



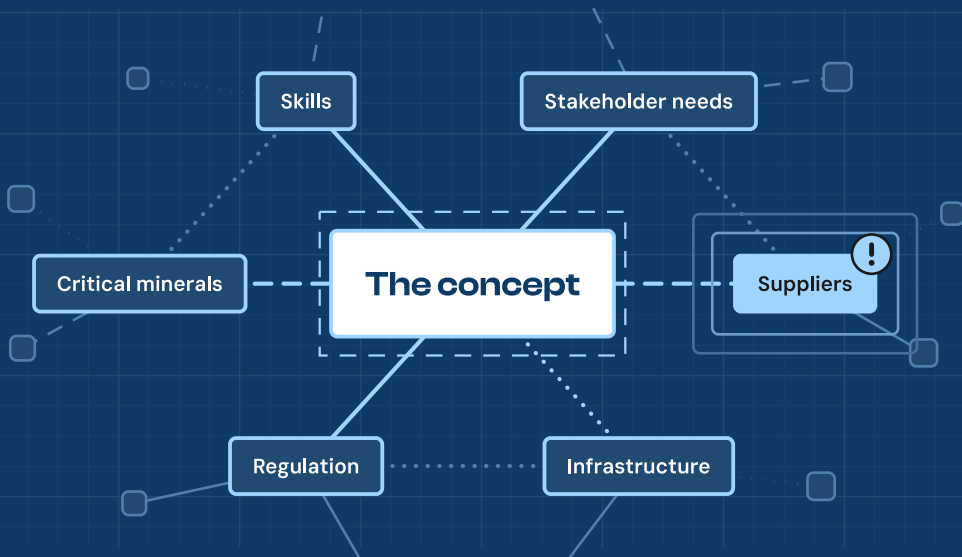
SOSX Engineering

See the whole system before the design is frozen

Systems of systems, mapped and analysed, for the concept design phase of MBSE

WHAT SYSTEMS THINKING IS

Systems thinking treats a programme as a system of systems: the design, and the suppliers, infrastructure and rules it depends on, joined by feedback loops and delays. You reason about the whole, not one part at a time.



HOW SOSX HELPS

Research

Agents research standards, suppliers and papers on a schedule, every claim cited.

Build

One typed network of the system of systems, on your own ontology.

Analyse

Trade-offs, what-if, risk, dependencies and loops on sourced parameters.

Report

Trade studies with their rationale, exported to your MBSE tools.

THE PROBLEMS IT SOLVES

“The decisions that commit most of the cost are made at concept stage, before a model exists to check them.”

“The programme depends on suppliers, infrastructure and rules that nobody on it controls.”

“Our requirement values trace back to a workshop photograph, not the evidence that set them.”

“Detailed design starts from a slide deck.”

KEPT CURRENT



Scheduled research re-reads standards, suppliers and papers; a committed decision is re-tested when a parameter under it moves.

AN ILLUSTRATIVE EXAMPLE

A hydrogen aircraft concept: fuel, airport refuelling, critical minerals and certification on one model. Change the refuelling assumption and the trade study shows which architecture still holds.

SCAN FOR THE FREE TOOLKIT

**Get the free systems-thinking toolkit for
SOSX Engineering**

sosx.ai/toolkits/mbse

Powered by **SOSX**

