ferrous systems

Ferrocene Supply Chain for Rust development:

Maintaining the safety and security of external code

Ferrocene Supply Chain for Rust helps developers and security teams address software safety and security concerns by providing the tooling and workflows required to continuously review and integrate external code – without sacrificing developer ergonomics.

Simplify your regulatory due diligence with Ferrocene

Ferrocene meets regulatory requirements
Addresses safety-critical standards (ISO 26262, IEC 61508, IEC 62304 and others) and upcoming supply chain regulations like the European Cyber Resilience Act (CRA).

Trust is good, re-validation is better
Based on Ferrocenes internal infrastructure and engineering values, we can ship Ferrocene in a way that allows you quick and easy re-validation on your side.

Document and trace your Supply Chain
Automated tooling generates Software Bill of Materials (SBOMs), tracks CVEs, and monitors known vulnerabilities leveraging tooling and modern standards such as CSAF. Maintain a complete overview of external components across all projects.

Safely integrate external code
Ensure that only vetted and approved external code is used in your environment. Whether verifying license compliance, safety, or certification levels, Ferrocene's workflow is extensible and adjustable to your needs.



www.ferrocene.dev

Ferrous Systems is the company leading in all things Rust:

Maintains open source projects

- Rust project contributors
- rust-analyzer
- bindgen
- sudo-rs

The builders of Ferrocene

The qualified Rust toolchain (ISO 26262, IEC 61508, IEC 62304) targets Linux, QNX and your choice of RTOS upon request. We also support bare-metal on Armv8-A and Armv7E-M.

Development support for Rust adoption

Custom development of libraries, tools and board support packages to help your teams adopt Rust.

The Ferrous Systems advantage:

Toolchain Independent
Compatibility with any Rust toolchain that supports a cargo-style packaging manager, including Ferrocene, the open source rustc, and other vendor distributions. Our services follow standard Rust protocols but are delivered from an infrastructure under your control.

Open source for your security needs
Ferrocene Supply Chain for Rust includes full Ferrocene toolchain sources and support for safely importing, building, and testing the code in your own environment. This allows you to review code and verify binary provenance with unparalleled transparency.

Protect your environment
Designed for closed-off environments, Ferrocene supports firewalled and fully airgapped, systems. Our tooling and assistance ensure Rust builds run seamlessly in your environment, providing a developer experience that rivals full internet access.

LTS and Archive
Built for long-terms support (LTS), Ferrocene allows projects to be security designed, archived, and easily restored for future fixes.

Built for CI/CD
Designed for seamless CI/CD integration with automatic builds and testing, leveraging experience from running CI on one of the largest open source codebases.

Reach out to our sales team to discuss pricing at sales@ferrous-systems.com for a consulatation.