RESORT Static Analysis Toolset

Based on RESORT's inter-procedural control & data flow analysis framework without executing the C, C++, Java, and SAP ABAP source code, RESORT's Code Checker detects all code defects and measures software metrics.
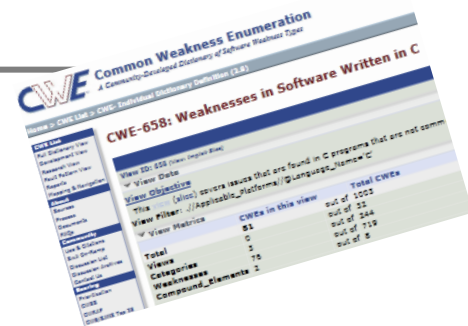
❑ *RESORT Product Features*

- **Source Code Analysis**: Works on source code only using "RESORT Code Analysis" technology without building (compile) step
- **Code Defect Detection**: identifies all defects of code quality, code vulnerability, run-time error, and embedded coding standards

Embedded Coding Standards

- MISRA-C2004, MISRA-C:2012, MISRA-C++:2008
- (Aerospace) JPL & BSSC Java/C
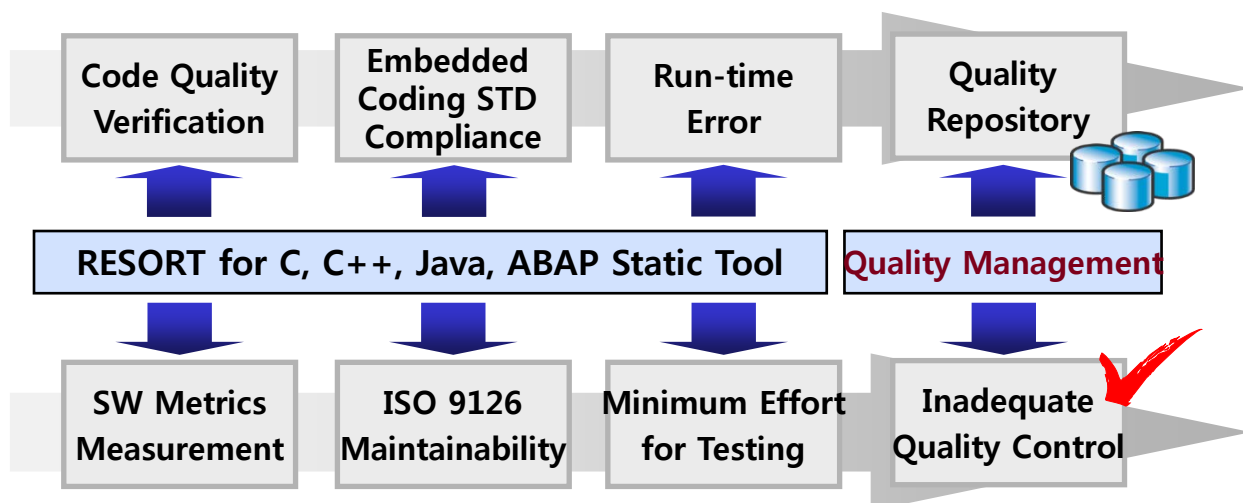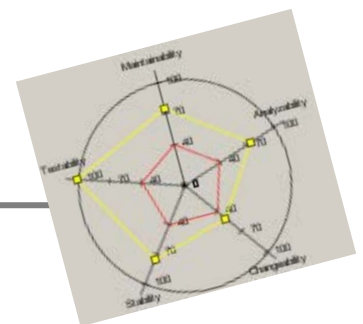- (Railroad: EN50128) C/C++, (Healthcare) C++

Run-time Error

- CWE-658(in C), CWE-659(in C++), CWE-660(in Java)

Security Vulnerability

- Juliet Test Suite C/C++, Java
- CERT C, CERT, C++, CERT Java
- CWE Top 25, OWASP Top 10

SW Metrics

- MISRA Software Metrics, HIS Source Code Metrics
- ISO 9126 Maintainability Quality Metrics

Code Quality Verification	Embedded Coding STD Compliance	Run-time Error	Quality Repository

RESORT for C, C++, Java, ABAP Static Tool | **Quality Management**

SW Metrics Measurement	ISO 9126 Maintainability	Minimum Effort for Testing	Inadequate Quality Control

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❑ **IDE Plug-in**

- Eclipse Kepler/Europa
- Ultra Edit
- JDeveloper
- Visual Studio
- Rational Software Architect
- Any Frameworks

❑ **CI-Server Plug-in**

- Jenkins
- Hudson