

ENGINEERING DATA FLOW IN TEAMCENTER WITH SES ENGINEERING STUDIO

**Reduce Requirement Rework, Improve
Traceability, And Connect Your Engineering
Tools In Real Projects**





01

What we DO

The REUSE Company provides a platform and a set of well-defined methods to support the implementation of an incremental and comprehensive **reuse process**. The approach is based on **knowledge management & elicitation, quality assessment, interoperability** across tool ecosystems, **artificial intelligence**, and smart **search engines**.





Rajas Chelkar



- **Current position:** Systems and Solutions Engineer - The REUSE Company
- Advanced Master's degree in Systems Engineering from ISAE SUPAERO (France).
- Member of ISAE-SUPAERO Alumni Network
- 4+ years of experience across OEM and Tier I aerospace programs (Boeing 787, COMAC C919, Gulfstream G650) as a System Design Engineer.
- INCOSE – ASEP Certified
- Specialized in MBSE, SysML, and Systems V&V (Cameo, DOORS, Capella)

AGENDA

01

- What slows engineers down today

02

- Stop rewriting and re-reviewing requirements
- Demo: Solution & Impact

03

- Stop reformatting and reentering data
- Demo: Solution & Impact

04

- Know what breaks when something changes
- Demo: Solution & Impact

05

- Conclusion



WHAT SLOWS ENGINEERS DOWN TODAY?

- WHAT SLOWS ENGINEERS DOWN TODAY?
 - Requirements **scattered across documents & tools**
 - Reviews done **manually and repeatedly**
 - **Rework** caused by late issue detection
 - **Broken or incomplete traceability**
 - **Late change impact** discovered too late

WHAT IS SES ENGINEERING STUDIO?

- **SES Engineering Studio** connects, analyzes, and governs data across your existing tools.
 - Structured requirements authoring & quality analysis
 - Interoperability without replacing your tools
 - End-to-end traceability across the engineering lifecycle



➤ The problem engineers face

- Requirements authored in documents are **reworked multiple times**
- Quality issues are discovered **late in reviews**
- Review cycles are **manual, slow, and subjective**

➤ The SES approach

- **RAT (Requirements Authoring Tool):** Author requirements in a **structured, consistent format**
- **RQA (Requirements Quality Analyzer):** Automatically **analyze and flag** requirement quality

➤ The impact

- **Up to 60% reduction in requirement review turnaround time**
- Fewer review iterations
- Higher-quality requirements earlier in the lifecycle

➤ The problem engineers face

- Requirements and engineering data live in **different tools**
- Information is **manually reformatted** for each stakeholder
- Changes require **re-export, re-import, and re-validation**

➤ The SES approach

- Connect SES with **existing tools** (e.g. PDF, MS Office, Teamcenter, DOORS, EA, etc.)
- **Transform and synchronize data** across tools without reauthoring
- Preserve ownership and governance in each tool

➤ The impact

- **Up to 40% reduction in data exchange and update turnaround time**
- Fewer manual errors
- Faster collaboration across domains

➤ The problem engineers face

- Trace links are **manual and fragile**
- Changes break traceability silently
- Impact analysis is **time-consuming or incomplete**

➤ The SES approach

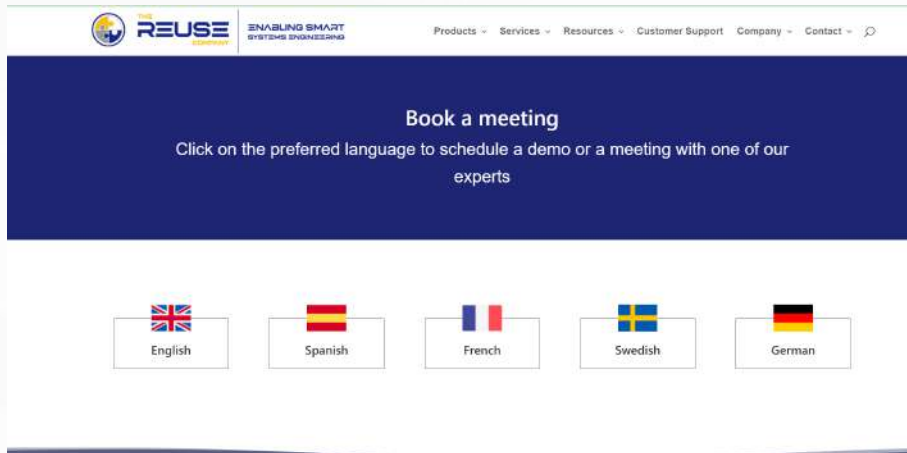
- Create and maintain **automatic and manual trace links**
- Trace across **complex, multi-tool environments**
- Keep traceability **consistent as data evolves**

➤ The impact

- **Up to 50% reduction in traceability and impact analysis turnaround time**
- Faster, more confident change decisions
- Compliance with the regulations.



- **What would this save on your current project? Connect with us for more details!**
- **Book a meeting with a consultant**



- **Requirements Analysis Service** : <https://www.reusecompany.com/personalized-requirements-analysis>
- **Trial license request:** contact@reusecompany.com
- **Get further information...**



THE REUSE COMPANY ENABLING SMART SYSTEMS ENGINEERING

Resources ▾ Support Company ▾ Contact ▾

Software Tools for Digitizing the Systems Life Cycle Management

- Inter-connecting the complete Tools Ecosystem of your organization
- Enabling digital support to all the Technical Management processes (ISO 15288) for the engineering items of your tools ecosystem
- Integrating document centric (Documentation), knowledge driven (Reuse) and model-based (MBSE) approaches in one Hub

Systems Engineering Tools and Solutions for System Life cycle Management based on Connectivity, Interoperability and Reuse

www.reusecompany.com



reuse company

The REUSE Company
@TheREUSECompany
289 suscriptores

INICIO VIDEOS EN DIRECTO LISTAS COMUNIDAD CANALES INFORMACIÓN

SES ENGINEERING Studio ▶ Reproducir todo

- Boosting MS Word with Requirements Management... 28 visualizaciones · hace 7 días
- System Life Cycle Management with SES... 27 visualizaciones
- Systems Engineering Rigor needs an Interoperability... 56 visualizaciones
- Interoperability in SES ENGINEERING Studio 81 visualizaciones
- Controlling the values of your signals in Technical... 34 visualizaciones · hace 1 mes
- Configuration Management with SES ENGINEERING... 60 visualizaciones · hace 2 meses

[@thereusecompany](https://www.youtube.com/@thereusecompany)



THE
REUSE
COMPANY

