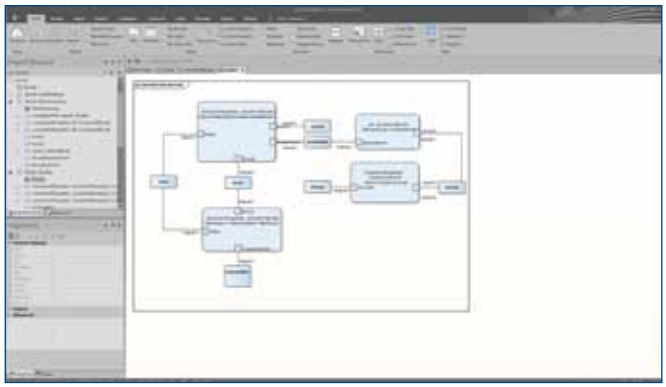
ENTERPRISE ARCHITECT

Model Based Systems Engineering

MBSE

Realize your vision



New Version 14

SysML is now standard with the Corporate edition of Enterprise Architect. Includes a rich set of reusable SysML and MBSE based patterns and an all new SysML modeling Perspective to help you jump start your modeling efforts.

Detailed patterns include examples of Parametrics using Open Modelica. Far reaching improvements to SysML conformance and ease of modeling.

Scalable MBSE for Teams

Effective tools to visualize, create and plan. Guide your vision from concept to reality.

Enterprise Architect provides a modern, scalable and multi-user, multi-domain modeling platform, coupled with technologies like SysML, UML and DDS. The complete systems modeling environment.

Agile Systems Engineering

With over 740,000 registered users in 160+ countries around the world, Enterprise Architect is the trusted, award winning, modeling platform with a proven track record for delivering Systems, Software and Business solutions globally.

Grab a copy of the Free Trial today and see for yourself how Enterprise Architect redefines cost-effective MBSE.

From $299 see: www.sparxsystems.com/systems

SPARX SYSTEMS

ENTERPRISE ARCHITECT

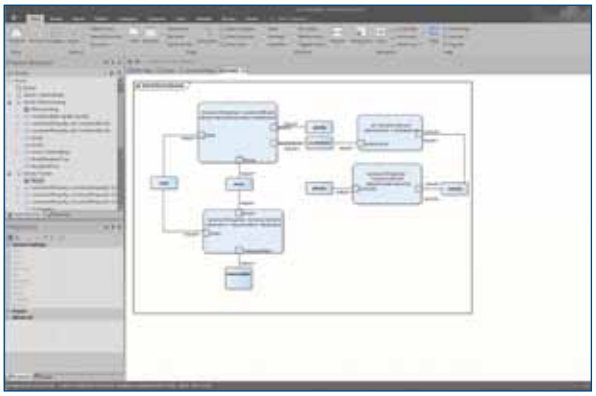
Collaborative Platform for Model-Based Systems Engineering

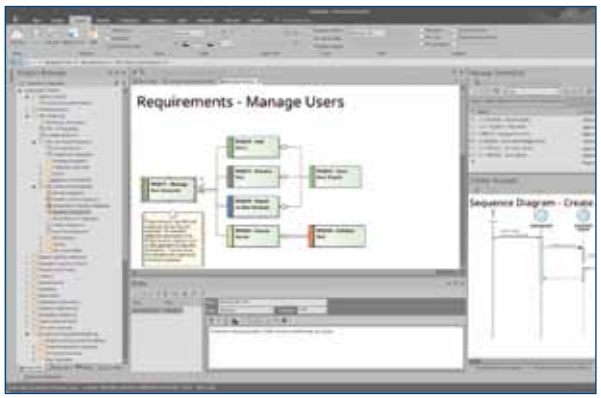
Technologies & Perspectives

SysML
- Specify system requirements, design deeply-nested structures of systems using blocks and block diagrams.
- Analyze system-to-system behavior using Interaction Diagrams, Activity Diagrams and State Charts.

Simulation
- Define system dynamics and enforce correctness with parametric and constraint blocks.
- Includes support for simulating constraint models with results graphing capabilities.
- Simulate the behavior of Activity, State, Business Process, User Interface and Interaction Models.
- Verify system behavior, manage complexity, control execution and understand complex systems.

DDS
- Specify Data-Centric Publishers, Subscribers, Topics and QoS Policies.
- Define Data Local Reconstruction mappings for effective DDS data access.
- Create heterogeneous DDS applications across different host environments.





Proven & Effective Tools

UML Modeling
- Drive rapid downstream development with automatic test generation and Structured Scenarios with automatic Activity diagram creation.
- All 14 UML 2.5 diagrams supported!
- Generate functional code directly from UML State, Activity and Interaction models.

Scripting and Automation
- Take control with Enterprise Architect scripts in JavaScript, JScript and VBScript to handle time consuming and repetitive GUI tasks.
- Extend the core toolset and take advantage of Enterprise Architect's repository with it's powerful Automation Interface.

Visualize, Validate, Debug & Profile
- Better understand the workings of your software with the Visual Execution Analyzer.
- Define Test Points using Programming by Contract principles.

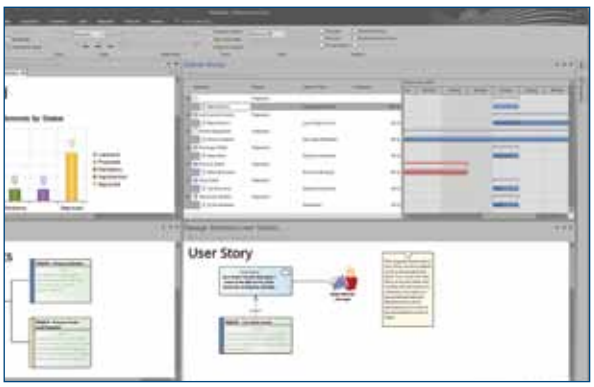
Take Control Stay Focused

Manage
- Manage your teams, workload, projects and requirements from the one platform.
- Streamline your projects with version control and model security.

Reporting
- Deliver a consistent message with built in RTF, HTML and PDF documentation.
- Use model documents, custom reporting and report templates for consistent, up to the second project reporting.

Testing and Quality Control
- Employ auditing, baseline comparison, issue, bug and change tracking to help you meet and exceed project requirements and quality levels.

Glossary
- Keep everyone on the same page with the powerful integrated project glossary!



Collaborate

Share, review and inform
- The Sparx Systems Pro Cloud Server opens your Systems Engineering modeling efforts up to your entire team to have secure access for discussions and reviews anywhere, anytime ...

Chat, discuss and Journal
- Chat with Team Members as an informal and relaxed way to raise issues.
- Discuss with other Team Members to stay on top of the model as it develops.
- Keep a daily Journal to type in a personal stream of consciousness - ideas, comments, notes, suggestions, to do lists and more.

Team Library
- Create a library of shared documents, files, binary resources and more for your Team.

For more information see: www.sparxsystems.com/systems

SPARX SYSTEMS