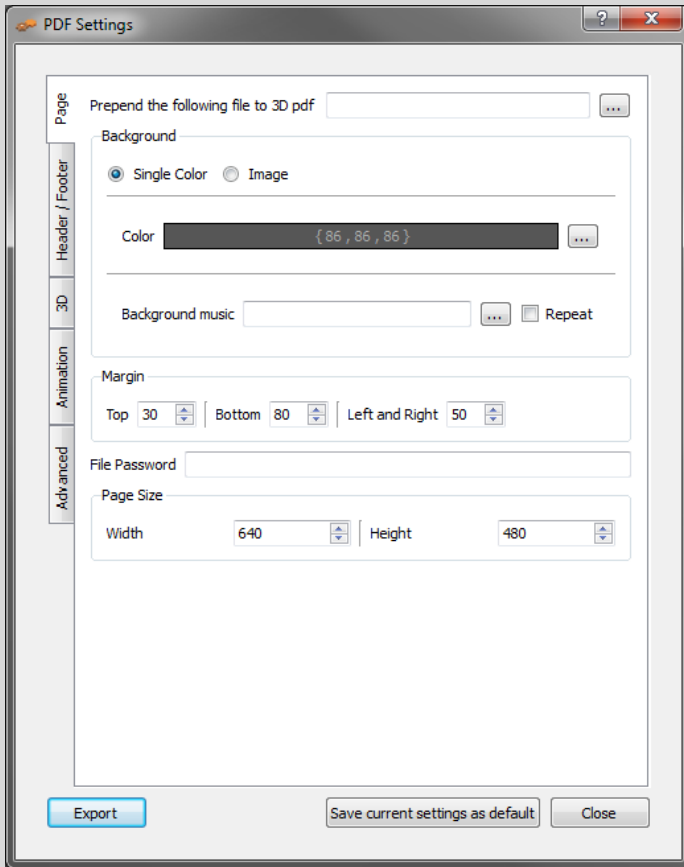




# 3D PDF Settings

3D PDF Settings dialog enables the user to control the generated 3D PDF file. The dialog can be opened by clicking the PDF settings menu.

## Page Settings

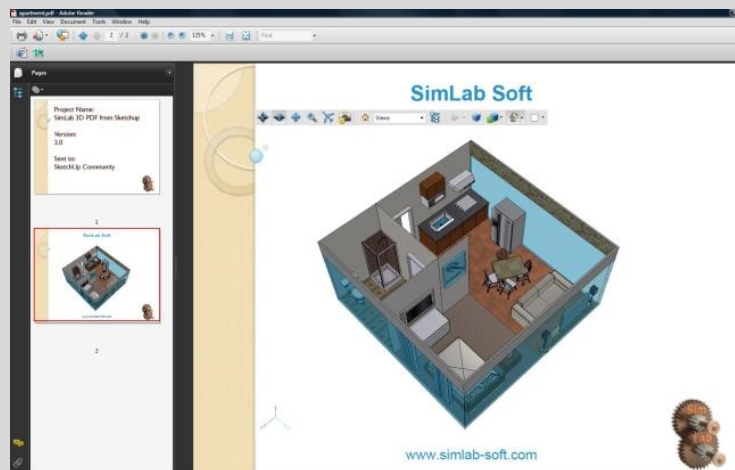


**Prepend the following file to 3D PDF:** this option is used for appending two PDF files together. This can be used to append a 3D model to a company's header, or a project description available in PDF format. PDF files can be generated using different programs, such as; Acrobat, WinWord, PowerPoint, or Open Office.

**Background:** This option controls the appearance of the section of the PDF document out of the 3D area. The user can set the background to be either of a single color, or to be an image. The **Scale To Fit** option is available if the image needs to be scaled to fit the background area.

**Background music** option is available for users to add music, in '\*.mp3' format, to the created 3D PDF files. Selected music will be automatically played while the 3D PDF file is open, the file recipient can optionally turn off the music. Checking the **Repeat** option will cause the mp3 file to automatically repeat itself. The selected mp3 file will be automatically embedded inside the 3D PDF file.

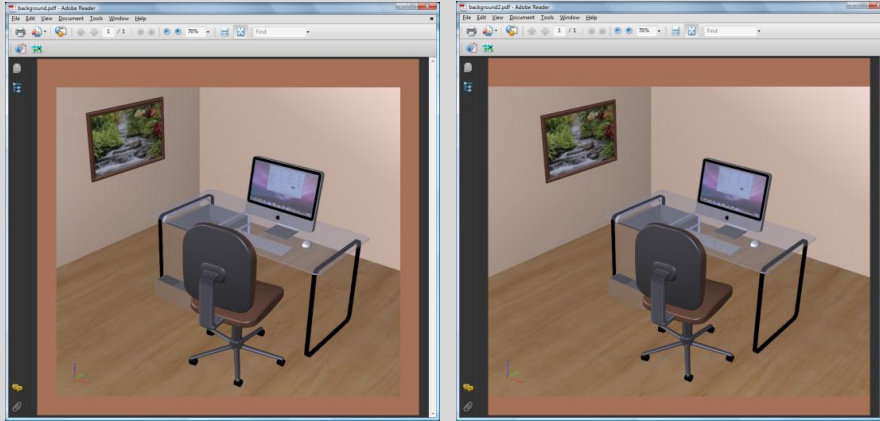
The following example shows a 3D PDF file added to an existing PDF template file.



**Margins** of the 3D PDF page determine the 3D model area.

## SimLab 3D PDF Settings

In the left image, left and right margins were set to 40, while in the image on the right both left and right margins were set to 0.

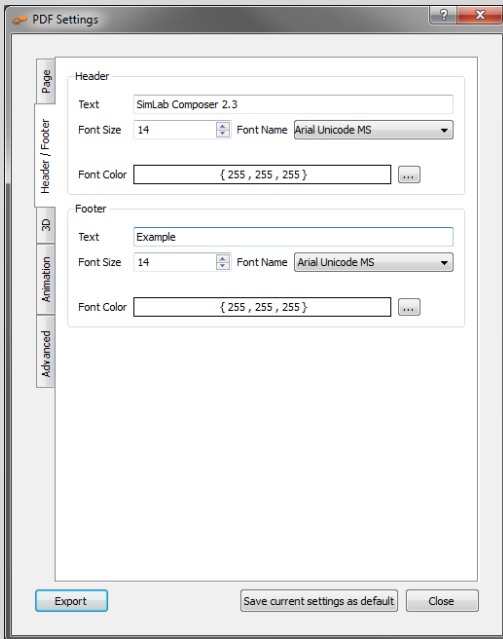


**File Password:** using the optional password will protect the contents of the generated 3D PDF file; the recipient will need to use the password to view the 3D PDF file.

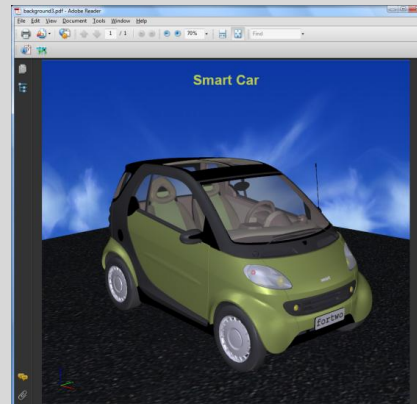
**Page Size** setting enables the user to input the required page size of the created 3D PDF file.

### Header/Footer Settings

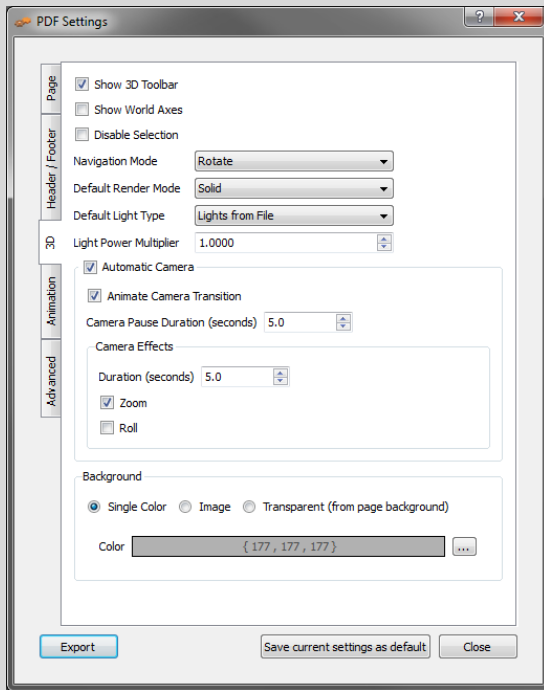
The user can use the header/footer settings to input text, color, font, and font size for both header and/or footer for the created 3D PDF file.



In the image below a header was added to the generated file. This file was created by selecting the **Image** option in the **Background** setting, under Page tab. For the image to cover the 3D model's area the **Transparent** option was selected in 3D tab.



## 3D Settings



**Show 3D Toolbar:** shows or hides the 3D toolbar in Acrobat reader when opening the 3D PDF file.

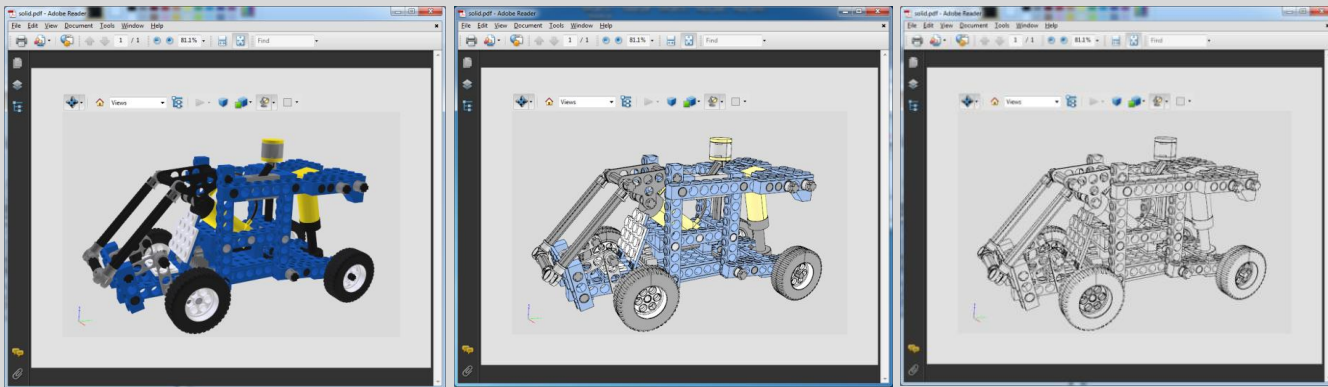
**Show World Axes:** shows or hides the world access in the lower left part in the 3D PDF file.

**Disable Selection:** disables or enables selection of geometries in the 3D PDF file.

**Navigation Mode:** the user can set the default navigation mode when opening the 3D PDF file to be one of the following **rotate**, **spin** or **walk**. **The user of the 3D PDF file can choose to change this default mode inside the 3D PDF file.**

**Default Render Mode:** using this option, the user can select the default render mode to be one of the following (Solid, Solid Wireframe, Transparent, Transparent Wireframe, Illustration, Shaded Illustration, Solid Outline, or Bounding Box).

The following images show the same model using different render modes.



**Default Light Type:** light type can be one of the following **white**, **day**, **night**, **bright**, **CAD optimized**, **cube**, **head lamp**.

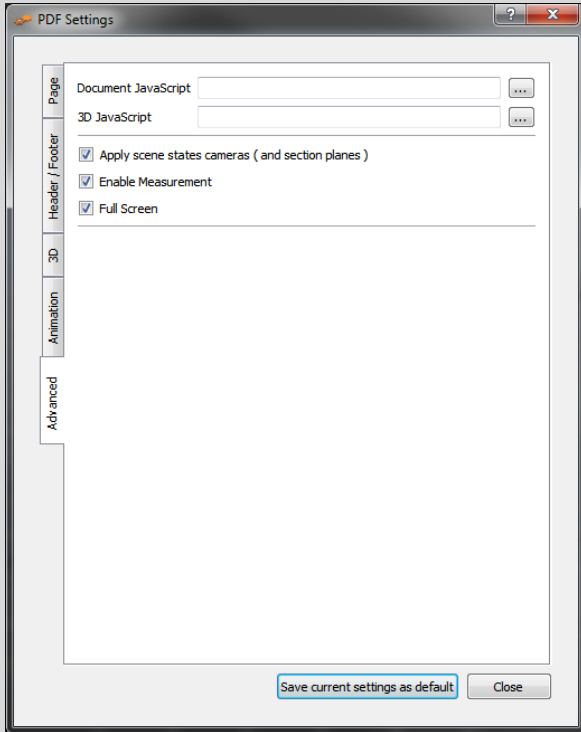
**Light Power Multiplier:** increasing this value increases the brightness of the generated 3D PDF file.

**Automatic Camera:** This option enables automatic switching between the different cameras in the scene. When automatic camera is enabled, the user can select the **Camera Pause Duration**, which is the time in seconds for which the camera will stand still before camera effect starts.

The user can select the **camera effect** to be **zoom**, **roll** or the two combined. The camera effect will take place for the **camera effect duration**.

**Background** option controls the appearance of the 3D area. The user has the option to set the background to either a single color, or an image. If the user wishes the 3D area to use the same background used in the page settings, he can select the **Transparent** option.

### Advance settings



Advanced users can use those settings to insert Java scripts to control both, the PDF document, and the included 3D model.

Details about Java script support in 3D PDF files can be found at <http://www.adobe.com/devnet/acrobat/javascript.html>

Using advanced settings the user can Enable/Disable measurements in the generated 3D PDF file. And make the 3D PDF file start in Full screen mode if needed.