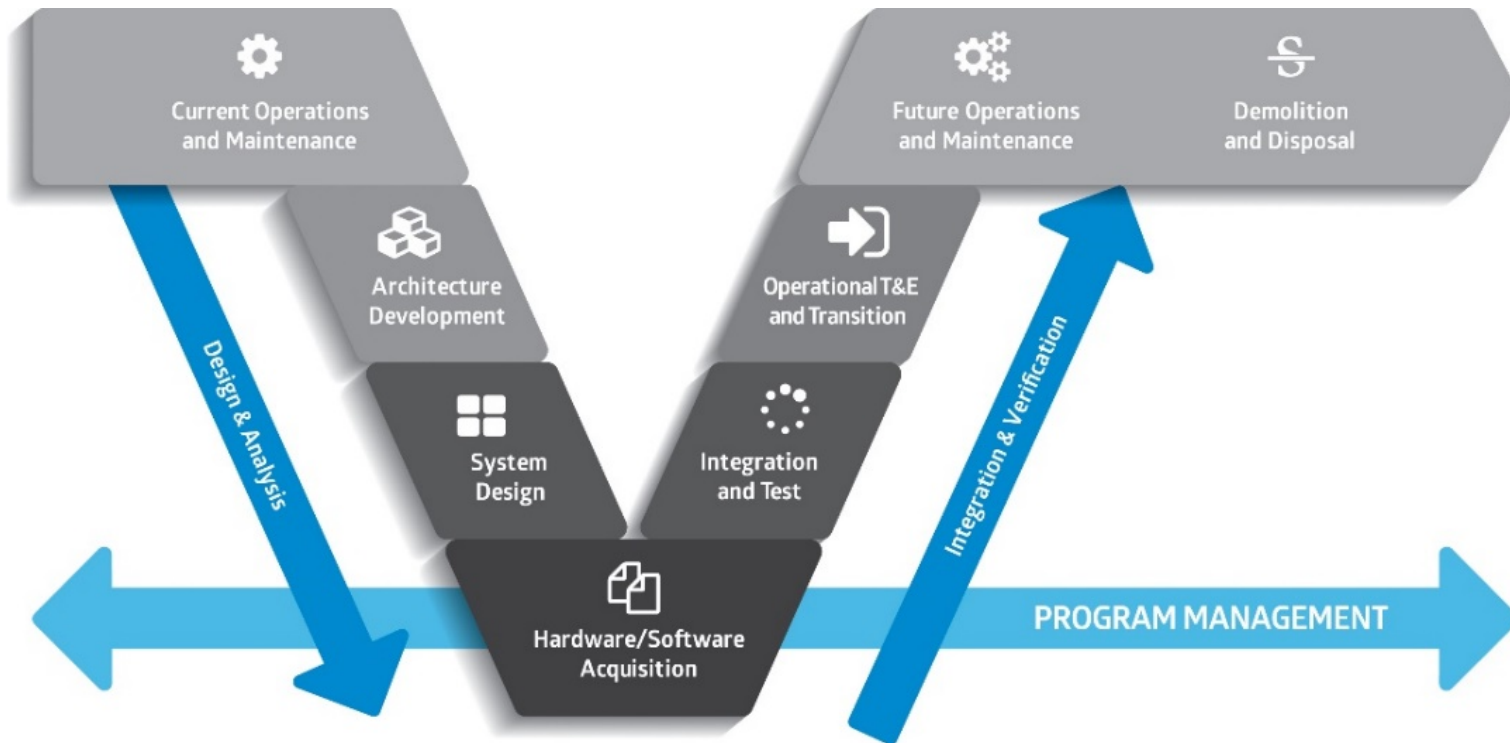


Innoslate Features List

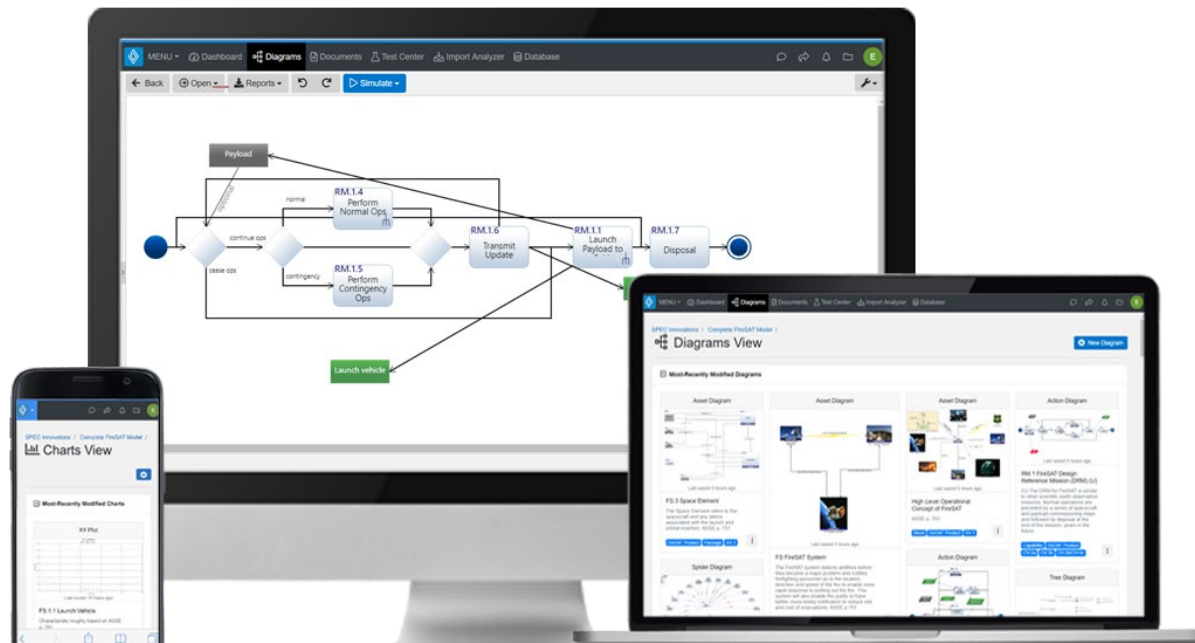
The Model-Based Systems Engineering Solution.

Innoslate is the first cloud-native, model-based systems engineering software solution made solely in the United States of America. Our engineers built Innoslate to help systems engineers develop full lifecycle solutions to complex systems of systems. You can perform Requirements Management, Modeling and Simulation, Verification and Validation, and more in one seamless package.



Feature Highlights

- Import requirements documents or start from scratch.
- Full traceability through requirements management to verification and validation.
- Collaborate and control access with your whole team with cross-project collaboration.
- Reduces risk and time with fully integrated Discrete Event and Monte Carlo simulators.
- Detect traceability and requirements quality with artificial intelligence capabilities.
- Workflows and Project Management plans for simplified Project Management.
- A complete package with no plug-ins.



General Views

View	Description
Admin Dashboard	Each organization within Innoslate has an Admin Dashboard to manage users, licenses, roles and teams.
Organization Dashboard	Here you will find your recent projects and a description of your organization, as well as a guided tour to help you get started with <i>Innoslate</i> .
Manage Projects Dashboard	This page allows a user to create, copy, delete, export, filter, search for, share, unshare yourself from, and edit the settings of <i>Innoslate</i> projects.
Support Dashboard	The Support Dashboard allows a user with Admin or Support access to send/copy users' password reset links and activation links – that way users who cannot remember their passwords can simply contact their support team or an administrator, and their password links can be sent to them without inconvenience.
Project Dashboard	Each Innoslate project has its own 'Dashboard', here you can access helpful getting started links and keep up-to-date on your project's status, database changes and model maturity all in one place. Read more...
Database View	Database View gives you the ability to create new entities as well as sort, filter, search, create reports, and perform bulk operations on any of the existing entities in your project. Read more...
Documents View	Within 'Documents View,' you will be able to create new documents, as well as manage any of your 'Existing Documents' for your selected project.
Diagrams View	Diagrams View displays thumbnails for every diagram in your project allowing for quick navigation between diagrams and ability to create, delete, filter, search, and sort any diagram available in Innoslate. Read more...
Test Center	Test Center is a hierarchical, document-like display of Test Suites & Test Cases
Charts View	Within 'Charts View,' you can create new charts for your project, as well as view two panels of existing charts: Most recently modified charts and all existing charts.

Documents Views

Name	Description
CONOPS	The CONOPS Documents View allows creating Concept of Operations documents from scratch or a template and editing existing CONOPS documents.
Requirements	Requirements Document is a hierarchical, document-like display of Statements and Requirements with collapsible sections, inline entity editing, sorting on any attribute column, and customizable attribute columns. Read more...
Test Plans	The Test Plans Documents View allows creating Test Plan documents from scratch or a template and editing existing Test Plan documents.
ILSPs	The ILSPs Documents View allows creating Integrated Logistics Support Plan documents from scratch or a template and editing existing ILSP documents.
SOPs	The SOPs Documents View allows creating Standard Operating Procedure documents from scratch or a template and editing existing SOP documents.
Project Management Plans	The Project Plans Documents View allows creating Project Management Plan documents from scratch or a template and editing existing Project Plan documents.
IV&V Plans	The IV&V Plans Documents View allows creating Independent Verification & Validation Plan documents from scratch or a template and editing existing IV&V Plan documents.
Document Template Generation	Innoslate allows you to create your own Document Templates to be used throughout your project. From 'Documents View', you can generate a snapshot of your document for further replication in the project.
Entity Notation	In an entity description you can add self-updating notations. These notations can be a name, number, or attribute of any entity in the project. Read more...
Table Notation	In an entity description you can add self-updating tables. These tables can include names, numbers, or attributes of any set of entities in the project. Read more...

Tools

Name	Description
DoDAF Dashboard	DoDAF Dashboard gives you access to create new or edit any of the existing DoDAF 2.02 products in your project all from a single screen.
Import Analyzer	Import Analyzer guides you through the process of importing information from Microsoft Word, Microsoft Excel, Rational DOORS (.csv), Plain Text (.pdf, .txt, etc...) and previously exported Innoslate XML. Read more...
Schema Editor	The Schema Editor enables power users to extend their project's current database schema to better meet their needs. Read more...
Rollup Model	<i>Innoslate</i> has the ability to calculate and display an entities' rolled-up attribute values up to 25 levels of hierarchy. With Numbers , Durations , Enumerations , and Multiselects , the Rollup Tool can easily roll up their values and allow you to apply those values as the attribute value in the parent entity.
Intelligence	Intelligence analyzes your project's model to assess traceability, model construction, naming conventions, and more.
CAD Viewer	Upload your CAD models in .obj or .stk format to see a 3D model that you can navigate in Innoslate. The CAD model will automatically develop high-level asset diagrams.
Quality Check	Using Natural Language Processing within Requirements Document View, use the built-in AI to automatically check and score your requirements. This tool will also recommend ways to write more clear and complete requirements.
Baseline Requirements Documents	Baselining your Requirements Document creates a snapshot of your requirements document at the moment in time when the baseline is created. All document entities, their relationships and attributes will be captured. Read more...

Traceability Assist

Traceability Assist will automatically identify likely relationships using pre-trained machine learning models. The suggested relationships will highlight in green. The darker green signifies higher confidence a relationship should be present.

Suspect Assist

Suspect Assist will automatically identify related entities which have few similarities and a low confidence of correctness. The suspect relationships will highlight in red. The darker the color red, the higher confidence a relationship should not be present.

SRD Generator

A 'System Requirements Document' can be generated easily from an asset diagram.



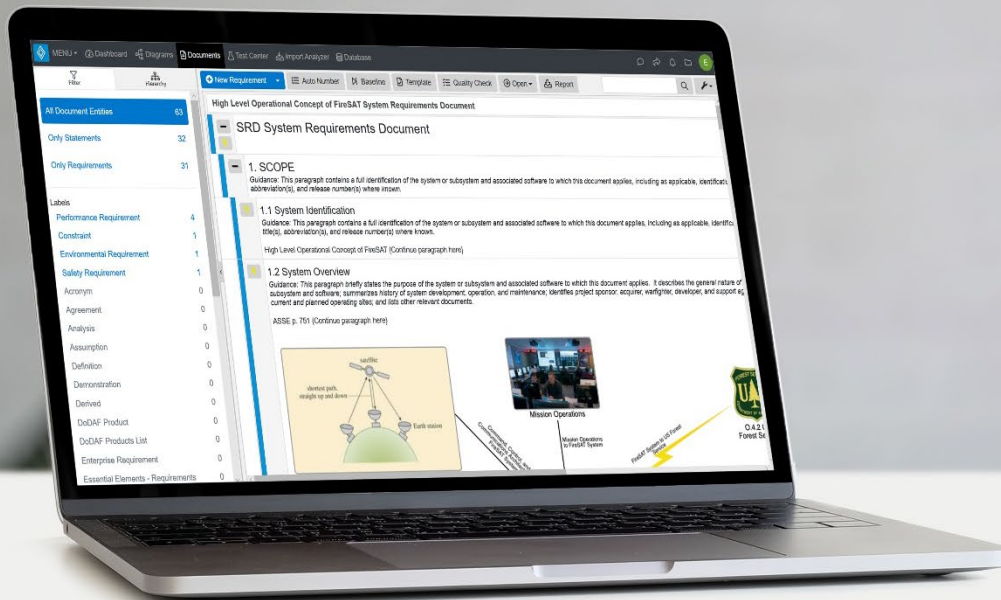
Diagrams

Name	Type	Description
Action Diagram	LML	The Action Diagram is a visualization of the functional components of a system model traditionally known as a functional flow diagram. Read more...
Activity Diagram	SysML	The Activity Diagram is a behavior diagram showing flow in terms of actions, and inputs & outputs. Read more...
Asset Diagram	LML	The Asset Diagram is a diagram representation of the physical components of a system model traditionally known as a physical block diagram. Read more...
Block Definition Diagram (BDD)	SysML	The Block Definition Diagram is a structure diagram showing blocks, their attributes, and their hierarchical relationships. Read more...
Tree Diagram	General	Tree Diagram visuals an Artifact entity's hierarchy through the source of and decomposed by relationships.
Class Diagram	General	A new Class Diagram has been added for specifying software and data models with ease.
Hierarchy Chart	General	The Hierarchy Chart is a type of hierarchical organizational chart used in Innoslate as a means of visualizing up to ten (10) levels of decomposition of entities top-down. Read more...
ICOM (A0) Diagram	General	The ' ICOM (Inputs, Controls, Outputs and Mechanisms) Diagram ' is a structure diagram showing relationships between Inputs/Outputs, Actions, and Assets.
IDEF0 Diagram	General	The 'IDEF0 Diagram' supports five (5) unique diagram constructs: a 'Function' a 'Mechanism', an 'Input', an 'Output', and a 'Control'.
I-Squared Diagram	General	The I-squared diagram is a matrix that represents Assets and Conduits.
Internal Block Diagram (IBD)	SysML	The Internal Block Diagram is a structure diagram showing the internal structure of a block including their ports and relationships. Read more...
Layer Diagram	General	The Layer Diagram visualizes multiple levels of physical decomposition and the Conduits linking those Assets together.
N-Squared Diagram	General	The N-Squared diagram represents functional or physical interfaces between entities.

Organization Chart	General	The organization chart is hierarchical representation of an organization's structure and its relationships with different organization's members.
Package Diagram	SysML	The Package Diagram is a structure diagram showing packages and their relationships. This diagram is used to describe how a model is organized. Read more...
Parametric Diagram	SysML	The Parametric Diagram represents mathematical equations. It is a restricted form of the Internal Block Diagram that shows the relationships between the Constraint (Equations) entities and the Parameter (Characteristics) entities.
Physical I/O Diagram	LML	The Physical I/O Diagram is in a way a crossover diagram which displays the functional interactions and relationships between the physical components of a system model.
Radar Chart	General	The Radar Chart compares 3 or more quantitative variables on axes that start from the same point.
Requirement Diagram	SysML	The Requirement Diagram displays requirements, their hierarchy, and their relationships to model entities. Read more...
Risk Matrix	General	The risk matrix can be used to assess the levels of risk in your system. A risk represents the combined probability and consequence in achieving objectives. The columns represent harm severity ranging from: Negligible, Minor, Moderate, Serious, and Critical. The rows represent harm probability: High, Medium High, Medium, Medium Low, and Low. This diagram can be found in entity view of a risk entity.
Sequence Diagram	SysML	The Sequence Diagram is used to visualize the order and direction of message flow/interaction between lifelines/assets. Read more...
Spider Diagram	LML	The Spider Diagram is a type of hierarchical organizational chart used in Innoslate as a means of visualizing traceability. Read more...
State Machine Diagram	SysML	The State Machine Diagram is a behavior diagram showing states and their transitions. Read more...
Timeline Diagram	General	The Timeline Diagram is used to graphically depict a chronological sequence of events. Read more...
Tree Diagram	General	The 'Tree Diagram' is a type of hierarchical organizational chart used in Innoslate as a means of visualizing unlimited levels of decomposition of entities horizontally from left to right. Read

[more...](#)

Use Case Diagram	SysML	The Use Case Diagram is a behavior diagram which shows how an actor interacts with a system under different use cases and their relationships. Read more...
I Squared Diagram	LML	The 'I-Squared Diagram' is a matrix used to visualize the relationships between Assets and Conduits.
Risk Burn-Down Chart	General	The Risk Burn Down Chart is a chart used to visualize the effects of risks on a project.



Additional Visualizations

Charts View

Name	Description
X/Y Plot	Innoslate can capture results from simulations and tests as XY Plots. Import output from other tools to create the Innoslate objects automatically.
More Charts Coming Soon	

Matrices

Name	Description
Traceability Matrix	The Traceability Matrix displays an entity's hierarchy to other entities. This matrix will show the chosen relationship between the chosen entities. Read More...

Simulators

Name	Description
Discrete Event Simulator	<p>Innoslate's real-time 'Discrete Event Simulator' allows you to execute a complex system as a discrete sequence of actions in time.</p> <ul style="list-style-type: none"> ● Analyze complex systems behavior and its parts (assets) ● Predict system performance including time duration, cost, asset utilization, and resource consumption ● Identify process bottlenecks ● Plan a schedule, allocate cost, asset utilization, and calculate resource performance (Project Management) ● Verify correct logical design
Monte Carlo Simulator	<p>Innoslate's 'Monte Carlo Simulator' allows for realistic analysis of a system or project's cost, schedule, and performance. This simulator utilizes the same modeling techniques and technologies of the 'Discrete Event Simulator' but removes inherent uncertainty. This is accomplished by running the simulation repeatedly with different random seeds to achieve a more comprehensive view of the model.</p>

Requirements View Reports

Name	Description
All Matrices Output	All Requirements Matrices - A workbook containing the RVTM, RVM, RTM, and RSM as a .xlsx file.
Basic Document Output	Basic Document Output - A dump of the document below to a .docx file.
Basic Tabular Output	Basic Tabular Output - A dump of the document below to a .csv file.
Document Export	Document Export - A dump of the document below to an Innoslate .xml file.
Post Baseline Change Report	Post Baseline Report - Report containing the changes since the last baseline.
RSM Output	Requirements Satisfaction Matrix - A table of requirements with the entities that satisfy each requirement as a .xlsx file.
RTM Output	Requirements Traceability Matrix - A table of requirements with the entities that trace to each requirement as a .xlsx file.
RVM Output	Requirements Verification Matrix - A table of requirements with the entities that verify each requirement as a .xlsx file.
RVTM Output	Requirements Verification Traceability Matrix - A table identifying which test cases verify each requirement.
VCRM Output	Verification Cross-Reference Matrix - A table identifying each requirement's verification method(s).

Database View Reports

Name	Description
Basic Tabular Output	Basic Tabular Output - A dump of the entities in the database to a .csv file.
Comment Report	Comment Report - A table of the user comments from the selected entities to a .xlsx file.
Entity Definition Report	Entity Definition Report - An output of all attributes, labels, and relationships for the selected entities to a .docx file.
Entity Relationship Matrix	Entity Relationship Matrix - A matrix of the selected entities' relationship to other entities through a single relationship.
Entity Table	Entity Table - A table of the selected entities' attributes and optionally (See: Add Sibling) its selected related entities.
History Report	History Report - An output of the history and changes of the selected entities to a .docx file.
Innoslate XML Output	Innoslate XML Output - A dump of the database to a .xml or .inno file. Note XML files are only forwards compatible and must be imported to version 3.8.0.2 or later. To import to an earlier version contact support.
Activity Feed Report	The Activity Feed Report allows you to take create a custom .csv report for all the activity feed on the project dashboard.

Test Center Reports

Name	Description
Basic Document Output	Basic Document Output - A dump of the document below to a .docx file.
Basic Tabular Output	Basic Tabular Output - A dump of the document below to a .csv file.
Test Cases Output	Test Cases Output - A dump of the test cases below to a .docx file.
Test Suite Export	Test Suite Export - A dump of the test suite below to an Innoslate .xml file.
TVM Output	Test Verification Matrix - A table identifying which requirement each test case verifies.

Additional Features

Collaboration

Name	Description
Cross Project Collaboration/Redaction	Cross Project Collaboration allows you to create relationships between projects and share data. If a user is not shared on a project that has cross project collaboration, the user will see the information has been redacted.
Workflow	Create workflows to manage your whole team.
Comment	Owners, collaborators, and reviewers can leave comments on any entity throughout an Innoslate project.
Chat	Chat with any active team member anywhere in the project or group chat with all the team members.
Version Control	Control version history of your system, all the way down to the entity level.

Interoperability

Name	Description
Java SDK	
Rest API	
XMI importer	Importer specifically for exports from MagicDraw, Enterprise Architect, or Rational Software Architect.

Authentication

Name	Description
Native	Authentication can be handled through Innoslate.
LDAP	Innoslate can talk to your LDAP system to authenticate users.
LDAPs	Innoslate can also talk to your LDAPS system to authenticate users.
DoD CAC	Innoslate can authenticate users with CAC Cards.

API's

Name	Description
JAVA SDK	
REST API	