The easiest way to get your own modeling tool

Benefits

Manage your Business Complexity

Managing complexity requires breaking down a problem into simpler parts. Sirius brings the multi-viewpoints approach, conditional styles, layers and filters features to focus on what really matters.

Speed Up the Tooling Learning Curve

By using a tool which natively supports their own vocabulary, users don't have to learn concepts external to their business domain. They just have to learn the views and how to navigate between them.

Improve the Communication

Users with different know-hows can share the same model: by adapting to the user's needs, the viewpoint approach allows the same model elements to be represented differently on several graphical views.

Create Productive Models

Graphical representations are not simple drawings. Thanks to EMF, business information is stored as a model and could be reused with any other Eclipse modeling component (e.g. Acceleo).

Case-studies

Alstom - Railway Safety Analysis

To improve collaboration between system designer and safety assurance manager, Alstom has created a specific modeling workbench with Sirius.

Supporting a model-based system engineering methodology defined by Alstom, this tool allows safety engineers to graphically describe their analyses (PHA and SHA) by directly requesting the SysML design model of the system. It strongly couples railway signalling system design with risk and safety studies.
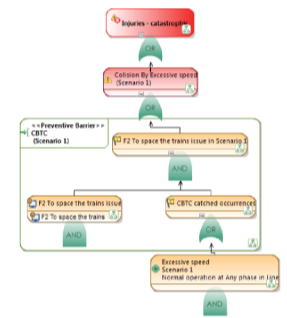
Thales - System Engineering

The Melody ecosystem is a field-proven modeling solution developed by Thales. It offers an environment with a high added-value for engineers working on system, software and hardware architectures.

At the center of this ecosystem is a graphical modeling workbench that provides a focus on functional analysis, (complex) architecture definition and early validation.
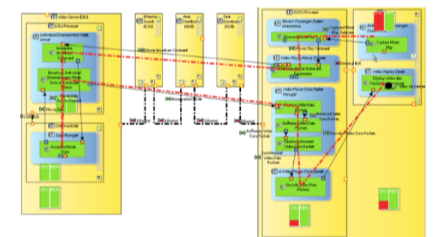
CNES - Configuration of Space Systems Middlewares

The CNES has defined a model-based approach to generate RTSJ source code, a Java version designed to support both hard and soft real-time application.

In order to easily configure space systems middlewares, Sirius has been used to complement a UML modeling workbench (based on Eclipse) with a DSL dedicated to the communication protocols.
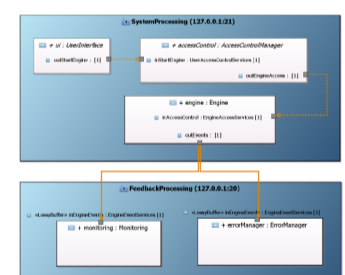
ESA - Reuse of Satellites Software Architectures

Sirius has been used to create a modeling workbench for the European Space Agency that supports a generic architecture for on-board satellites applications.

This workbench aims to make software development faster in the context of a reduced schedule, to allow late definition or changes and to cope with the various system integration strategies.

Sirius

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