

**jama connect™**

# Ansys SCADE Suite Advanced Modeler Integration

Together, Ansys and Jama Software are providing unrivaled impact analysis in product development

## Integration Overview

The strategic partnership between Ansys and Jama Software is designed to benefit organizations in regulated industries including aerospace, automotive, and defense. Industry standards and regulations supported with the integrations include ISO 26262, DO-178 and DO-254.

## Launch High-Quality Products Faster While Adhering to Functional Safety Standards

The Ansys SCADE Suite is a model-based development environment used to design critical embedded software. SCADE Suite drastically reduces project certification costs by simplifying critical control application design and automating verification and documentation generation. SCADE Suite KCG Code Generator is qualifiable as a development tool under the following industry standards and regulations:

- DO-178B level A
- DO-330 TQL-1 tool under DO-178C
- ISO 26262 at ASIL D and C
- IEC 61508 2010 at T2/SIL 3
- EN 50128:2011 at TS/SIL 3 /4

Jama Connect™ is a solution for managing complex product requirements, risk, and test. Together, this comprehensive, integrated solution enables greater impact analysis for engineering teams and delivers enhanced insights through the activation of traceable links from safety requirements to their specific properties, such as the safety integrity level (SIL/ASIL) within the development process.

This partnership allows teams to get high-quality products to market faster without sacrificing safety. It also empowers businesses with a more holistic and complete view of the end-to-end product development process and provides extended traceability through the inclusion of more engineers across more phases of the design cycle.

## ANSYS + JAMA SOFTWARE GIVES YOU MORE

### Product Development Visibility

Every stakeholder works with the same data, creating a single version of the truth. This provides real-time visibility into the current status of every development project.

### Automated Traceability

As designs travel through the various stages of development, analysis, and verification, the integrated solution automatically tracks each activity. Along the way, stakeholders receive enhanced insights through the activation of traceable links from safety requirements to their specific properties.

### Compliance to Functional Safety Standards

The linked Ansys-Jama solution automatically generates all the detailed documentation required to meet safety standards in automotive, aerospace, healthcare, and other regulated industries.

### Flexible, Agile Solution

The Ansys-Jama integration is also adaptable to development processes like Waterfall, Hybrid, Agile, SAFe, and V model.

- Product Development Teams
- Quality and Reliability Teams
- Functional Safety Manager

## How Ansys SCADE is Integrated to Jama Connect

Ansys and Jama Software have formed a strategic partnership to help product development teams increase their level of collaboration and communication. This integrated solution provides a powerful toolset that links the key activities of product development, quality and reliability assessment, and functional safety analysis—revolutionizing the journey to regulatory approval and market launch. This partnership benefits clients in regulated industries including aerospace, automotive, and defense. Standards and regulations supported through this partnership include ISO 26262 and DO-178 and DO-254.

## Benefits of the Integration

Jama Connect Users	SCADE Users
Complete traceability for requirements throughout the Jama Connect and Ansys SCADE Suite tool chain.	Continued access to toolset enabling teams to support model-based development of safety-critical products.
Clear visibility into quality parameters and test results in real time.	Complete context of the customer requirements and priorities with every stakeholder working from the same data.
Streamlined project certification tasks with alignment to industry standards and regulations.	No manual effort to complete project certification with a qualifiable code generator tool aligned to industry standards and regulations.



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