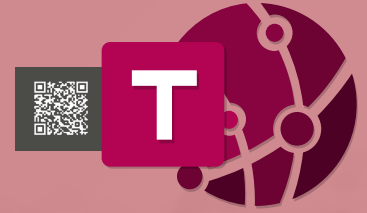


ENABLE A CONNECTED DIGITAL THREAD WITH SMART TRACEABILITY



ABOUT

Modern safety-critical projects rely on complex ecosystems of engineering tools, file formats, models, requirements, tests, risks, and other engineering assets distributed across heterogeneous environments. Maintaining interoperability, synchronization, and end-to-end traceability across these environments is essential to preserving the Digital Thread and ensuring lifecycle consistency throughout the development process.

SES ENGINEERING Studio, powered by more than 40+ connectors, provides an Interoperability Hub that establishes a Synchronized Source of Truth (SSoT), enabling seamless collaboration,

synchronization, and information exchange across Requirements Management, MBSE, ALM, PLM, MS Office, PDF, and other engineering environments.

TRACEABILITY Studio, part of **SES ENGINEERING Studio**, delivers semantic and tool-agnostic traceability across the complete systems engineering lifecycle. By connecting requirements, models, risks, test cases, documents, and engineering data, organizations can maintain digital continuity, perform impact analysis, detect missing or suspect links, and ensure consistent traceability from concept and design to verification, production, operation, and support.



QUALITY

SES ENGINEERING Studio enables semantic traceability and interoperability across heterogeneous engineering environments, improving lifecycle consistency, reducing disconnected workflows, and ensuring high-quality engineering data.



TIME

By combining smart synchronization, semantic traceability, and AI-assisted automation, **SES ENGINEERING Studio** reduces manual engineering effort, accelerates collaboration across tools, and saves valuable engineering time.

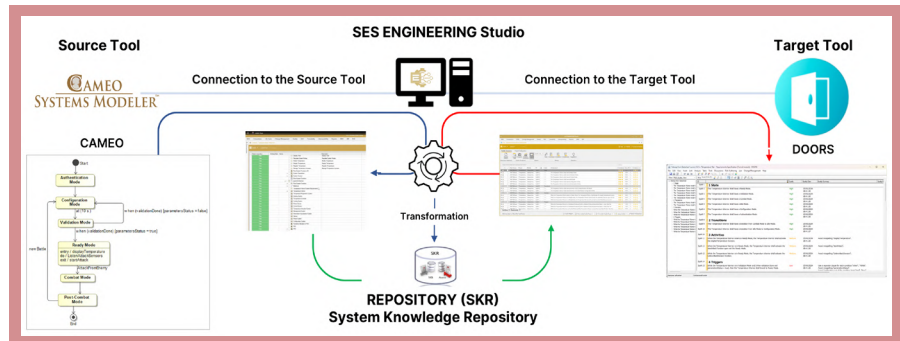
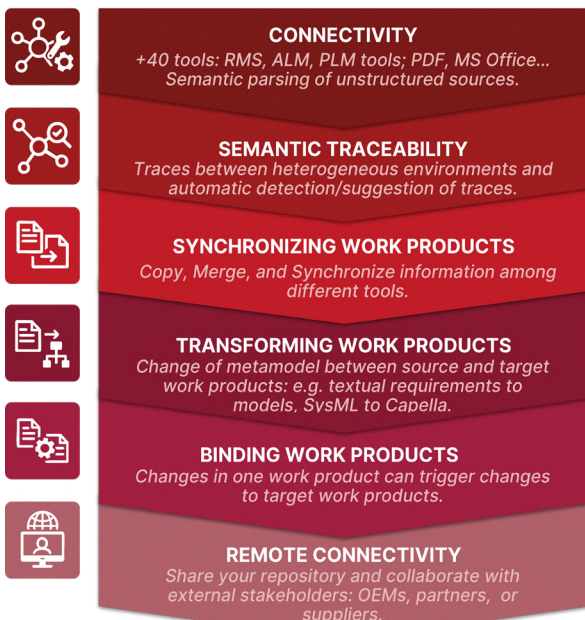


MONEY

SES ENGINEERING Studio connects multiple tools, models, and file formats through a centralized Interoperability Hub, minimizing costly point-to-point integrations, reducing rework, and lowering overall engineering and maintenance costs.

THE POWER OF CONNECTIVITY

A passport towards a digital thread without boundaries



Systems engineering is a complex and demanding field that coordinates the activities of many professionals from diverse disciplines. It relies on various file formats and tools, often from multiple vendors, and is not always designed for seamless connectivity.

The Interoperability Hub of the **SES ENGINEERING Studio** aims to address this need. It enables a complete digital thread through the connectivity to over 40 widely used tools. It also offers the traceability required by many regulatory frameworks and enables multiple possibilities to exchange information between the involved tools.

ENABLE A CONNECTED DIGITAL THREAD WITH SMART TRACEABILITY

MANAGING TRACEABILITY WITH AN AGNOSTIC PERSPECTIVE

SES ENGINEERING Studio provides a centralized framework to manage traceability across Requirements Management tools, MBSE environments, ALM/PLM platforms, source code repositories, MS Office documents, PDFs, and other engineering sources.

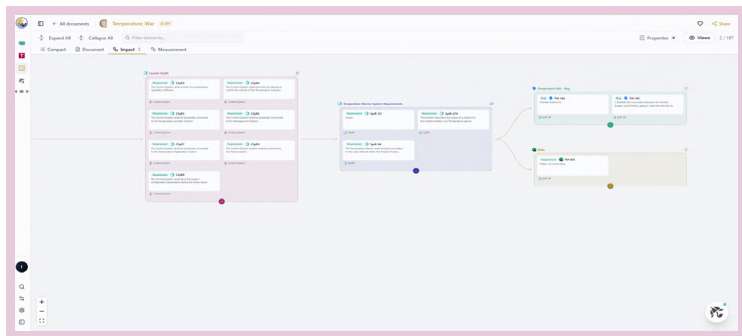
As part of the Interoperability Hub, **TRACEABILITY Studio** establishes a Synchronized Source of Truth (SSoT), eliminating complex point-to-point integrations across heterogeneous ecosystems.

CUSTOMIZABLE & SCALABLE

SES ENGINEERING Studio can be tailored to organizational needs through customizable trace types, reports, synchronization rules, semantic algorithms, and connectors to additional engineering tools and file formats.

TRACEABILITY MANAGEMENT MADE EASY

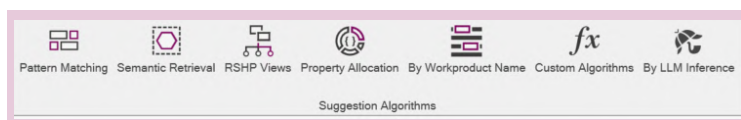
Traceability links can be created quickly between connected engineering artifacts without manually editing source tools or managing complex identifiers. Engineers can establish semantic links directly across connected environments while maintaining the integrity of the original sources.



SMART TRACEABILITY & AI-ASSISTED DISCOVERY

TRACEABILITY Studio uses semantic analysis, Natural Language Processing, and Artificial Intelligence to identify candidate links, detect missing traces, and highlight suspect links when connected engineering items change.

The platform supports impact analysis, trace consistency management, and automated detection of semantically relevant changes across the lifecycle.



KEY BENEFITS OF TRACEABILITY STUDIO

- End-to-End Semantic Traceability
- Tool-Agnostic Interoperability
- AI-Assisted Trace Discovery
- Impact Analysis & Suspect Link Detection
- Reduced Manual Traceability Effort
- Synchronized Source of Truth (SSoT)

CONNECTIVITY & SEMANTIC TRACEABILITY

SES ENGINEERING Studio connects Requirements Management, MBSE, ALM, PLM, MS Office, PDF, and many other engineering environments through a centralized interoperability layer. The Hub eliminates complex point-to-point integrations while enabling semantic traceability across the lifecycle.

COPY, MERGE AND SYNCHRONIZE CONTENT

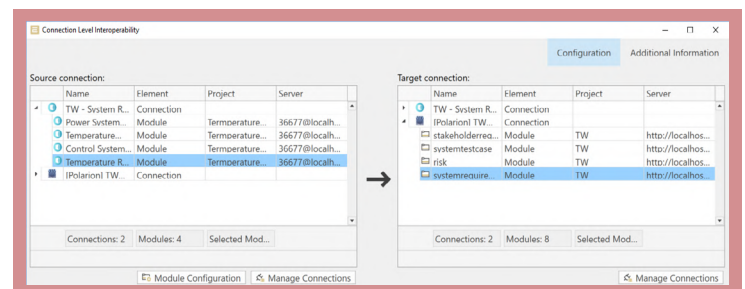
The Interoperability Hub enables synchronization, migration, and merging of engineering data between heterogeneous tools. Changes can be automatically propagated across connected environments using customizable mappings and synchronization rules.

DATA CONVERSION AND TRANSFORMATION

Using semantic transformation capabilities, **SES ENGINEERING Studio** supports advanced model and data transformations between engineering environments, including SysML, Capella, UML, requirements, and test artifacts.

REMOTE CONNECTIVITY

SES ENGINEERING Studio enables secure collaboration across distributed environments, allowing organizations, suppliers, and partners to connect repositories and synchronize engineering information while maintaining controlled access.



KEY BENEFITS OF INTEROPERABILITY STUDIO

- 40+ Engineering Tool Connectors
- Synchronization Across Heterogeneous Tools
- AI-Assisted Engineering Automation
- Digital Thread Enablement
- Reduced Manual Integration Effort

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