



Renesas Ready Ecosystem Partner Solution LDRA Tool Suite



Solution Summary

The LDRA tool suite® is a flexible platform for producing safety, security, and mission-critical software in an accelerated, cost effective and requirement-driven process. The tool suite’s open and extensible architecture integrates software life-cycle traceability, static and dynamic analysis, unit test and system-level testing on virtually any host or target platform. The LDRA tools suite integrates with multiple toolchains – including CS+ and E2 Studio – and supports [Renesas RZ Family of MPUs](#), [RA](#), [RX](#) and [RL78 Family of MCUs](#) through LDRA target license packages.

Features/Benefits

- The core components of the tool suite are available in several configurations that align with common software development needs
- A comprehensive set of add-on capabilities are available to tailor the solution for any project.
- The LDRA tool suite® is certified to the following standard by SGS-TÜV Saar and TÜV SUD: IEC 61508, ISO 26262, IEC 62304, EN 50128

Diagrams/Graphics



Target Markets and Applications

- Automotive
- Consumer electronics
- Energy
- Industrial automation
- Medical devices
- Rail transportation

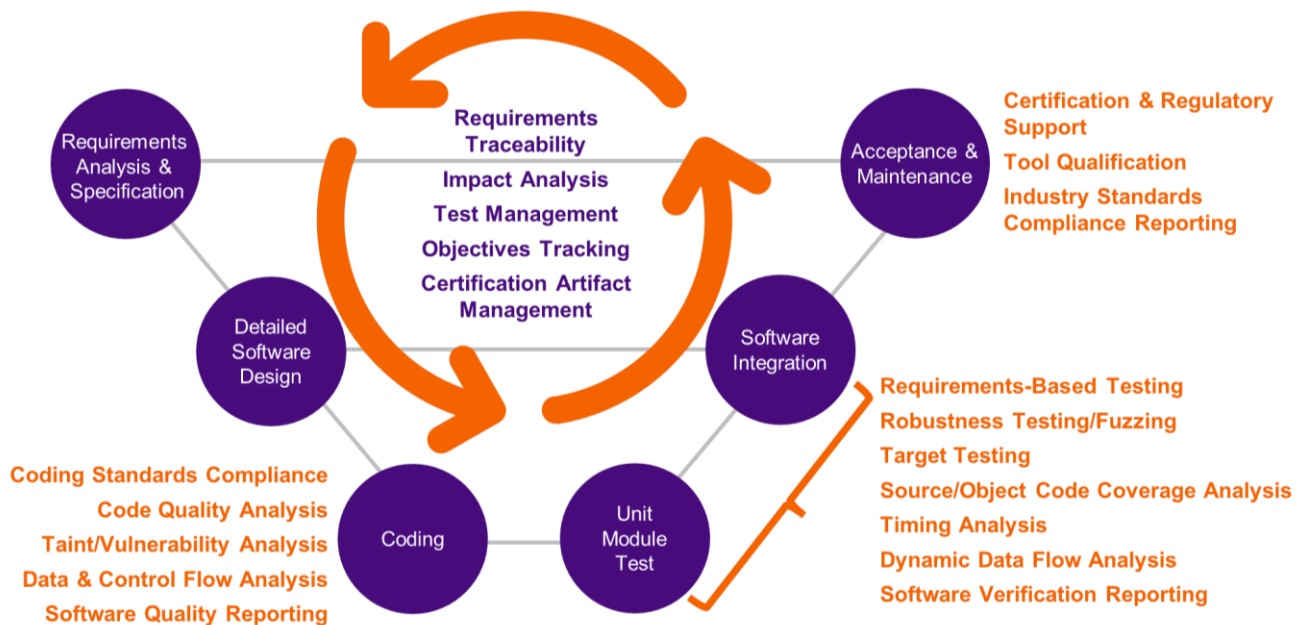
<https://ldra.com/products/ldra-tool-suite/>



The LDRA tool suite®

The tool suite enables safety and security critical software development teams to achieve certification or approval in accordance with rigorous standards in:

- Aerospace and Defense (DO-178C, DO-254, DO-278, Def Stan 00-56)
- Automotive (ISO 26262, ISO/SAE 21434, Automotive SPICE)
- Industrial and Energy (IEC 61508, IEC 62443-4-1, IEC 60880, ISO 13849)
- Medical (IEC 62304)
- Rail Transportation (EN 50128/EN 50716)



LDRA certification services & consultancy

LDRA offers a range of services, including consultancy for safety-critical software development, standards compliance, verification and validation (V&V), process improvement, and certification. Additionally, LDRA provides training, workshops, and tool chain customization services to support organizations in achieving and maintaining excellence in software development practices.

LDRA Target License Package for Renesas RZ, RA, RX and RL78 Families

The LDRA tools suite integrates with multiple toolchains – including CS+ and E2 Studio – and supports many Renesas microcontrollers and microprocessors. The LDRA tool suite integrations provide an out of the box solution for software development and verification teams to quickly and efficiently comply with functional safety and cybersecurity standards