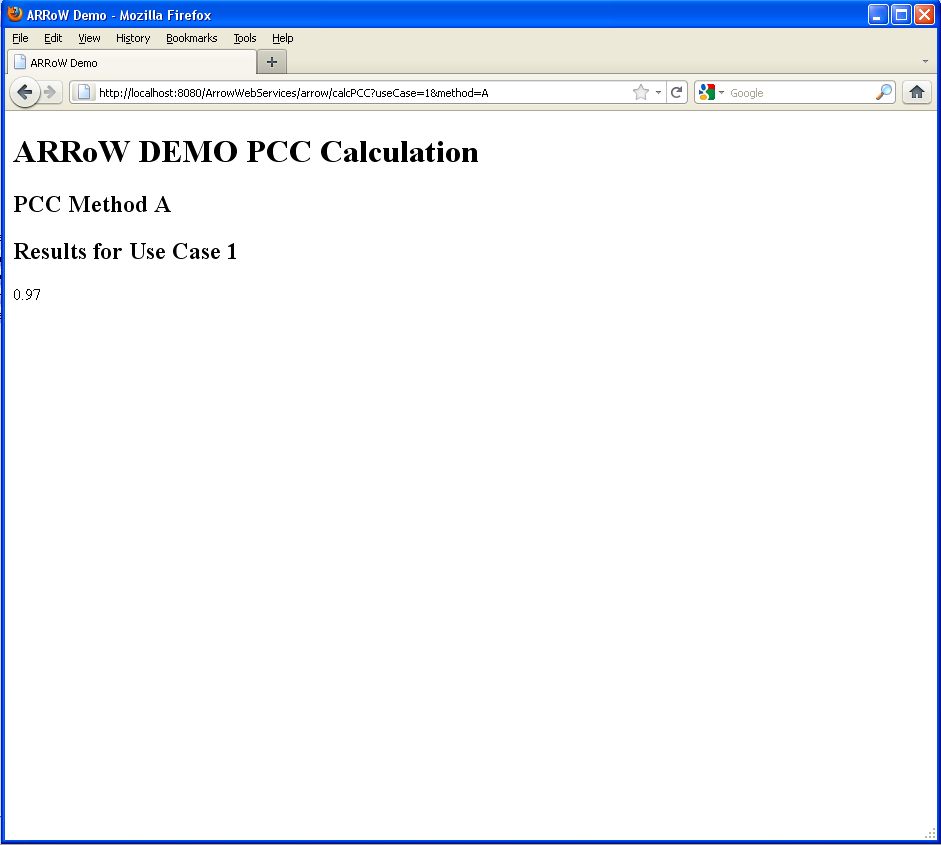
**Figure 8**

1. The Flow Graph window will appear and images will be generated (Figure 9), and then the window will disappear



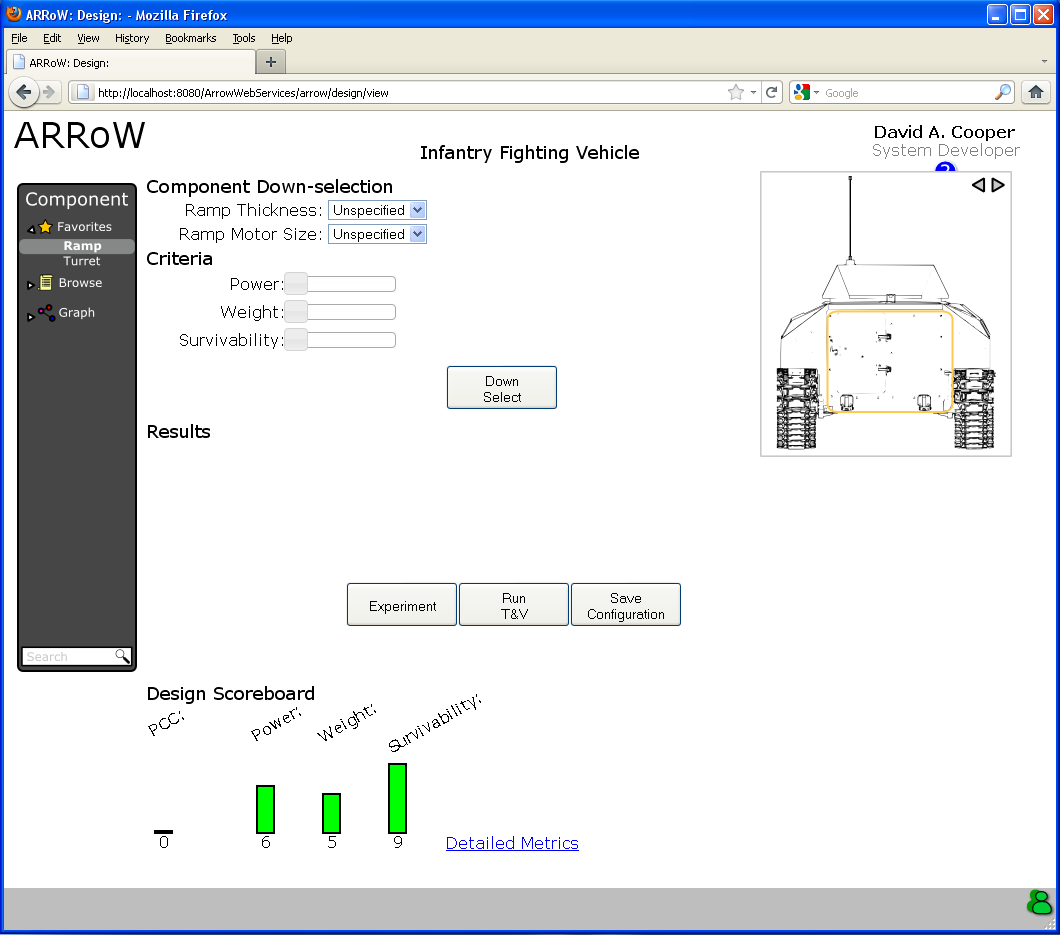
**Figure 9**

1. The PCC calculation resulting value of 0.97 will display in the Arrow Web Services menu. *This shows an end-to-end run from requirements to PCC.*

****

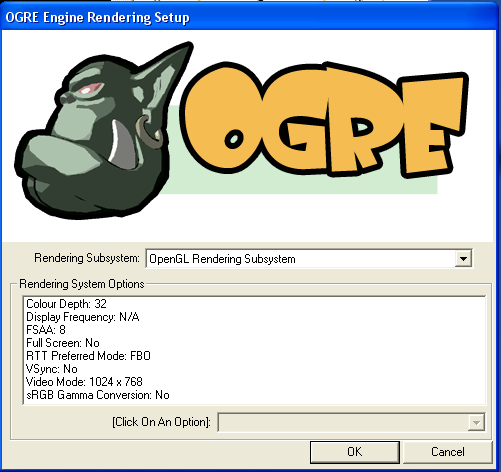
**Figure 10**

1. Select the browser’s Back Arrow button to return to the Arrow Web Services menu
2. From Magic Draw, single click twice on the Published Value 1000.0 field and change it to 1500.0
3. From Magic Draw, select File->Save Project As then select foo. When pop-up message indicates that it already exists, select Yes to replace. An Update Notification message popup should display
4. Select OK in Update Notification message popup
5. From Arrow Web Services menu, select Calculate PCC using method A for use case 1
6. Close the Envisionment window. This will start MATLAB. MATLAB will run faster the 2nd time
7. The Flow Graph window will appear and images will be generated, and then the window will disappear
8. The PCC calculation resulting value of 0.58 will display in the Arrow Web Services menu
9. From Magic Draw, click on Published Value 1500.0 and set it back to 500.0
10. From Magic Draw, select File->Save Project As then select foo. When pop-up message indicates that it already exists, select Yes to replace. An Update Notification message popup should display (Figure 5)
11. From Arrow Web Services menu, select Design View, the Design View window will display (Figure 11)

****

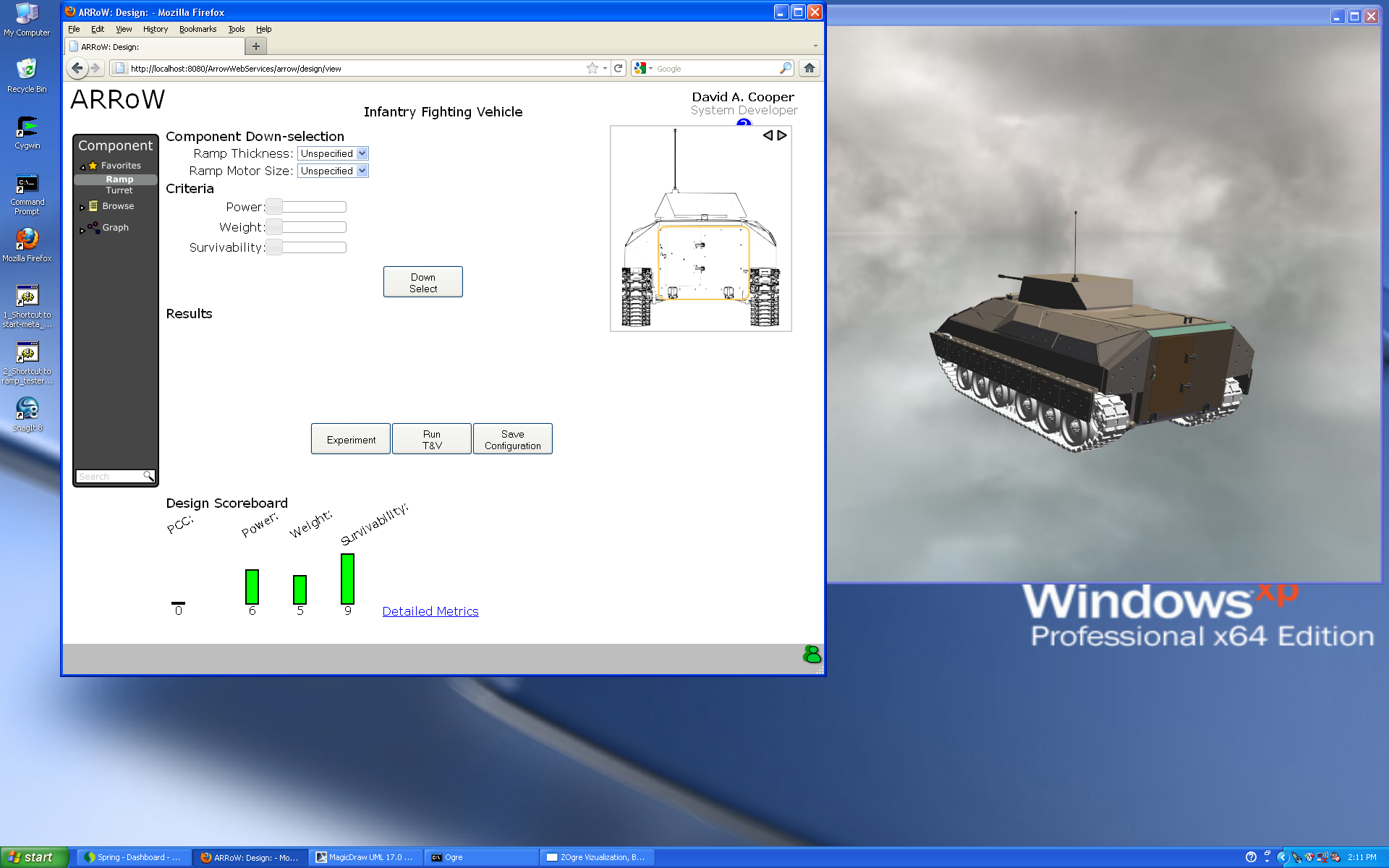
**Figure 11**

1. Launch the desktop shortcut 1\_shortcut to start-meta\_ifv.bat, this will display the OGRE startup window (Figure 12)

****

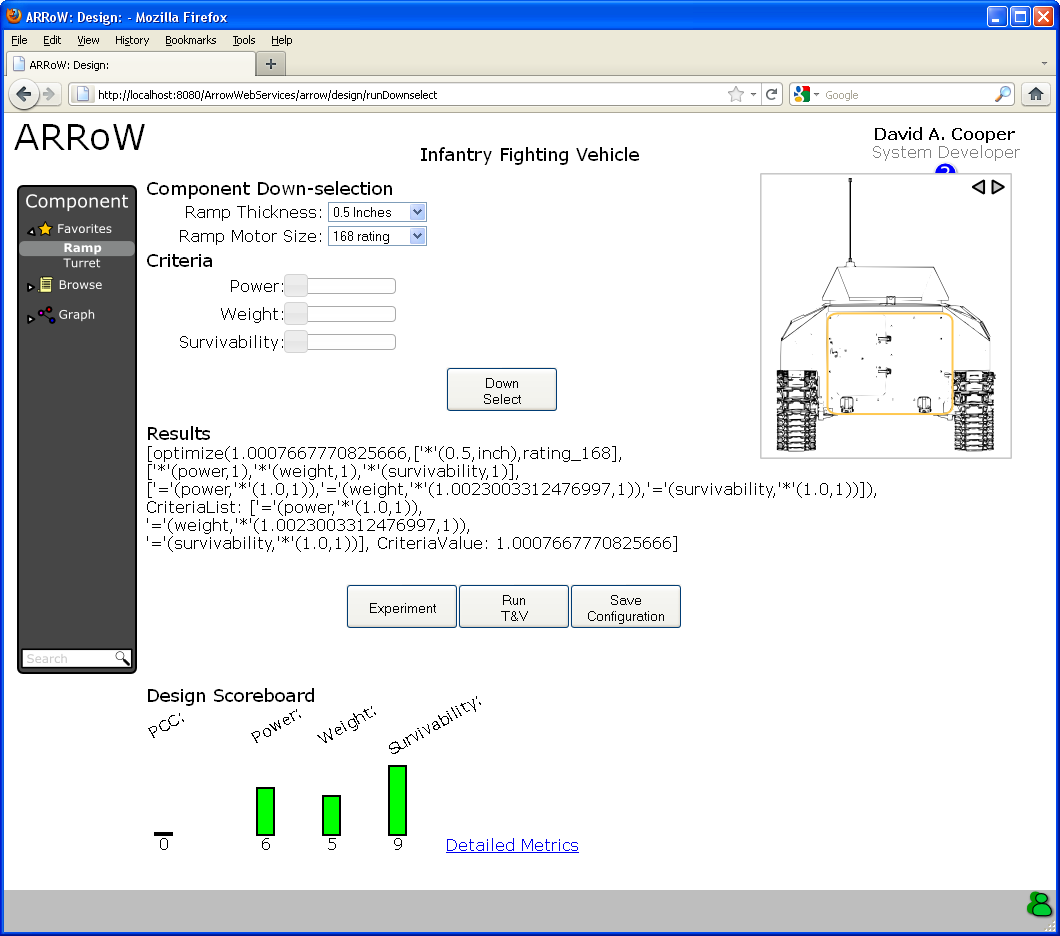
**Figure 12**

1. Click OK on the OGRE startup window
2. Arrange the windows so that the fighting vehicle and Design View window are both visible, with the Design View window in front (Figure 13)

****

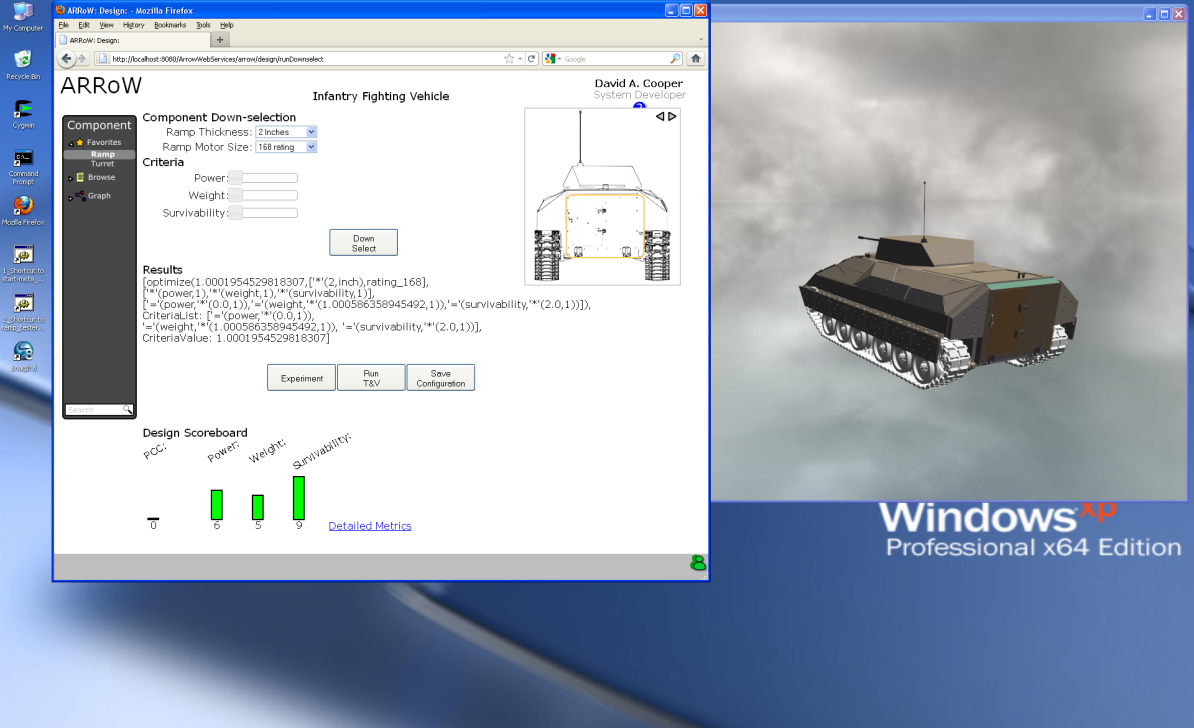
**Figure 13**

1. In the Design View window, note that the Criteria sliders have no impact
2. From the Design View window, select 0.5” for Ramp Thickness and select 168 rating for Ramp Motor Size, then select the Down Select button. The criteria should display (Figure 14)

****

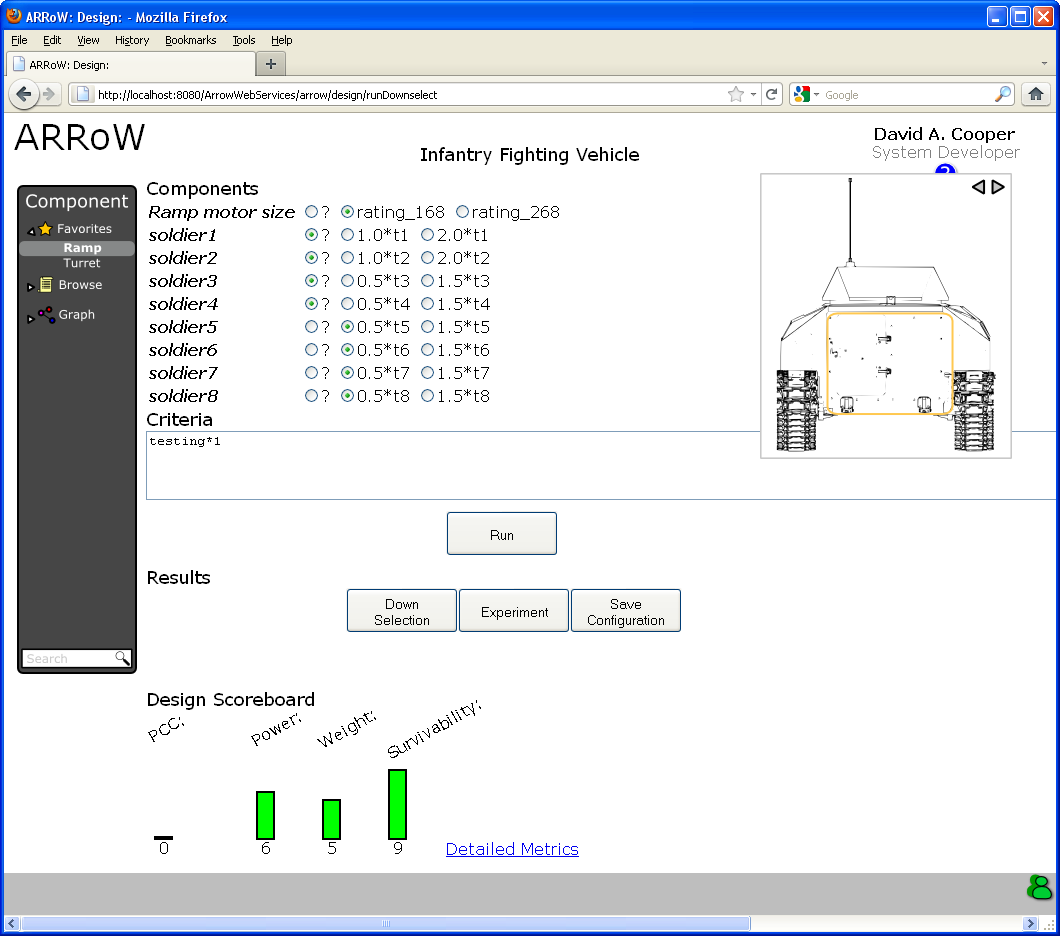
**Figure 14**

1. From the Design View window, select 2.0” for Ramp Thickness and select 168 rating for Motor Size, then select the Down Select button. The criteria should change (Figure 15)

****

**Figure 15**

1. From the Design View window, select the Run T&V button, this displays a list of components (Figure 16)

****

**Figure 16**

1. Pick the first 4 soldiers to be ‘?’ and then select the Run button. This causes a series of montecarlo simulations to run resulting in the ramp to open and close in the OGRE display and showing footsteps of exiting soldiers
2. The End

**How to Clean and Rebuild**

* In the Project Explorer window, select all projects and then select F5 to refresh the projects. Refresh should take a few seconds, see progress bar in bottom right portion of the SpringSource Toolsuite window
* From the menu, select Project->Clean. After the clean operation executes, a build will automatically kickoff. This will take several seconds, see progress bar in bottom right portion of the SpringSource Toolsuite window