



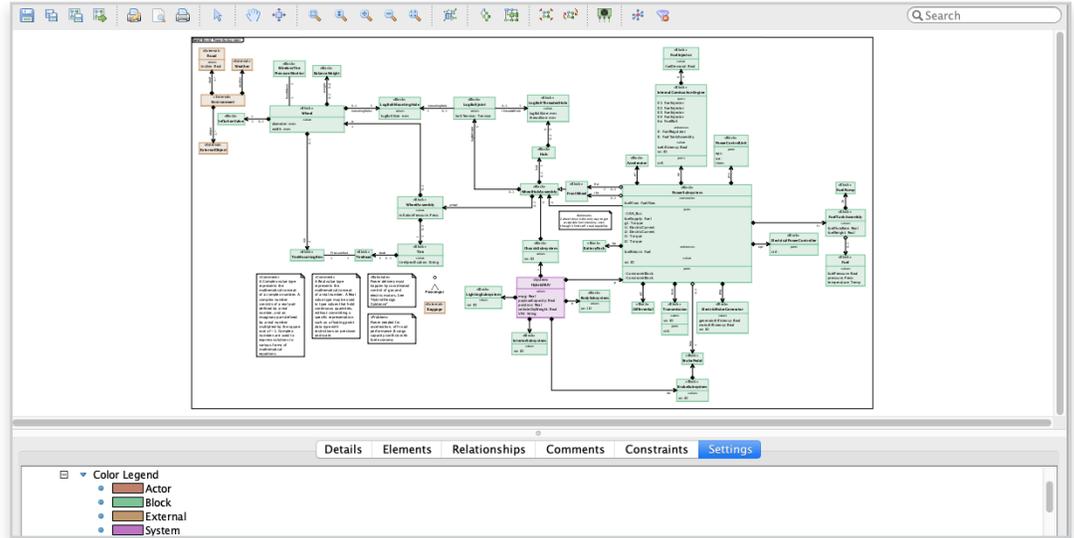
Model-Based Engineering Visualizations

Generated by Tom Sawyer Perspectives

What Is Tom Sawyer Perspectives?

Tom Sawyer Perspectives is an advanced SDK for building graph and data visualization and analysis applications.

You can create consistent, readable, and semantically rich diagrams in seconds. Instantly switch between UML style, our user-friendly iconic style, or your own custom look and feel.



SysML-compliant block definition diagram instantly generated by Tom Sawyer Perspectives

Why Are Model-Based Diagrams Important?

Many organizations are transitioning to an MBSE approach. Unfortunately, up to 80% of a modeler's time is spent validating, rearranging, and reproducing diagram contents instead of building models.

Tom Sawyer Perspectives solves this problem with template-based rendering, automatic graph layout, tailored SysML diagramming technology, and advanced analytics. No matter the audience, the perfect diagram is only a few clicks away.

8 Key Features

- Integration with No Magic Teamwork Cloud and MagicDraw
- Deploy to the web and desktop
- Import from various data sources
- Generate rigorous diagrams in seconds
- Produce eight types of SysML-compliant diagrams
- View synchronized SysML and customized diagrams
- Create consistent, repeatable customizations
- Print, export, and save high-quality diagrams



Image credit: NASA

Customer Case Study

Global Leader in the Aerospace Industry

Objective: Reduce time to market

Problem: Laborious diagram editing and constant requests for revised diagrams slow production

Solution: Generate diagrams automatically based on the underlying SysML model and expose interactive search, filtering, and layout capabilities

Results: Automatic diagram generation and increased collaboration speed time to market

Contact us to set up a demonstration or free evaluation: www.tomsawyer.com/sales

We are transforming model-based engineering diagram creation and customization from a manual process to one that is automated and repeatable.

Benefits of Our MBSE Solution

- Reduce time spent on manually rearranging and validating diagrams by 90%*
- Better collaboration using web and desktop views
- Interactively navigate, rearrange, collapse, expand, and analyze diagrams
- Develop complementary visualization applications

* Based on a customer case study

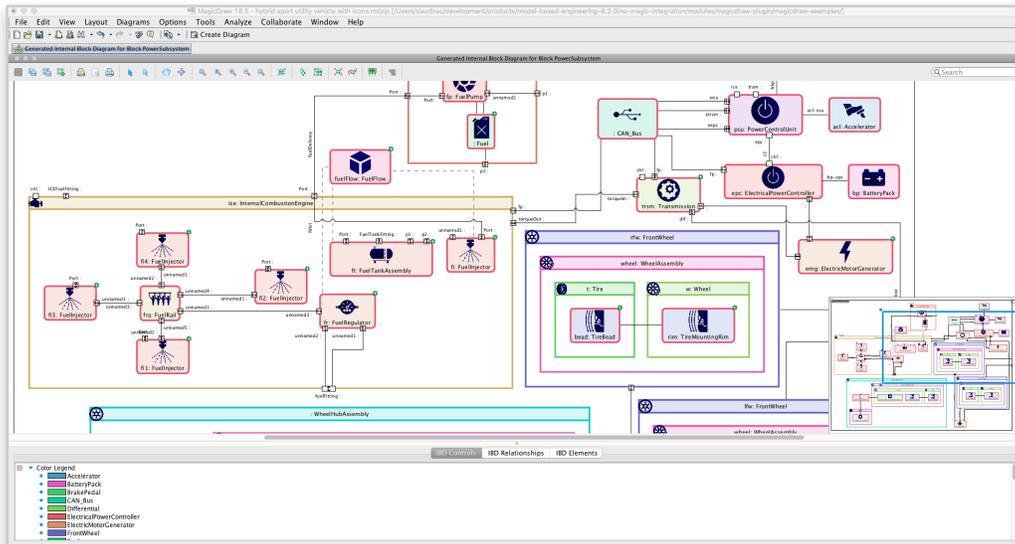
Application Development Features

- Complete software development kit (SDK) for data integration, analysis, and visualization
- Perspectives Designer for building applications
- Web and desktop preview for rapid prototyping
- Powerful layout engine
- Synchronized maps, charts, and timelines

Generate Rigorous Custom and Conventional Diagrams in a Fraction of the Time

Automate the arrangement of SysML and custom diagrams

Generate professional, publication-quality diagrams



Visualize complex systems and relationships in your data

See eight SysML diagram types with synchronized views

Our Ecosystem

Product and Data Integration



Customers



Standards and Community



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