A blue grid pattern covers the top half of the page, fading out towards the bottom.

# RvmTranslator Manual

## V3.0

Change Log		
Version	Date	Remarks
RvmTranslator1.0	20150422	1. Standalone program to export PDMS model to STEP, IGES, STL .etc. by RVM file. Use this to replace the ModelDataExchangeAddin. 2. The RvmTranslator only rely on RVM file, it has no relation with PDMS SP12.0 or SP12.1. 3. The RvmTranslator only can parse ASCII text RVM files.
RvmTranslator2.0	20150504	1. Thanks to SudoSky, RvmTranslator can parse binary RVM files.
RvmTranslator2.1	20150818	1. Improve performance for STEP translation; 2. Finish parse all the primitive shapes in RVM file;
RvmTranslator2.2	20151107	1.Support 3D OBJ file export;
RvmTranslator3.0	20151205	1.Enable multiple RVM files translation;

## Copyright

RvmTranslator - Translate PDMS RVM to STEP, IGES, STL, PDF,etc.  
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## Introduction

AVEVA Review is a powerful 3D visualization tool for large complex plant and marine models. With features such as walk-through, animation, and high-quality photo-realistic images, AVEVA Review lets you analyse designs and communicate complex ideas easily.



Figure 1. 3D Visualisation for design, installation, operation & maintenance

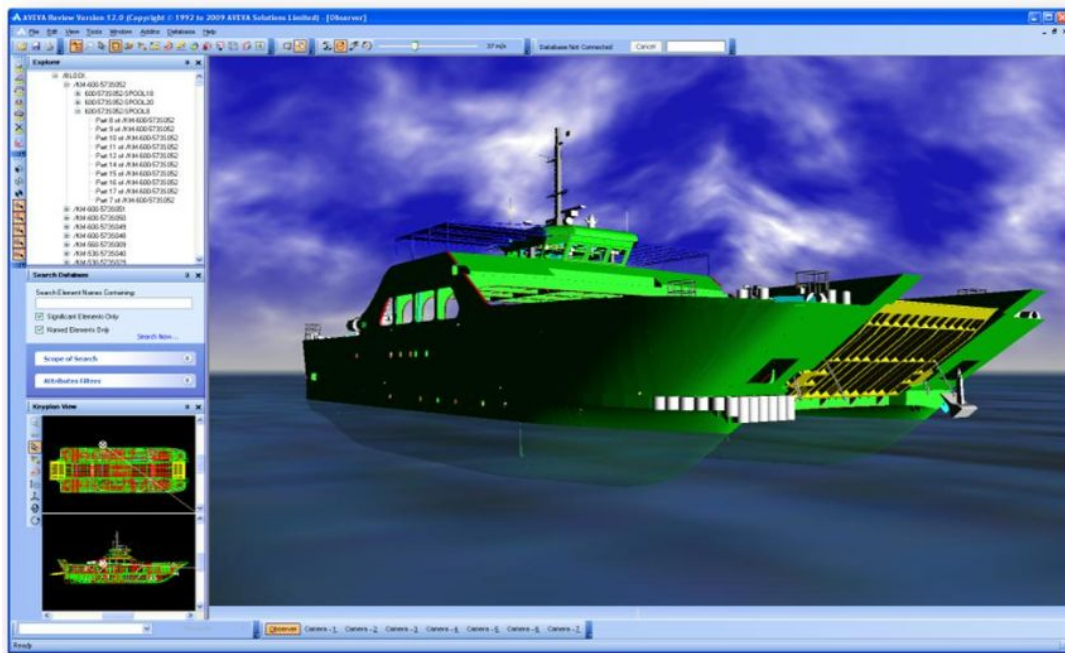


Figure 2. High quality graphical realism for plant and ship design

AVEVA Plant/Marine can export RVM file for AVEVA Review, so the RVM file contains all the geometry information. The RvmTranslator can read RVM file and translate to STEP, IGES, STL, etc 3D file format. And so RvmTranslator can be used to exchange model data with other CAD software, such as Autodesk, Solidworks, Pro/e, etc.

## RvmTranslator Usage

RvmTranslator can translate PDMS RVM to STEP, IGES, STL, PDF, etc. The usage of RvmTranslator is easy, after you download the RvmTranslator, run RvmTranslator by RvmTranslator.bat, and input the RVM file name and the export file type, such as STEP, IGES, STL, that's all!

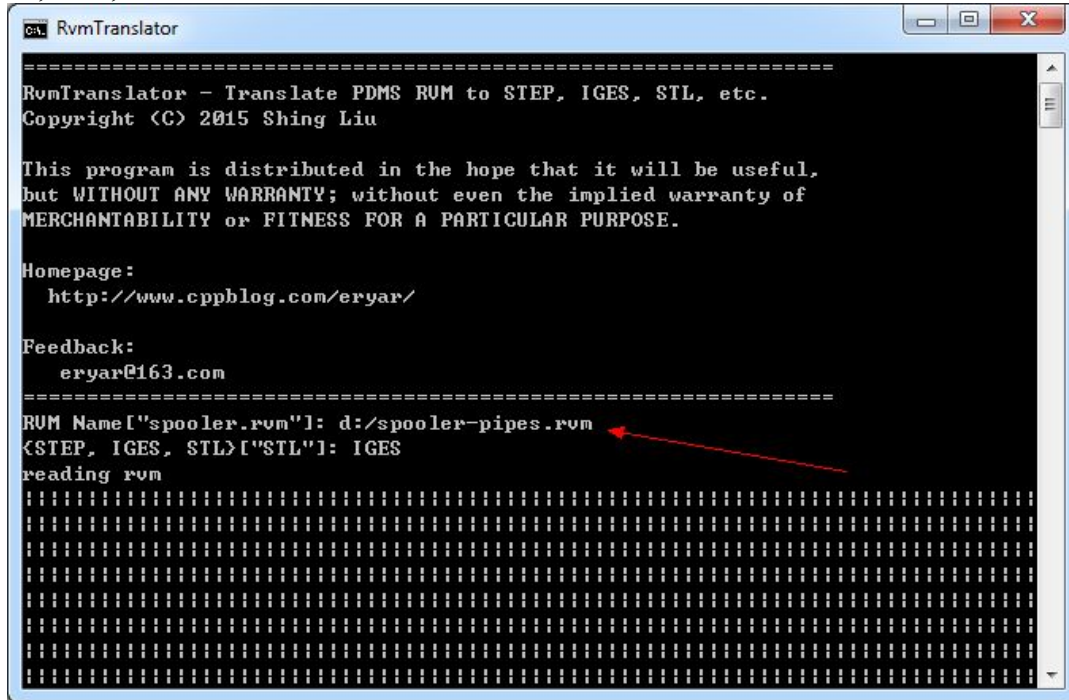


Figure 3. RvmTranslator Usage

For multiple RVM translation, just input their names separated by space,

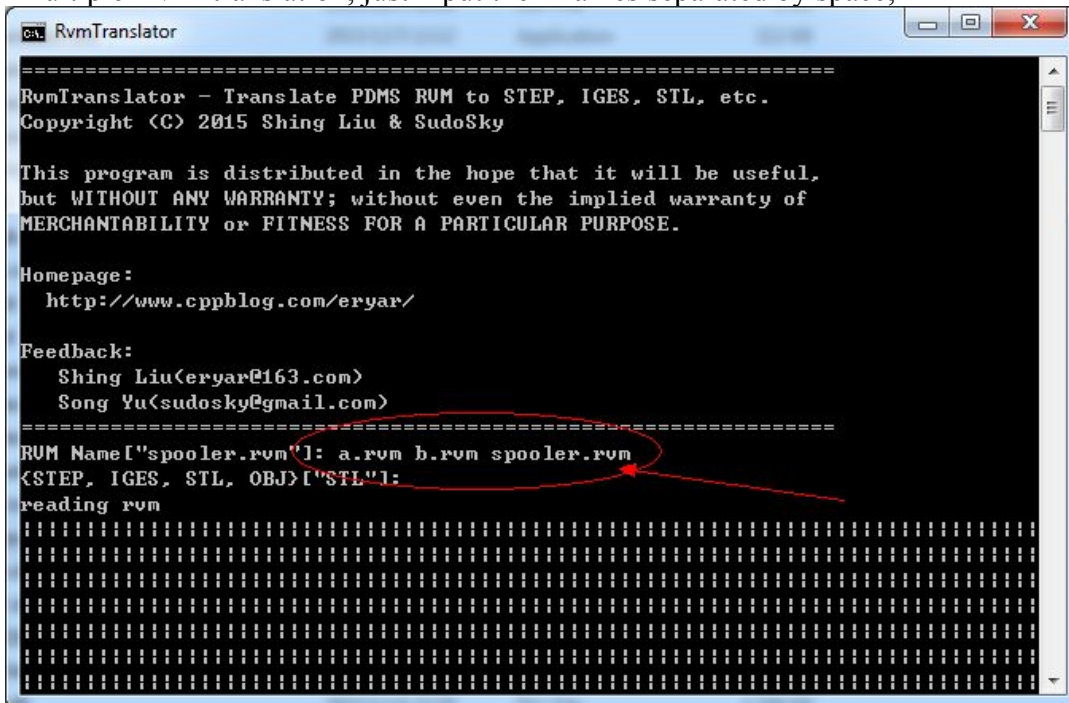


Figure 4. Translate Multiple RVM files



## Show Off

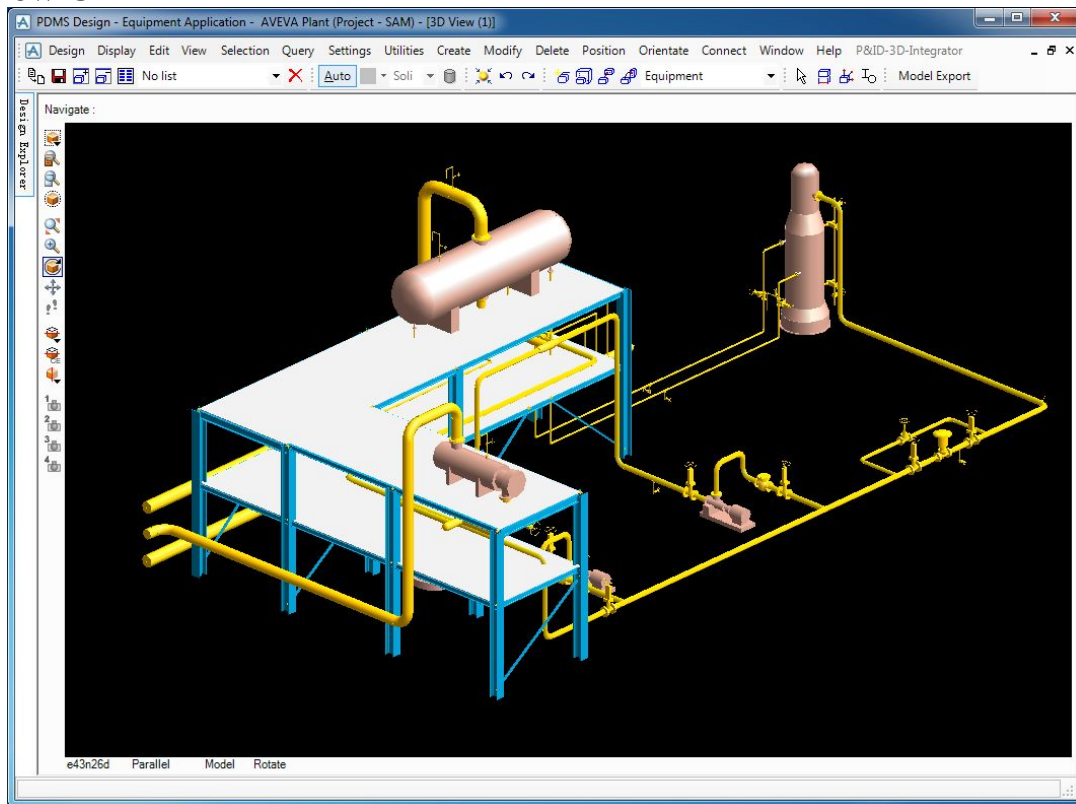


Figure 5. Plant model in AVEVA Design

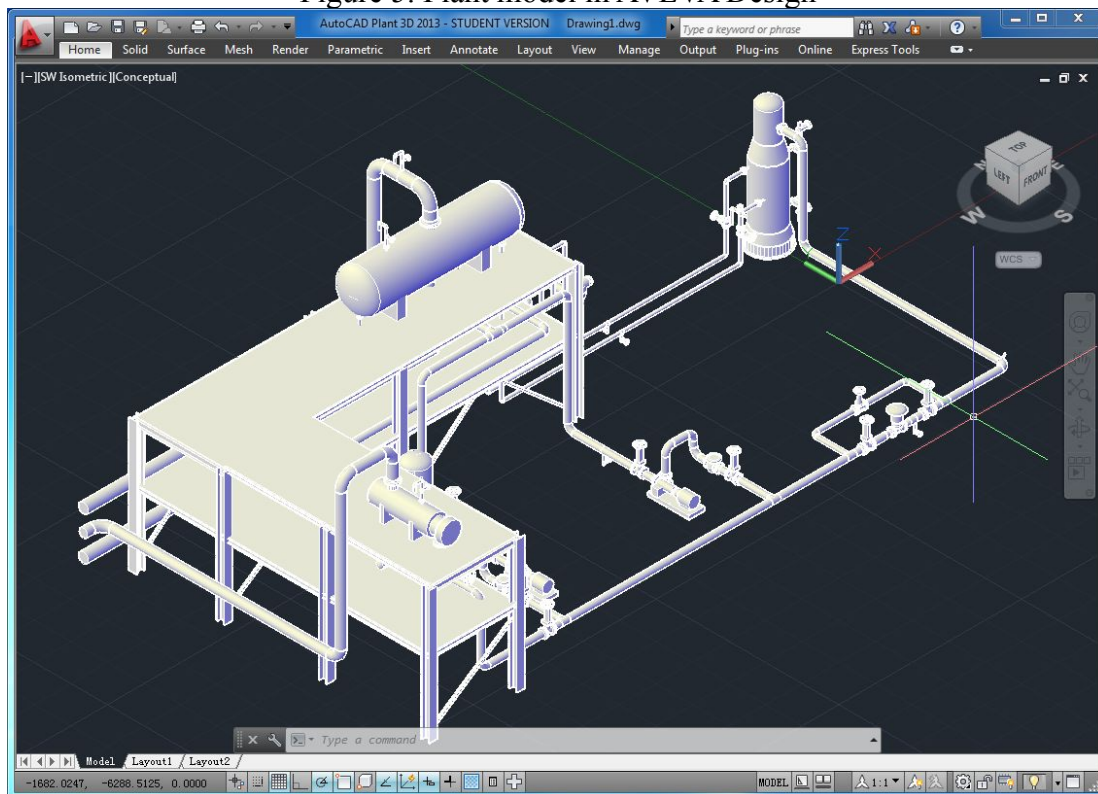


Figure 6. Import Model to AutoCAD

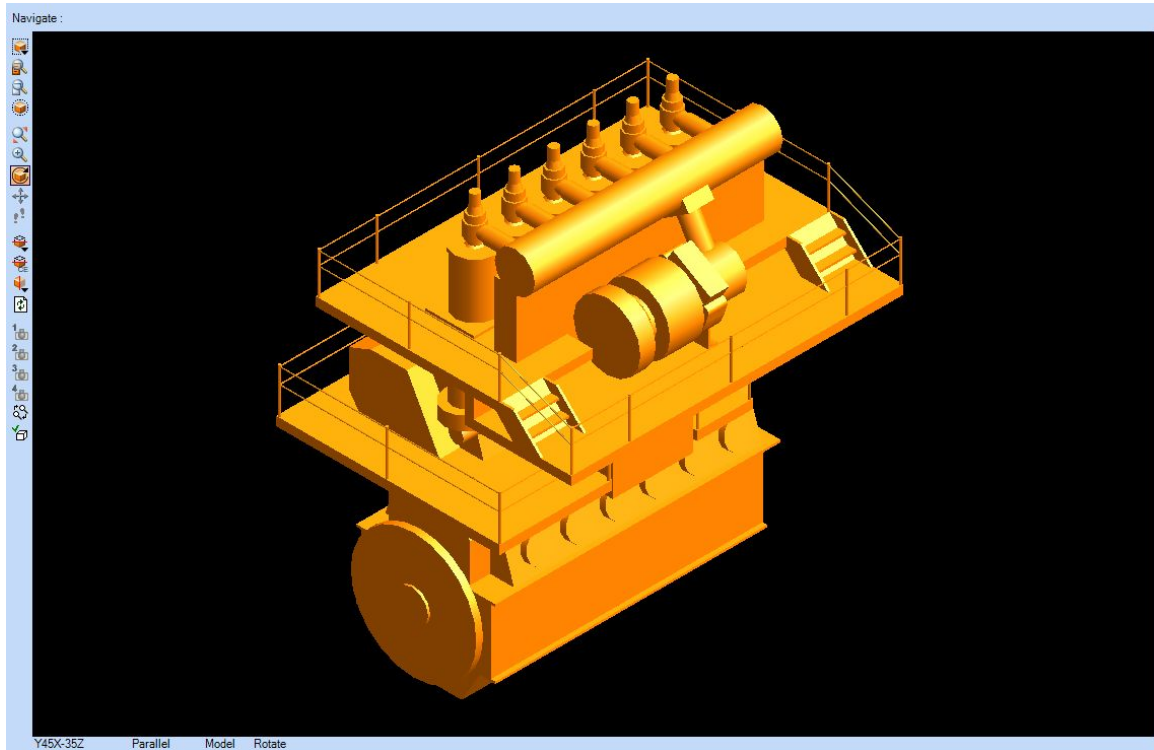


Figure 7. Main Engine in AVEVA Marine

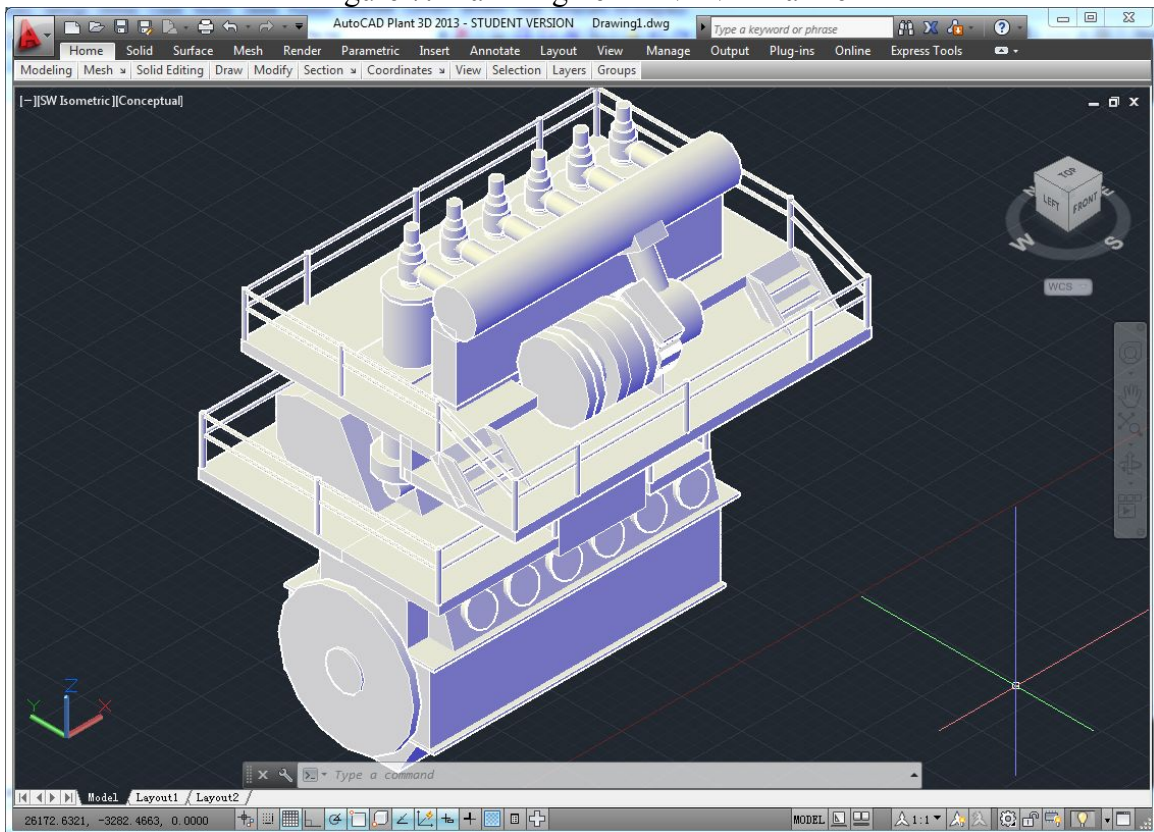


Figure 8. Main Engine imported to AutoCAD

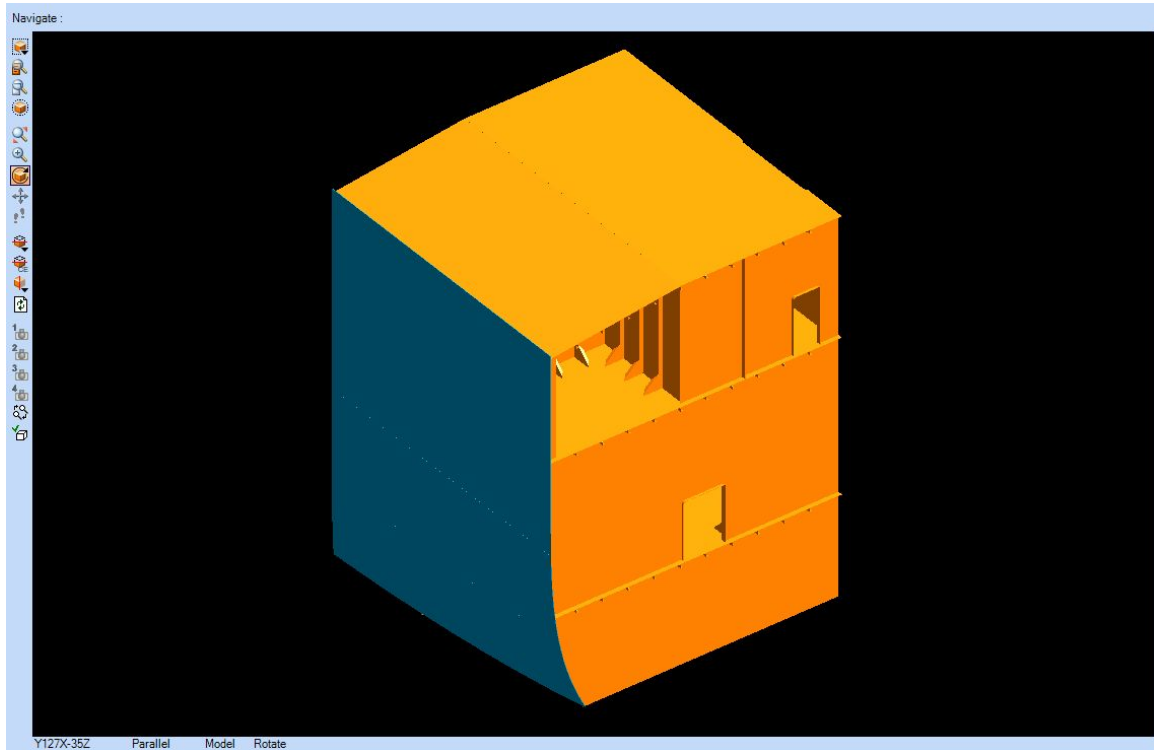


Figure 9. Hull Model in AVEVA Marine

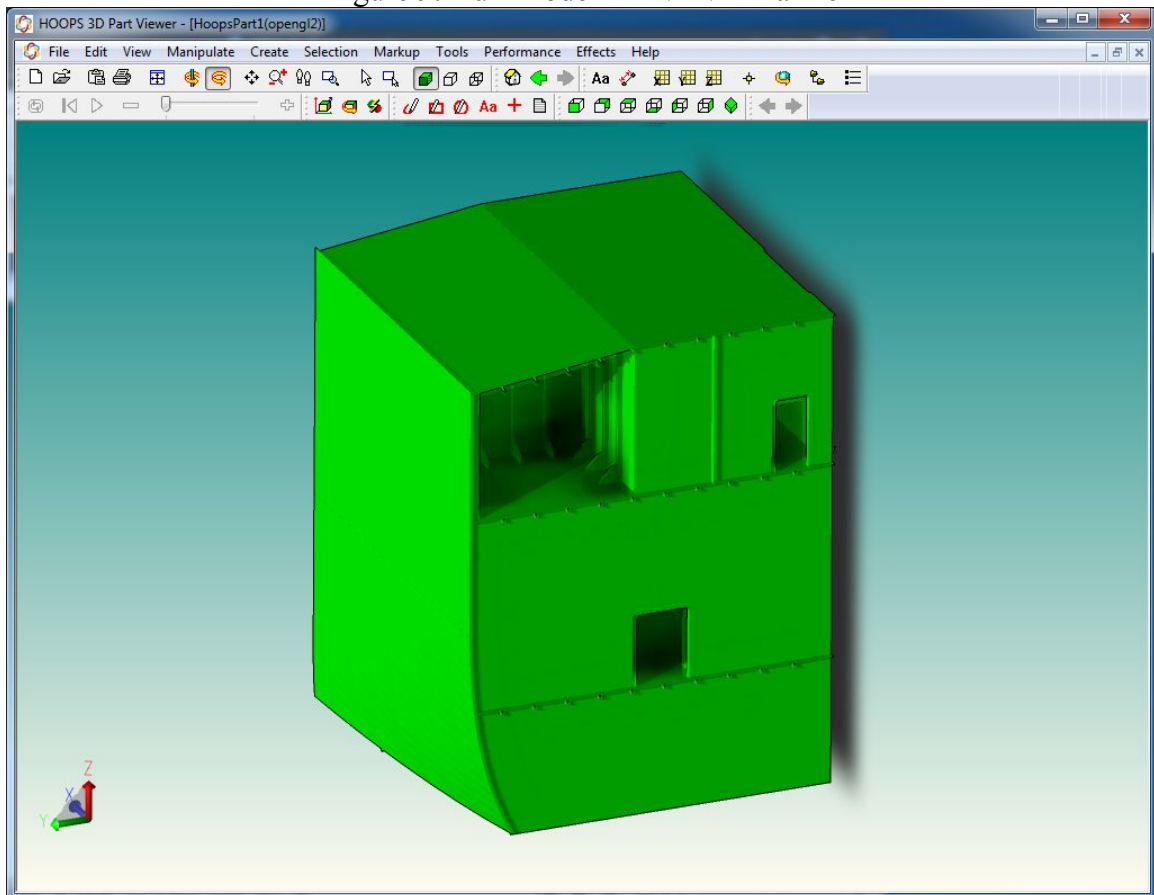


Figure 10. Hull Model in HOOPS

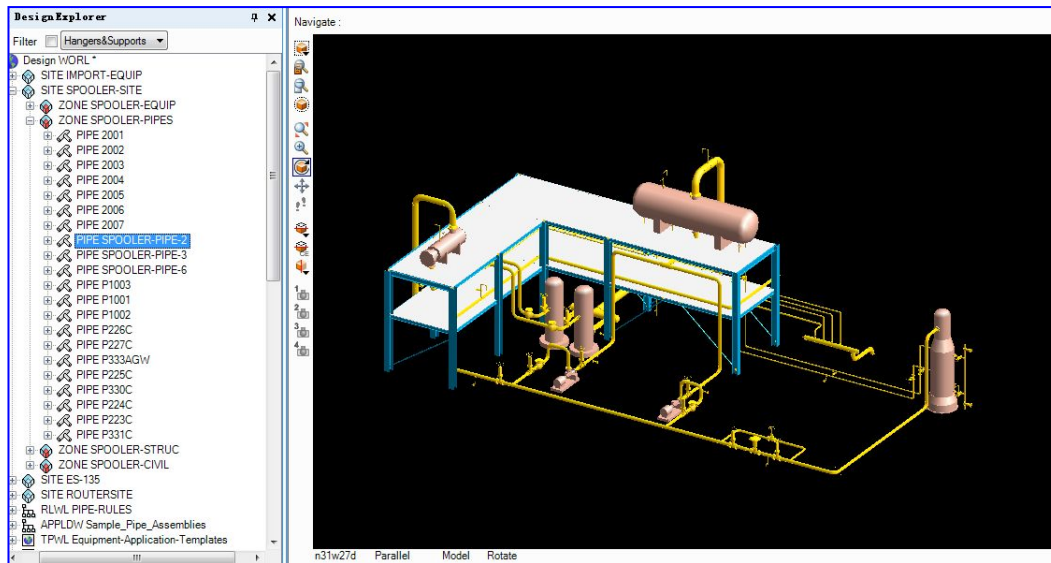


Figure 11. Piping model in AVEVA PDMS

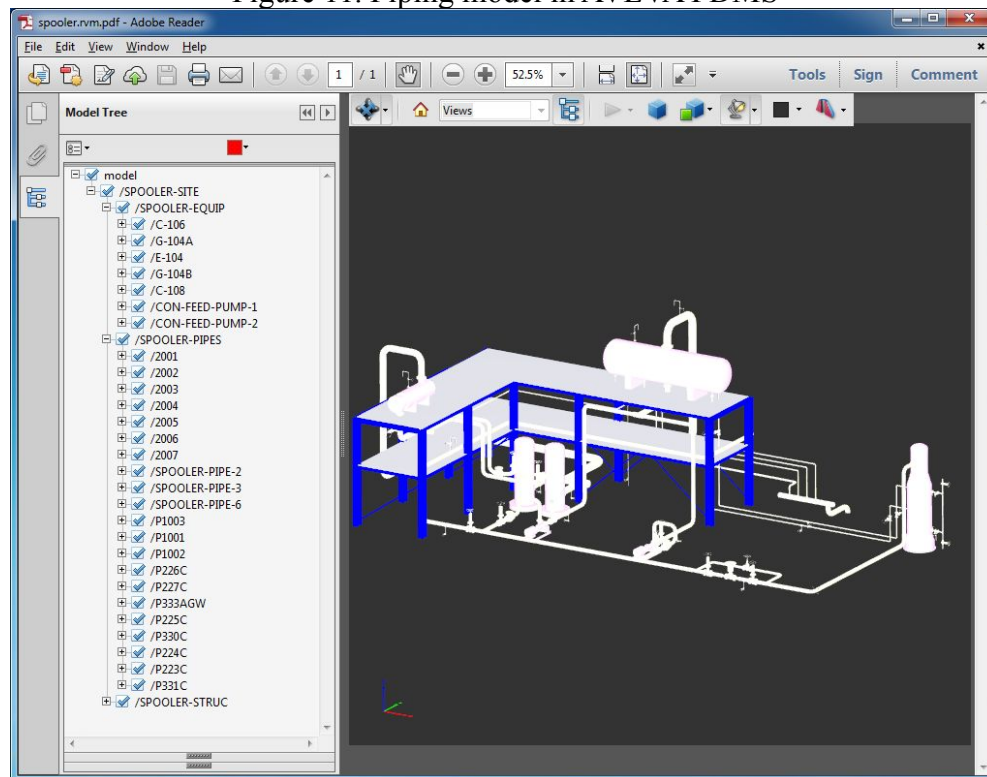


Figure 12. Piping model in Adobe Reader

## Feedback

Feel free to download the RvmTranslator and have a try, enjoy! :-)

Any suggestion and feedback is welcome, please send email to the author:

[eryar@163.com](mailto:eryar@163.com)



## Download

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