

Deliver Innovative Products Faster With Jama Connect®

Safe and Secure-by-Design Consumer Electronics Development

In consumer electronics, speed and trust are the same problem. Miss on features or quality and you lose buyers and resellers; miss on safety, security, or environmental regulation and you face recalls, penalties, and lost market access.

New cybersecurity regulation has raised those stakes: under the EU Cyber Resilience Act, security is no longer a differentiator, it's a condition of selling a connected product at all.

EU Cyber Resilience Act

September 2026 — Reporting of actively exploited vulnerabilities begins.

December 2027 — Full conformity required. Penalties can reach a significant percentage of global turnover.

These pressures rarely arrive separately. A security weakness in firmware that controls a battery, a motor, or a heating element can defeat the very protection that keeps the product safe.

Jama Connect for Consumer Electronics Development brings hazard analysis and threat modeling together on a single requirements baseline, so the relationship between a safety obligation and the security control that protects it is visible while there is still time to act on it, and conformity evidence assembles from data you already structured.

Key Benefits

Guided, Measurable Product Development

Jama Connect reduces re-engineering and recalls by guiding teams through end-to-end development, automatically detecting gaps and risks across engineering data, and measuring system and process completion.

BUILT FOR THE STANDARDS THAT GOVERN CONSUMER ELECTRONICS

IEC 62368-1

IEC 60730

IEC 61508

EU Cyber Resilience Act

ETSI EN 303 645

EN 18031

AI Engineering Automation

The AI in Jama Connect Advisor™ automates manual, day-to-day tasks so engineering can focus on innovation. With the Jama Connect MCP server, the AI coding assistants your teams already use read approved requirements directly in the IDE, tracing upstream to the safety and security obligations behind them.

Digital Co-Development Across the Supply Chain

Internal development and quality teams, external subcontractors, and contract manufacturers jointly define and develop products in the same source of truth in real time.

Apply Intelligence to Product Line Engineering

Efficiently manage requirements and tests shared by related products in libraries selectable based on the relevant configuration.

Meet Safety and Security Obligations in One Model

Hazard analysis, threat modeling, security controls, and regulatory provisions trace to the same requirements baseline as the rest of the product, so conformity evidence assembles from data you already structured.

Manage Vulnerabilities and Disclosure From Design to Market

Software bill of materials, continuous monitoring of declared components, vulnerability triage, coordinated disclosure, and regulatory reporting — modeled as a running process rather than a one-time deliverable.



Figure 1: Hazard analysis and threat modeling converge on the same requirements baseline. The relationship between a safety obligation and the security control that protects it is recorded once, and visible whenever either one changes.

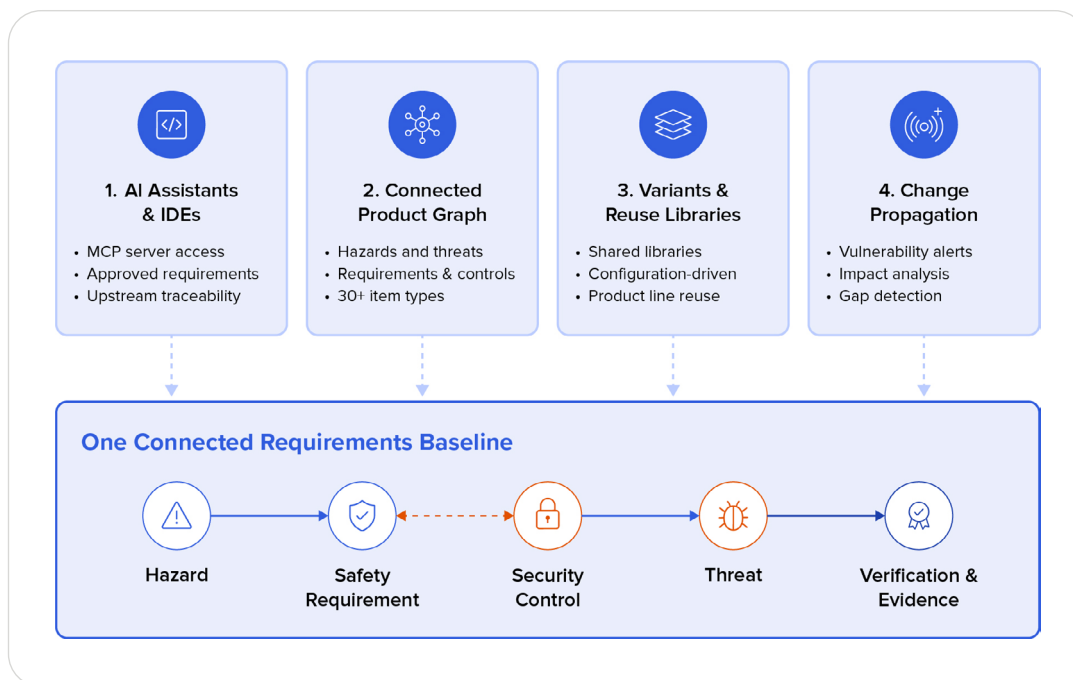
Jama Software's solution includes out-of-the-box product development, product line engineering, safety and cybersecurity regulation, co-development, and digital thread process recommendations for developing integrated multidisciplinary consumer electronics products, subsystems, and software platforms.

Jama Connect for Consumer Electronics Development Out-of-the-Box

The solution includes:

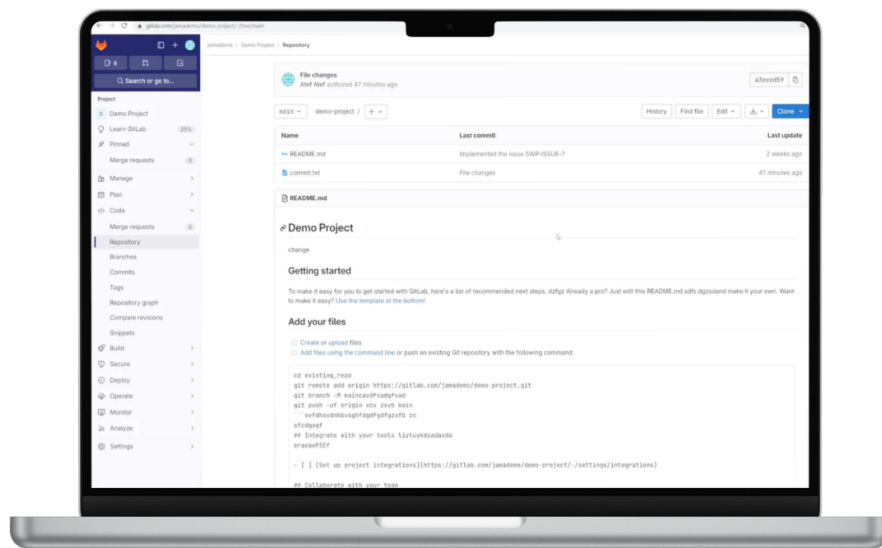
- Five-part procedure guide: requirements, functional safety, cyber security, verification, defect and change
- 121 development activities with step-by-step Jama Connect instructions and defined exit conditions
- 19 review gates with entry and exit criteria
- Traceability information model and data dictionary for 30+ item types
- Standards Library structure for reusable regulatory provisions and threat and vulnerability feeds

Jama Connect Enables AI-Native Engineering Management



Approved requirements, hazards, threats, and security controls live in one connected baseline. AI coding assistants read that baseline directly through the Jama Connect MCP server, so what they generate traces to the obligations behind it instead of to a stale export.

Organizations at the forefront of consumer electronics innovation recognize Jama Connect as the tool that provides competitive advantage in the market by enabling acceleration of development and bringing innovative products to market faster.



To learn more about managing your consumer electronics and home appliance requirements, tests, and risks more intelligently and efficiently with Jama Connect, visit www.jamasoftware.com



Suitably validated by TÜV SÜD for safety-related Development



Jama Connect® complies with all EU Privacy Shield Framework program requirements



Jama Connect is SOC2 Type 2 certified in both the server and application



Ensures strong privacy management practices

1. *Suitably validated by TÜV SÜD for safety-related development*
2. *Jama Software complies with the EU-US Data Privacy Framework (hold for security/legal confirmation of DPF certification status — if not confirmed by Thursday EOD, ship with three tiles)*
3. *Jama Connect is SOC 2 Type 2 certified in both the server and application*
4. *Ensures strong privacy management practices*

ABOUT JAMA SOFTWARE

Jama Software is focused on accelerating product velocity with AI-driven development across multidisciplinary engineering organizations. Using Jama Connect, engineering organizations can now adopt AI-driven development while intelligently managing the complexity and compliance of parallel development, automated pipelines, and industry standards. Our rapidly growing customer base spans aerospace & defense, automotive, medtech & life sciences, semiconductor, industrial manufacturing, consumer electronics, infrastructure, robotics, and energy. For more information about Jama Connect services, please visit www.jamasoftware.com.