



CUSTOMER STORY

ETAS NI Systems Selects Jama Connect[®] for its Power, Flexibility, and Useability

Jama Software[®] Professional Services helps ETAS NI Systems, innovator in the automotive sector, customize Jama Connect for their specific needs and get up and running quickly.

- 50 employees with headquarters in Stuttgart, Germany
- ETAS NI Systems was formed in 2019 when ETAS GmbH and National Instruments joined to create a new venture
- Headquartered in Stuttgart, Germany
- **Specialty:** ETAS NI Systems designs, builds, and services pre-integrated hardware-in-the-loop (HIL) systems for the automotive industry

In the rapidly evolving automotive sector, driven by electrification and advanced driver assistance systems, ETAS NI Systems helps customers by designing, building, and servicing pre-integrated Hardware-in-the-Loop (HIL) systems.

Started in 2019 when National Instruments and ETAS GmbH joined forces to create a new venture, ETAS NI Systems now employs around 50 people and serves the automotive industry worldwide.

ETAS NI SYSTEMS CUSTOMER STORY OVERVIEW

With a mission to improve testing and validation of software in automotive electronics, including electronic control units and sensors, ETAS NI Systems is working hard to keep automotive development safe.

As a newly formed company, ETAS NI Systems didn't waste any time before evaluating and implementing a requirements management solution. They knew that there was too much at stake.

OBJECTIVES

- Demonstrating compliance
- Reusing requirements across multiple projects
- Getting up and running quickly without in-house tool expertise

SOLUTIONS

- Single source of truth for organizational visibility
- Powerful, flexible solution
- Quick implementation of easy-to-use platform

LOOKING FORWARD

- Faster development cycles
- Improved communication between teams
- Increased efficiency from reuse

OBJECTIVES

ETAS NI Systems knew they had a shot to get their product development process right from the very beginning, and that selecting the right requirements management platform was key to their success.

“I had worked with powerful requirements management solutions in the past, and I knew that using something like Word and Excel weren’t an option for our team,” said Hans-Peter Dürr, Technical Director at ETAS NI Systems. “They don’t provide the flexibility required for our complex projects.”

With all options on the table, the team began their evaluation process knowing that the requirements management solution must help them with the following challenges:



1 Demonstrating compliance



2 Reusing requirements



3 Getting up and running quickly

1. Demonstrating Compliance

Because ETAS NI Systems works with automotive companies worldwide, they needed to find a system that helps their clients demonstrate compliance with industry regulations and standards. Many of their clients must comply with a variety of regional safety and compliance standards (e.g., IEC61010), and without a structured requirements management solution, proving compliance would be manual and time consuming for the ETAS NI team.

2. Reusing Requirements Across Multiple Projects

The team estimates that more than 70% of requirements can be used across projects, especially when it comes to demonstrating regulatory compliance. Therefore, it was crucial that ETAS NI Systems find a solution that would allow them to save valuable development time by having the ability to easily reuse requirements across multiple projects.

3. Getting Up and Running Quickly Without In-house Tool Expertise

Above all, the team knew they needed a solution that they could and would actually use.



“There are a ton of powerful requirements management solutions out on the market... but they require in-house expertise or months of training, and they’re still difficult to use. We needed a solution that we could get up and going quickly with and could easily train our teams how to use.”



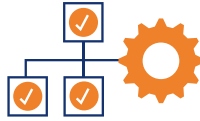
Hans-Peter Dürr
Technical Director,
ETAS NI Systems

EVALUATION

The ETAS NI Systems evaluation process was not short, nor was it simple – it was months long and included more than 20 different solutions. After a comprehensive evaluation of all available requirements management solutions, ETAS NI Systems selected Jama Connect because it was the only solution on the market that:



1 Provided a single source of truth for organizational visibility



2 Offered the flexibility and power required for complex product development



3 Had an easy-to-use platform that didn't require in-house expertise or extensive training

“The user experience was very important to us. We needed to find a tool that was web-based, customizable, and easy to use. We found that and more in Jama Connect.”

Hans-Peter Dürr

Technical Director , ETAS NI Systems

Not only did Jama Connect fit the bill for useability, but it also had all the functionality and power ETAS NI Systems needed to improve testing and validation of software in automotive electronics.

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Jama Connect's end-to-end traceability means that team members won't need to sift through documents to find or update a requirement. They're able to track the source of a requirement all the way through to the test case and follow any changes throughout the lifecycle of a product's development.

With Jama Connect, the ETAS NI Systems team can create catalogs of requirements in order to easily reuse requirements across multiple projects. In turn, this creates efficiency in the product development process and helps speed up design and development times to help customers get their products to market faster.

Thanks to increased visibility and a single source of truth in Jama Connect, the ETAS NI Systems team can now ensure secure, cross-functional collaboration across teams, customers, and complex supply chains to remove risk and friction throughout the development process.

Proving compliance with regulatory standards is now simple for ETAS NI Systems. With a documented record of regulatory compliance in Jama Connect, an audit trail is created automatically as products and systems are being developed instead of afterward.

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“Having all information be visible and available to every team in the development process is so important, and with Jama Connect, we know that everyone is looking at the same thing at the same time.”

Hans-Peter Dürr
Technical Director
ETAS NI Systems

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Onboarding Jama Connect Proves to be Quick, Easy, and Customizable for ETAS NI Systems

As important as it was for ETAS NI Systems to find a solution that had every feature on their list, it was equally important that the whole team was able to use it. Jama Connect's easy-to-use solution allowed the team to jump in with little training and get started customizing their projects.

“*Jama Software's Professional Services Team was incredibly helpful for getting us up and running quickly. They were patient with us as we figured out the right customization of the platform.*”

Hans-Peter Dürr
Technical Director
ETAS NI Systems

At first I thought, we're a bunch of engineers... why would we need help setting up an engineering solution? But the Jama Software team worked closely with us to show us what was possible, and how to implement solutions in a way that met our specific needs. It was very helpful.”

LOOKING FORWARD

In the short amount of time that ETAS NI Systems has been using Jama Connect, the feedback has been immediately positive. Dürr says they already have plans to rollout Jama Connect to the full team.

“Jama Connect has created great efficiency within our development process and we are looking forward to using it in both our internal projects and our customer projects moving forward,” said Dürr.



Jama Software® is focused on maximizing innovation success in multidisciplinary engineering organizations. 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.