



JRC Mobility

From Compliance Challenge to Compliance Success

JRC Mobility's Journey with xZETA



Transformed a Critical EU Cybersecurity Deadline into a Compliance Success

JRC Mobility Co., Ltd. contributes to the advancement of the connected car society with wireless technology at its core. While keeping future compliance with the **CRA (Cyber Resilience Act)** in view, **the company faced an urgent challenge:** meeting the harmonized standard series EN 18031 under the RED (Radio Equipment Directive), which took effect on August 1, 2025.

CHALLENGE

With no prior experience in vulnerability verification, the company needed to complete testing in a short period and prove that its products met regulatory requirements.

RESULTS

- **Achieved compliance** within the enforcement deadline by using VicOne **xZETA**, our automotive Software Bill of Materials (SBOM) and vulnerability management platform, along with dedicated support from the VicOne team.
- **Estimated 70–80%** reduction in workload compared to manual processes.
- Utilized xZETA for SBOM creation, supporting compliance with disclosure obligations.

“With the CRA deadline looming, we were overwhelmed by thousands of vulnerabilities. xZETA automated SBOM generation and prioritized real risks with automotive threat intelligence, helping us achieve compliance on time, deliver as promised, and build customer trust, even without prior compliance experience.”



Koji Kanazawa
Connected Business
Division at JRC
Mobility



We spoke with **Mr. Koji Kanazawa from the Connected Business Division**, who led the project, along with members of the software design team.

Q: Could you tell us about your company's business?

Our core business revolves around wireless devices, and we operate in three main areas:

- **Connected Business:** ETC products and mobile locators (positioning devices) for industrial vehicles such as construction machinery and trucks.
- **Sensing Systems Business:** Radar technology for speedometers and water-level meters, and GPS (GNSS) receivers with centimeter-level accuracy.
- **Mobility Infrastructure Business:** Systems ensuring safety during railway maintenance and mobile-phone relay devices for uncovered areas, such as subway stations.

Q: What is the role and mission of your department?

I belong to the Connected Business Division, which handles everything from development and design to mass production of ETC products and mobile locators for construction and agricultural machinery. Most of the products we handle are custom-made for specific customers. Therefore, meeting unique specifications and responding flexibly to tight deadlines are critical missions, with customer satisfaction as our top priority.

Q: What do you consider your company's unique value and strengths that customers appreciate?

We see three key strengths:

- **Manufacturing quality** backed by IATF 16949- and TISAX-compliant factories and long-term partnerships with automotive OEMs.
- **Technical excellence**, demonstrated by innovations such as the world's first GPS receiver for car-navigation systems and Japan's first ETC onboard unit for motorcycles.
- **Flexibility** in meeting custom requirements across a wide product range.

ABOUT JRC Mobility

Founded: **2018**

Headquarters: **Tokyo, Japan**

Industry: **Development, manufacturing, sales, and services of in-vehicle equipment, communication devices, and sensor-related products**



Q: What were the objectives of this project and the main challenges you faced?

The immediate trigger was the need to comply with the harmonized standard series EN18031 under the RED, which took effect on August 1, 2025. This regulation requires implementing secure software update functions. Vulnerability information is vast and constantly updated and extracting it comprehensively and reproducibly while considering complex version conditions is nearly impossible with manual processes. Efficient and reliable tool-based support is essential.

Our top priority was to leverage tools effectively and achieve compliance within the deadline to maintain business in the European market.

Looking ahead, the CRA is expected to **mandate continuous vulnerability monitoring** and reporting for a broader range of products, making this initiative an important foundation for future compliance.

Q: What were the most significant challenges during the project?

1. This was a newly enforced regulation, and we had no prior experience in compliance. We had to proceed step by step, verifying each requirement.
2. Filtering thousands of vulnerabilities detected by the tool and determining which posed real risks was extremely difficult, as was deciding on response strategies.

Above all, the enforcement date of August 1 was fast approaching, and completing everything within such a short time frame was the greatest challenge.



Q: What led you to consider VicOne's solution, and what was the deciding factor?

While exploring vulnerability monitoring tools with our customers for future CRA compliance, prior testing of xZETA gave us confidence in its usability, which was a major factor in our decision.

Among multiple vendors, VicOne stood out for its **speedy responses** and smooth evaluation process. Ultimately, their rapid and flexible support was decisive. Under a tight schedule, they accommodated our requests for tool configuration and feature enhancements, which was extremely helpful.

Additionally, since both we and our customers lacked prior experience with regulatory compliance, VicOne provided hands-on support, including guidance on vulnerability prioritization and filtering based on their expertise. Unlike some overseas vendors, where language and cultural differences can hinder communication, VicOne's **local presence** and ability to interact directly in Japanese gave us confidence throughout the project.

Q: What results did you achieve by implementing xZETA?

The xZETA interface is intuitive, allowing us to **proceed smoothly even as first-time users**. The greatest achievement was simply meeting the regulatory deadline. Compared to manual vulnerability extraction, we estimate a **70–80% reduction in workload**. Without xZETA and VicOne's support, meeting the target date would have been impossible.

Beyond vulnerability checks, we used xZETA to create SBOMs for the open-source software in our products and to extract vulnerabilities based on those SBOMs.

SBOMs are essential for meeting disclosure requirements under regulations such as the CRA. **Automating these processes significantly reduced management workload** while improving accuracy and coverage, enabling us to build a compliance framework smoothly.



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Koji Kanazawa

Connected Business Division
at JRC Mobiliy

Q: How do you view the future of cybersecurity, and what strategies are you considering?

We expect cybersecurity regulations to become stricter globally, starting with the CRA in Europe and expanding to the U.S. and Japan. **Security will need to be considered in all products**, not just those for specific regions.

Our internal strategy includes establishing a PSIRT (Product Security Incident Response Team) and enhancing security awareness and knowledge among all design and development staff. We plan to strengthen organizational capabilities through internal training and seminars.

Q: What do you expect from VicOne in the future?

As an automotive cybersecurity expert, we hope VicOne will go beyond providing tools and offer knowledge-based support. For example, seminars and e-learning programs on vulnerability management and mitigation would help us maximize the potential of the tools by improving our own skills, leading to more meaningful security measures. We expect combined support through tools and education to create synergy.

We also look forward to continued flexibility in responding to feature enhancement requests. **VicOne has already demonstrated this responsiveness, and we are very satisfied.**

In our work with JRC Mobility, we addressed the rapidly changing cybersecurity challenges in the automotive industry by working closely and flexibly with our customers under a tight deadline. This collaboration enabled us to provide support for product compliance and business continuity. Moving forward, VicOne will continue to go beyond providing tools and regulatory support.

Learn more and request a demo at VicOne.com.

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