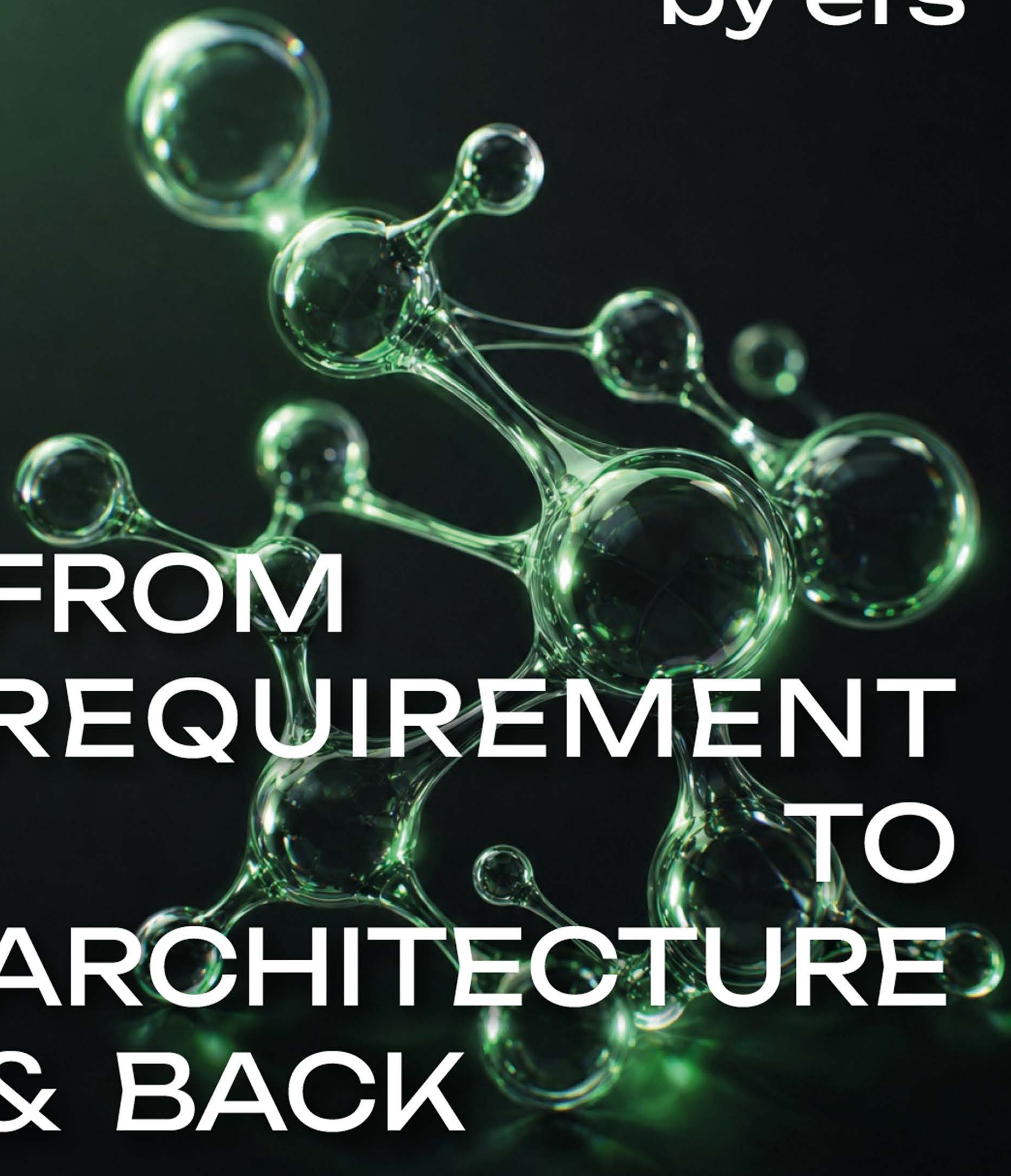


MBSE

by efs



FROM
REQUIREMENT
TO
ARCHITECTURE
& BACK

INTRO

A complete consulting and training portfolio for Model-Based Systems Engineering. From first model to enterprise-wide method rollout.

KEY FACTS

- Modular training cycles from fundamentals to expert practice.
- Tool-specific deep dives in Cameo™ Systems Modeler and SysML.
- Requirements engineering, system architecture, bus and signal modelling.
- 9-day standard cycle or 6-day intensive available off the shelf.
- Trainings staggered around real project work between modules.

THE CHALLENGE

Complex products without clear structures cost time, quality and trust.

WHERE TEAMS LOSE TIME

Requirements scattered across Word, Excel and email threads

- Architecture and requirements drift apart over the project lifecycle.
- Change impact unclear until late integration tests.

THE SOLUTION

→ MBSE by efs

We cover the full MBSE chain. Method, tool, team. Requirements engineering and system architecture work, delivered as services or consulting. Trainings around your tool stack and project context. Bus architecture and signal modelling for complex E/E systems.

KEY CAPABILITIES I

01. REQUIREMENTS ENGINEERING

Natural-language and model-based requirements work, delivered as engineering services. Stakeholders speak in plain language; the model captures structure.

02. SYSTEM ARCHITECTURE

Functional and logical architectures developed and connected for seamless downstream development. Designed for change tolerance, with explicit allocation between function and component.

KEY CAPABILITIES II

03. TRAININGS & WORKSHOPS

A 9-day Cameo™ cycle, a 6-day intensive course, or custom programmes designed for your audience. Modules sequenced flexibly with real project work between sessions.

04. BUS ARCHITECTURE & SIGNAL MODELLING

Modelling and validation of complex E/E architectures including bus topologies, signal definitions and network behaviour. Bridges classic communication design with the MBSE backbone.

SPECIFICATIONS & USE CASES

TECHNICAL SPECIFICATIONS

SERVICE LINES

- Requirements Engineering
- System Architecture
- Trainings
- Bus Architecture & Signal Modelling

PRIMARY TOOL

- Cameo™ Systems Modeler with SysML

TRAINING FORMATS

- 9-day cycle (4 modules)
- 6-day intensive
- Custom programmes

MODULE TOPICS

- MBSE Fundamentals
- Cameo™ Reader
- Cameo™ Writer

MODULE TOPICS

- MBSE Fundamentals
- Cameo™ Reader
- Cameo™ Writer

STRUCTURE

- Cameo™ Writer Behaviour

DELIVERY

- On-site, remote, hybrid
- Staggered scheduling supported

DOMAINS

- Automotive
- Energy
- Space
- Defence

TECHNICAL USE CASE E/E ARCHITECTURE MODELLING

Bus topology, signal definitions and network behaviour modelled in SysML. Full trace from system requirements to component interfaces.

USE CASE TEAM ENABLEMENT

9-day Cameo™ cycle for a full engineering team, with sponsors involved early. Trainees apply the method directly to their roadmap.

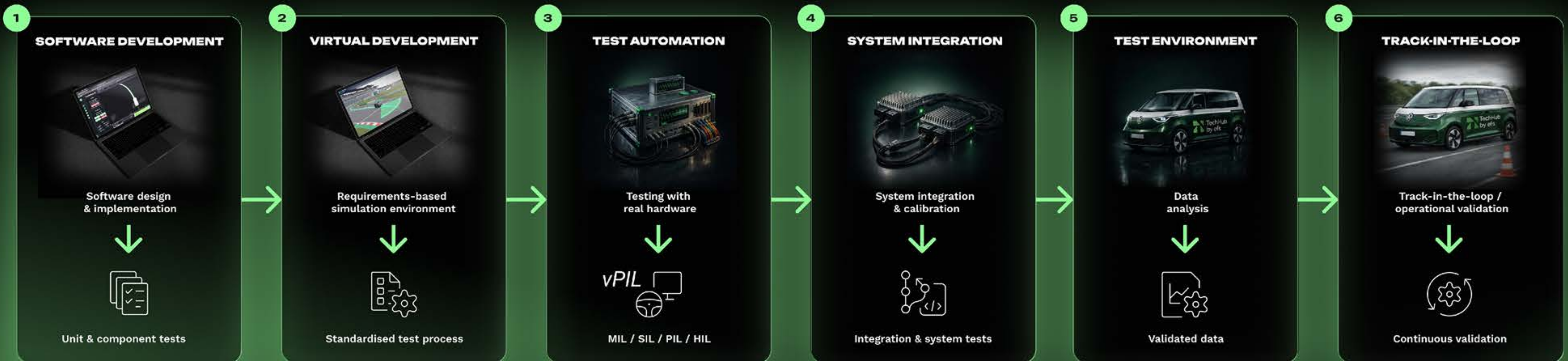
USE CASE MIGRATION TO MODEL-BASED

Method tailoring, tool rollout and pilot project support. From document-driven engineering to a managed model backbone.





END-TO-END VERIFICATION WITH IDENTICAL TESTS AND CONSISTENT DATA FLOW



MODEL-BASED SYSTEMS ENGINEERING

AI METHODS AS ENABLERS

(test design, anomaly detection, data analytics, predictive analytics, scenario generation)



TechHub by efs
efs-techhub.com
info@efs-techhub.com