![Jama Software logo](jama software®)

When Trial and Error Is Not an Option

Defense Subcontractor Mercury Systems Upgrades its Requirements Solution
From IBM Rational DOORS to Build Products on Time and on Budget

CHALLENGES

- Producer of high-stakes signal and image processing systems for defense and commerical markets

- Compliance with AS9100 required complete traceability

- IBM Rational DOORS was costly and lacked the necessary reporting capabilities

SOLUTIONS

- Selected Jama Connect for its reporting capabilities, clean user interface, and cost-effectiveness

- Manages 1,200–1,500 requirements in one place

- Keeps up to 300 engineers up to date on evolving requirements

Challenges

Mercury Systems designs and manufactures high-performance digital signal and image processing systems for the defense and commercial markets. Its solutions are, by definition, critical. In many cases, national security is at stake. Trial and error is not an option.

But the product development tool Mercury Systems was using, IBM Rational DOORS, was a barrier to Mercury Systems' development process. It was costly to manage and did not deliver the reporting capabilities Mercury Systems needs, particularly as the company prepares to comply with AS9100, an aerospace quality standard that requires complete traceability of product requirements.

MERCURY SYSTEMS COMPANY SUMMARY:

- Founded in 1981
- 1,001 – 5,000 employees
- Manufactures and designs safety-critical processing subsystems

Solutions

Mercury Systems explored several options to upgrade its product development process and ultimately chose Jama Connect™ because of its superior reporting capabilities, ease of use, and clean web-based interface. It helps that Jama Connect is incredibly cost-effective compared to Mercury Systems' previous solution.

A typical Mercury Systems product involves 1,200–1,500 requirements, and Mercury Systems manages all of them in Jama Connect. Up to 300 engineers use Jama Connect's Review Center regularly to share product requirements, iterate on specifications, and confirm mutually agreed-upon requirements.

"

You can attach comments to reviews, and this makes for a quick, dynamic review cycle. We can collect feedback earlier, and this allows more people to add value, all thanks to Jama Connect."

Joe Plunkett, Director of Systems Engineering, Mercury Systems

Business Benefits

Jama Software has made Mercury Systems' development process much more efficient. Engineers no longer sit in marathon sessions going over documents line by line, then frantically merging changes. Now they can easily manage all revisions, even if the project scope is modified daily.

Joe Plunkett was stunned that something that took him hours to do could be accomplished in a few seconds with Jama Connect. That's the power of Jama Connect — delivering great products on time and on budget.

> " We're working with a defense contractor on a multibillion-dollar project. They needed to generate reports and show traceability, so I sat down with the client and showed him how easy it is with Jama Connect."

Joe Plunkett, Director of Systems Engineering, Mercury Systems

ABOUT JAMA SOFTWARE

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.