

EXECUTIVE SOFTWARE OVERVIEW

Make engineering intent reach the finished product.

EiS connects stakeholder needs, requirements, behaviour, architecture and physical structure - so every important product decision keeps its reason for existing.



PROTECT INTENT

Keep the need visible as the system is decomposed.

SEE IMPACT

Follow change into architecture and product structure.

STRENGTHEN HANDOFFS

Transfer decision context with the engineering object.

WHY RELATIONS MATTER

The value is not a larger model. It is stronger continuity from need to product.

Every handoff can dilute intent. EiS makes the engineering thread visible, so teams can find expensive questions before they become late interface or product changes.

01 - EARLIER**Find lost intent**

Reveal needs without a downstream response while the solution can still be influenced.

02 - CLEARER**Understand impact**

Follow a changed requirement into functions, architecture and physical structure.

03 - STRONGER**Anchor handoffs**

Give the next discipline both the engineering object and the context behind it.

Relations become valuable when they change a decision - earlier, with better context and clearer ownership.

For engineering leaders

See where product confidence is weakened by missing coverage or fragmented ownership.

For engineering teams

Work from the same current thread instead of rebuilding the story in documents and meetings.

R-F-L-P CONNECTS INTENT TO REALISATION

One operating model keeps decisions connected across disciplines.

EiS structures the engineering thread as Requirements, Functions, Logical Design and Physical Structure. Relations preserve the why and reveal downstream consequence.

R**Requirements**

Capture stakeholder needs and measurable system requirements: why the product exists and what must be true.

F**Functions**

Define the required behaviour: what the system must do to satisfy the requirements.

L**Logical Design**

Allocate behaviour to the solution architecture before committing to physical implementation.

P**Physical Structure**

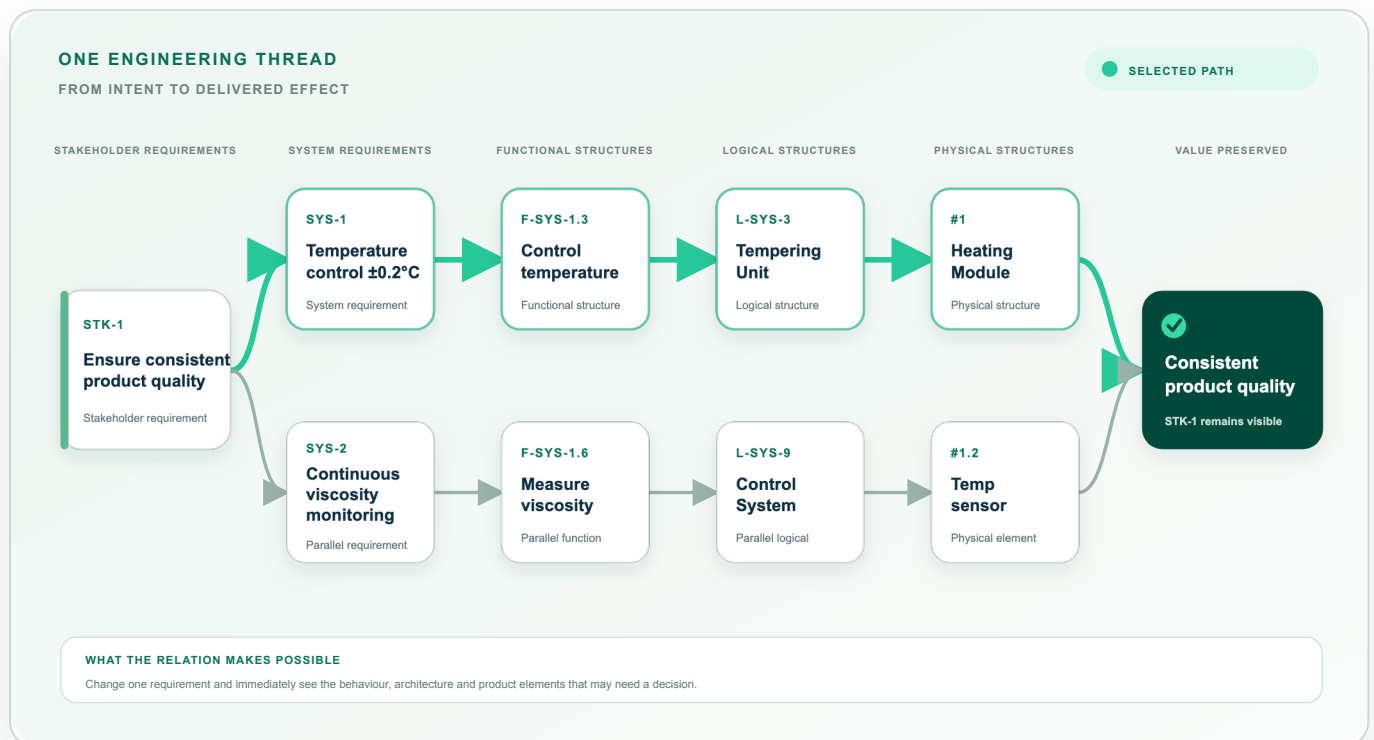
Connect engineering intent to the owned product elements that must be built and integrated.

The model earns its place when a team can make an earlier, clearer and better-owned decision.

SEE THE THREAD, NOT THE NOISE

Follow consequence from one need into the finished product.

A selected path stays clear while parallel dependencies remain available as context. The result is a relation model people can use in a decision.



A simplified view of the real STK-1 path. Entity IDs and names come from the application; unrelated relations are hidden for readability.

Trace the why

Every downstream choice retains a visible reason.

See the impact

A changed requirement exposes affected decisions.

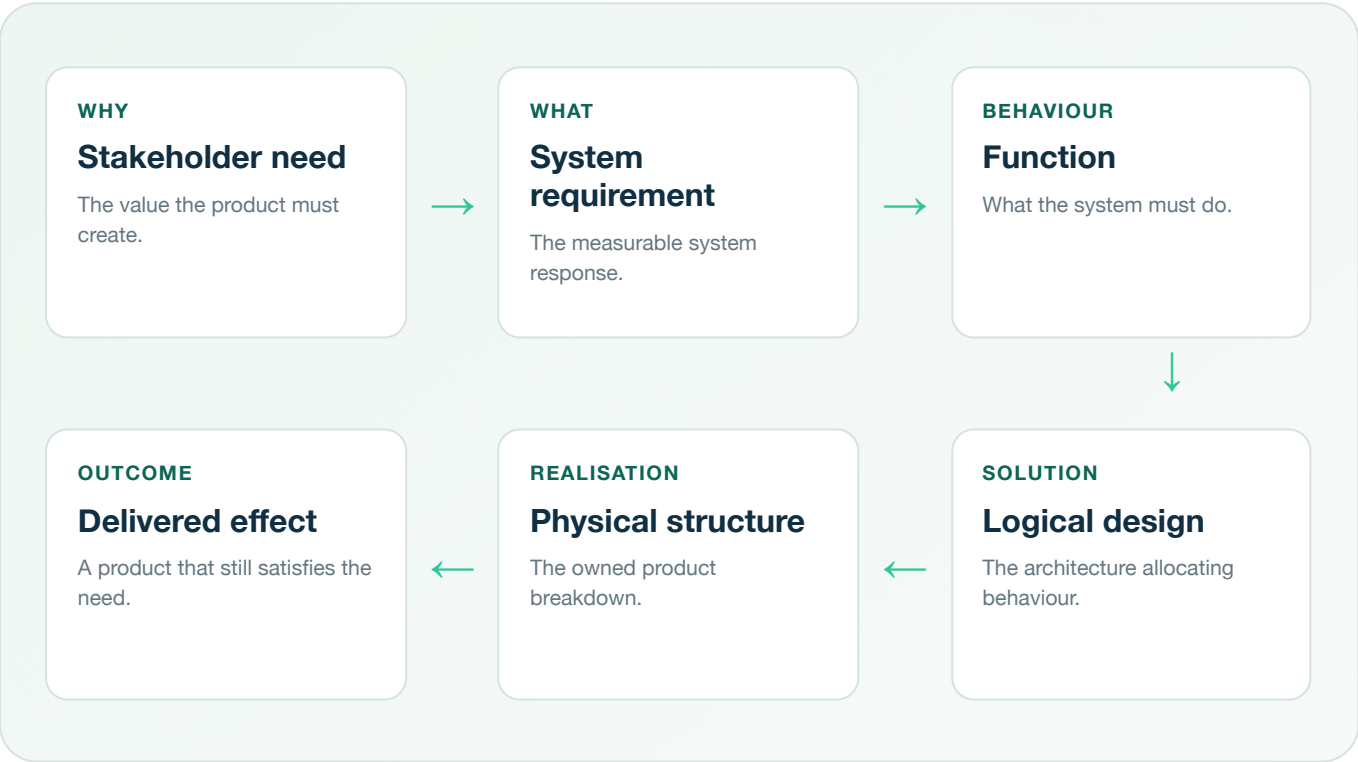
Protect the outcome

The delivered product remains tied to the need.

ONE DECISION THREAD

Follow one important engineering thread without the visual noise.

When a need or requirement changes, the thread reveals which behaviour, architecture and physical product elements may require a decision.

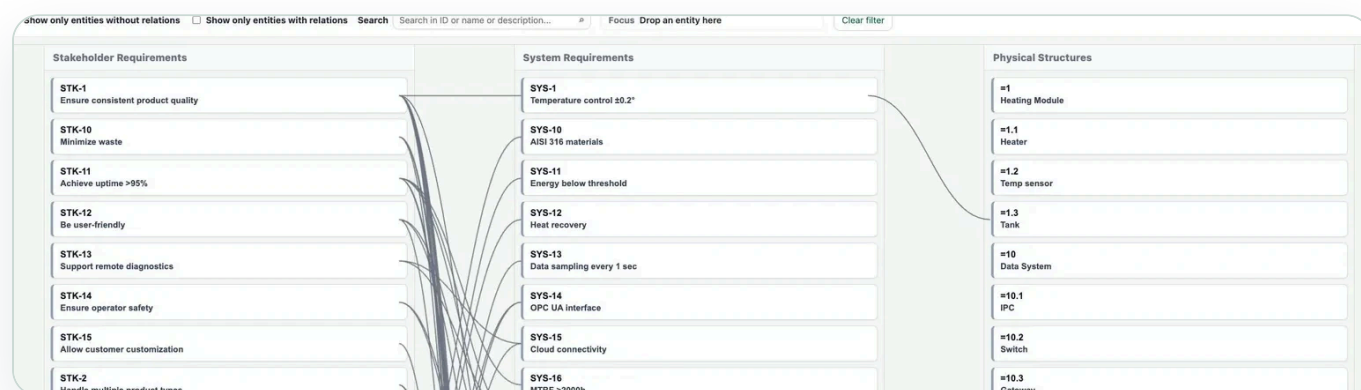


Intent survives decomposition Every downstream choice retains a visible why.	Change impact becomes traceable A changed need can be followed into the product.	Handoffs stay anchored Disciplines inherit the same engineering reference.
--	--	--

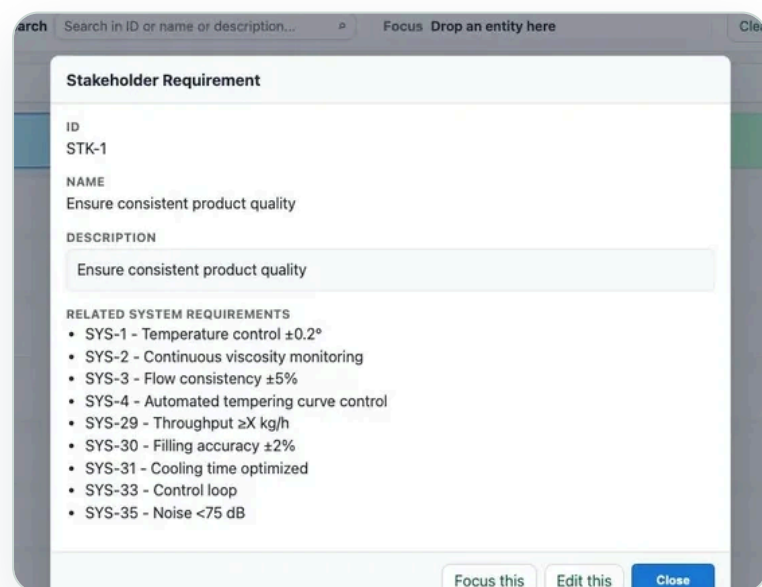
FROM COMPLETE CONTEXT TO ONE DECISION

Zoom out for consequence. Zoom in for action.

The basis relation view shows how stakeholder needs reach physical structures. Focus isolates the one requirement and its confirmed downstream responses.



A readable product crop: stakeholder requirements, system requirements and physical structures share one consequence chain.



One stakeholder need reveals its confirmed system responses in the demo.

Focus changes the conversation

Teams can discuss whether the responses are sufficient instead of first reconstructing where the need went.

- ✓ Keep the full model available
- ✓ Reduce visual noise for the current decision
- ✓ Carry evidence with the engineering object

WHAT CHANGES FOR THE PROJECT

Relations are valuable when they improve delivery decisions.

01

Expensive questions surface earlier

Missing coverage appears while architecture and product structure can still move.

02

Change has a visible path

Teams can see which functions, logical elements and physical structures may be affected.

03

Handoffs carry context

The receiving discipline gets the relation and rationale, not only a document or object.

04

Reviews start from evidence

The conversation focuses on sufficiency, exceptions and decisions rather than reconstruction.

05

Maturity level becomes visible

Physical dependencies can be tied to accountability, maturity level and a next review.

06

The product keeps its why

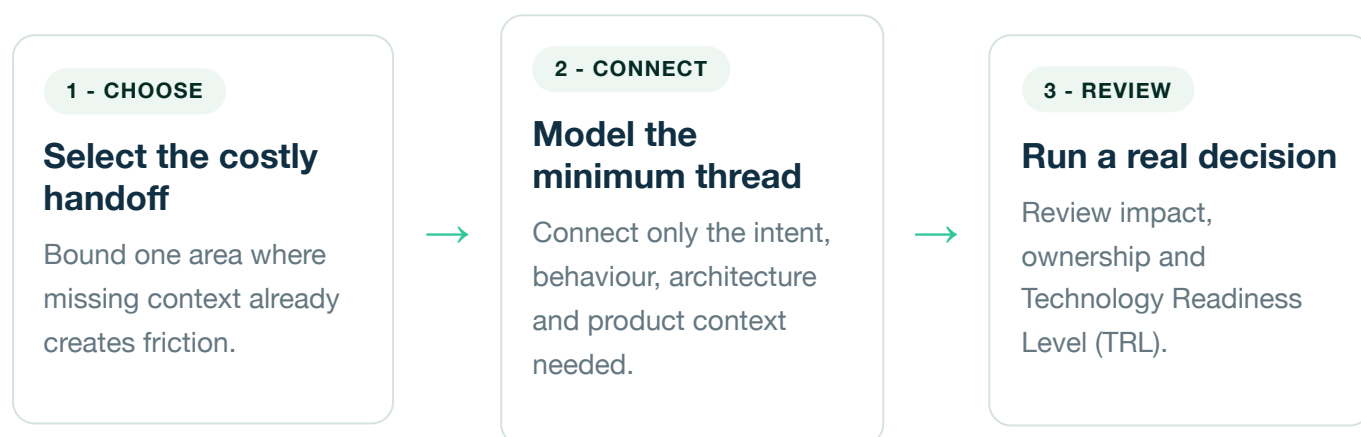
The delivered system remains connected to the stakeholder outcome it must create.

The objective is stronger throughput from engineering intent to finished product.

A VALUE-LED ADOPTION PATH

Prove EiS on one engineering thread where lost context already costs time.

Start with a requirement chain, an interface or a change review where teams currently rebuild context across documents and meetings.



TRL - Technology Readiness Level: an evidence-based indication of how mature a technology is for its intended operational use.

Success is not more modelling. Success is less lost intent, less reconstruction and a stronger handoff.

Bring one important engineering thread.

BEPA can frame an EiS walkthrough around the value you need to prove.

bepa-se.com/eis/