

# SPECTRA

AI-Native Model-Based Systems Engineering Platform

**SPECTRA transforms how systems engineers design complex products like aircraft, satellites, and autonomous vehicles.** Describe your system in plain English, and AI generates valid SysML v2 models, diagrams, and certification documentation in seconds. Upload requirements from DOORS or Excel, and watch as AI creates the architecture, establishes traceability, and produces audit-ready compliance packages.

## THE PROBLEM

Enterprise MBSE tools cost **\$50K to \$150K per engineer annually**, yet systems engineers spend **40% of their time** fighting the interface instead of engineering. Creating a simple subsystem takes 45 minutes of menu navigation. Traceability is maintained in Excel spreadsheets. Certification documentation requires dedicated specialists spending months transcribing model content into Word. The result: **\$2M to \$5M annually** in modeling consultants and **6 to 12 month** certification delays.

## KEY FEATURES

### Natural Language Modeling

Describe systems in English, get SysML v2 models. "Create a thermal management system with redundant pumps."

### AI-Powered Compliance

Auto-generates DO-178C, ISO 26262, and IEC 61508 certification documents from your model.

### Bidirectional Sync

Diagrams and code stay perfectly synchronized. Edit one, the other updates instantly.

### Smart Traceability

AI suggests trace links between requirements, design, and tests. One-click acceptance.

## WHY NOW

The OMG approved SysML v2 for final adoption in **July 2025**, a complete reimaging of the language that forces every incumbent (Cameo, Rhapsody, Enterprise Architect) to **rebuild from scratch**. This once in a decade platform shift levels the playing field. Meanwhile, AI has reached the capability to understand complex engineering specifications and generate valid, structured outputs.

**\$7.4B**

MBSE Market Size

**13% to 16%**

Annual CAGR

**38%**

Aerospace/Defense

## BUSINESS MODEL

### Starter

#### Free

- ✓ 1 project
- ✓ Community support
- ✓ Basic diagrams

### Pro

#### \$99/mo

- ✓ Unlimited projects
- ✓ AI model generation
- ✓ Compliance docs

### Team

#### \$299/mo

- ✓ 10 seats
- ✓ Priority support
- ✓ Git integration

### Enterprise

#### Custom

- ✓ Unlimited seats
- ✓ SSO/SAML
- ✓ On-premise option

**\$500,000**

To go full-time, hire founding engineer, and launch beta with 5 aerospace customers.