



CUSTOMER STORY

With Jama Connect[®], TELEDYNE e2v Improves Communication, Review Cycles, and Efficiencies, Reducing Risk in the Development Process

Jama Software[®] helps Teledyne e2v improve process efficiency and product quality with a tool that provides a single source of truth with end-to-end traceability, enabling them to effectively manage increasing project complexities while reducing risk.



Teledyne e2v is a global leader in specialized components and subsystems for innovative solutions in medical, science, aerospace, defense, and industrial applications.

- Over 1600 employees in countries across Europe, America, and Asia.
- As a result of their track record of innovation and technological breakthroughs, Teledyne e2v continues to be involved in many high-profile ground-breaking programs

Teledyne e2v's success is built on long-established relationships with industry partners. The combination of their strong, in-house technical capability and links with technical authorities and universities, ensures that they can bring together the right level of expertise for a diverse range of technical challenges.

They offer:

- RF Power solutions for defense, medical, marine, industrial, and security applications
- Imaging solutions including CCD and CMOS sensors and cameras, for space and earth observation, life science, machine vision, and medical applications
- Semiconductor solutions for aerospace and defense hi-rel microprocessors, high speed data converters, and high reliability ICs

TELEDYNE E2V CUSTOMER STORY OVERVIEW

A single source of truth increases product development efficiencies and improves the flow of information for Teledyne e2v

To meet the challenge of producing components and systems with increasing complexity, Teledyne e2v turned to the easy-to-use Jama Connect platform to provide a single source of information and end-to-end traceability for some of their product development teams.

OBJECTIVES

- Optimize information flow
- Improve formal review process
- Find a product development tool that would garner broad adoption

SOLUTIONS

- Jama Connect's ease-of-use for adoption with product development teams
- Improved traceability
- Cross-team visibility and baselines = improved pace of development
- Structured and streamlined verification and validation
- Jama Connect review center facilitates clear communication
- Easy to set up and maintain data models and workflows

RESULTS

- Time-saving efficiencies in meeting and decision making
- Streamlining and simplification of tools
- Driving systems thinking across the organization



1

Optimize Information Flow

Teledyne e2v develops components and systems for optimized applications (for example in radiotherapy and space applications) that must deliver very high performance in specific and demanding environments. Meeting these standards at speed and with quality requires thought, design work, optimization, and a single source of information accessible to project teams that stays up to date throughout the product lifecycle.

The main goal for Teledyne e2v was to improve efficiency in the flow of information between individuals and teams, while also increasing the levels of traceability in the design process. The communication between customers, engineers, technical specialists and product managers, requires connecting different individuals and documents.

To address these challenges, the Teledyne e2v team knew that a single source of truth, one place where information is located with shared access and visibility, would enable them to meet increasing project complexities effectively.



2

Improve Formal Review Process

Teledyne's e2v team understands that structured collaboration is at the core of effective review cycles in product development work. To achieve maximum efficiency, they were looking for a platform that could streamline and facilitate real-time collaboration that allowed reviews, comments, decisions, and amendments to be seen and shared between all relevant stakeholders.



3

Find a Product Development Tool That Would Garner Broad Adoption

It was important for the Teledyne e2v team to introduce a tool that was intuitive and have an easy-to-use interface that was approachable for even traditionally non-tool users. They knew that if they could get more people to adopt a tool, they could increase efficiencies and reduce risk across the end-to-end product development process.



1

Jama Connect's Ease-of-Use for Adoption with Product Development Teams

For the Teledyne e2v team, Jama Connect's ease of use and intuitive user interface was the number one reason for adoption, Craig Grocott, Head of Systems Engineering, explains that "because it's web-based, it is easy to use. The licensing model allows you to have free licenses for reviewers, and that's important. If you want to bring everyone in and get them using the tool."

The Teledyne e2v team was also impressed by the onboarding and flow of information from the Jama Software team who provided useful and insightful resources into some of the business case drivers which helped them to consider things that they perhaps hadn't already considered.



2

Improved Traceability

Improved traceability has been an important part of Teledyne e2v's process change with Jama Connect —and cross-team visibility is the key to success.

The Teledyne e2v team works on a progressive assurance model and a test-driven lifecycle. And now, with the end-to-end traceability provided by Jama Connect, they're able to do this in a shared way.

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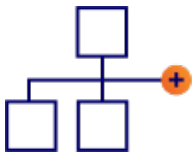
Especially this last year, in an increasingly remote work environment, Jama Connect has enabled us to do things that we wouldn't have been able to do before and have a clear single source of truth for those teams.

Craig Grocott

Head of Systems Engineering, Teledyne e2v

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One key benefit of Jama Connect, is that teams can easily find information they need, when they need it — saving them valuable time. Teams can also now focus on and identify the highest risks to meeting the requirements and make decisions based on their engineers' assessments.



3

Cross-Team Visibility and Baselines = Improves Pace of Development

By recording their decision-making in real time across the product lifecycle, creating baselines, and having broad visibility into how those choices were made, Teledyne e2v's team believes it has improved the quality of their decisions and created new product development efficiencies.



4

Structured and Streamlined Verification and Validation

At times, Teledyne e2v may be required to meet regulations and standards and verify them to a sufficient standard in order to prove compliance.

Jama Connect is enabling them to conduct verification in a structured manner, so they can create the proper links between the requirements and verification, manage the evidence in one place, report on it, and check coverage.



5

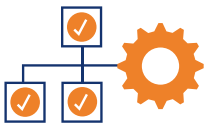
Jama Connect Review Center Facilitates Clear Communication

The Jama Connect Review Center has provided a platform for the Teledyne e2v team to improve their review process and enable them to reduce risk. Reviews are easy to manage and ensure that comments are being acted upon. The record of the review, including all the comments, is in one place, making it easier to revisit decisions in the future.



Review Center is facilitating communication. It has ensured a shared view of the world and agreement from all stakeholders. There are no surprises anymore. Jama Connect enables us to review documents and make decisions easily with everyone coming to a shared conclusion.

Craig Grocott
Head of Systems Engineering, Teledyne e2v



6

Easy to Set Up and Maintain Data Models and Workflows

For the Teledyne e2v, simplicity and consistency across the business in the way project teams work was a key driver for finding and implementing a tool like Jama Connect. They needed a requirements, risk, and test management tool that allowed them to define and set up a consistent effective workflow,

Jama Connect has allowed the team to work seamlessly with a broad range of customers by allowing the use of different frameworks, data models, and workflows all in a single platform. With Jama Connect, it's easy to set up those models, and common elements can be reused, further improving consistency and reducing the maintenance burden.

RESULTS

1

Time-Saving Efficiencies in Meeting and Decision Making

With the single source of truth and real-time structured collaboration that Jama Connect provides, the Teledyne e2v team has streamlined the development process resulting in increased cross-team efficiencies and expedited decision making.

2

Streamlining and Simplification of Tools

After determining that Jama Connect was a sensible, easy-to-use, and easy to adopt tool that would increase efficiencies, having a customer saying they were going to use Jama simply sealed the deal and is helping Teledyne e2v achieve their goal of streamlining and simplifying their tools and processes.

Jama Connect has enabled a focused model of engineering leadership, with identified owners of top-level vision, and a streamlined, single source of truth. This has shown strong potential to leave developers with greater freedom to manage the detailed development and implementation in-line with the vision that is clearly communicated and controlled within Jama Connect. Leveraging this further across all projects and product developments is a key ambition for the team.

3

Driving Systems Thinking Across the Organization

Teledyne e2v's leadership knows that tackling complex engineering problems and projects requires a structured and systematic approach. They needed a tool that would support their engineers and technical specialists to work in a structured way—without the tool getting in the way. Jama Connect enables this and is helping to drive systems engineering discipline further into the team, not only standardizing the way people work, but making it a positive experience.

The Future

The initial rollout of Jama Connect has focused on large, more complicated systems projects. The next phase will look to roll the tool out into the small projects in order to leverage the benefits that have been witnessed with projects during the initial pilot phases. The next phase of rollout will focus on adopting more of the tool's capabilities around test case management and reuse across existing projects.

Overall, the future plan and expectation for the Teledyne e2v team is further adoption by championing Jama Connect across the wider business organization.



ABOUT JAMA SOFTWARE

Jama Software is focused on maximizing innovation success. Numerous firsts for humanity in fields such as fuel cells, electrification, space, software-defined vehicles, surgical robotics, and more all rely on Jama Connect® requirements management software to minimize the risk of defects, rework, cost overruns, and recalls. Using Jama Connect, engineering organizations can now intelligently manage the development process by leveraging Live Traceability™ across best-of-breed tools to measurably improve outcomes. Our rapidly growing customer base spans the automotive, medical device, life sciences, semiconductor, aerospace & defense, industrial manufacturing, consumer electronics, financial services, and insurance industries. To learn more, visit us at: jamasoftware.com.