

logi.SAFE for SAM

Safe Automation Module

Architectural Overview

logi.WEB / SAFE Features



High Flexibility

Web based parameterization



Functional Safety

Static Code Analysis, Test Manager,
Lean Toolchain



High Portability

Fully Web Browser based, no client
installation needed



Supported Standards

ISO 26262, IEC 61508 up to SIL 3



Simple Application Engineering

No dedicated development skills needed,
Wiring and parameterization



Small Footprint

Whole system can be run on microcontroller:
Webapp, PLCopen-Library, Runtime, Web-Gateway

logi.WEB / SAFE Engineering Workflow



logi.WEB / SAFE Features

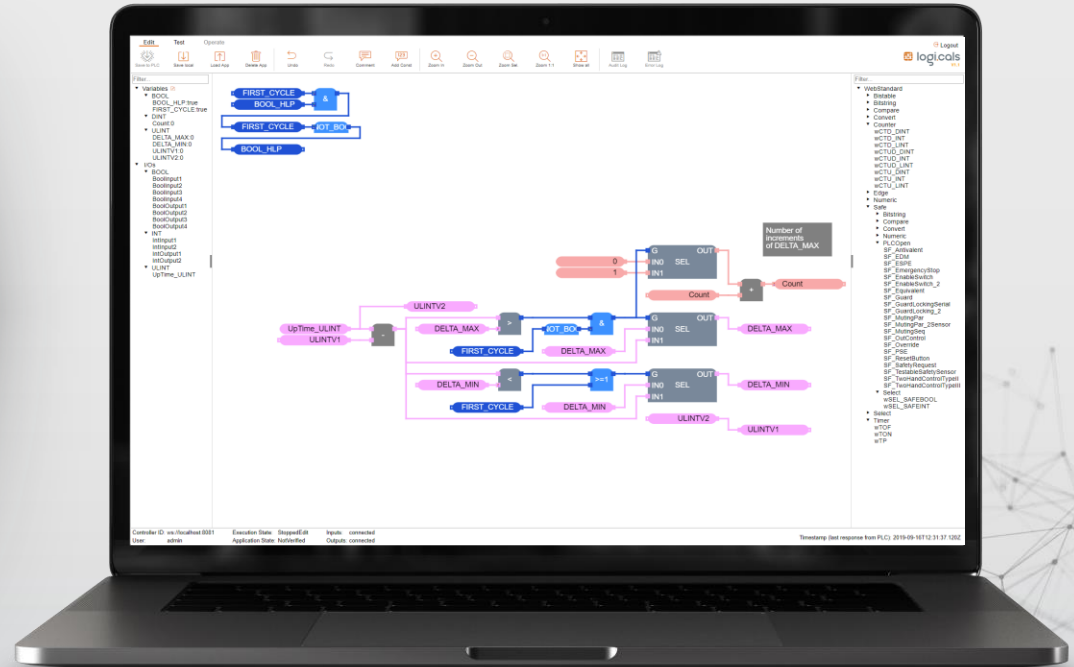


Library development

- Full featured development IDE (IEC 61131-3, C, C++)
- Configurable rule checker
- Integrated test framework
- Creation of Validated Safety libraries
- Automated Test System

Application development

- Web based parameterization
- Fully Web Browser based, no client installation needed
- ISO 26262, IEC 61508 up to SIL 3
- Whole system can be run on microcontroller

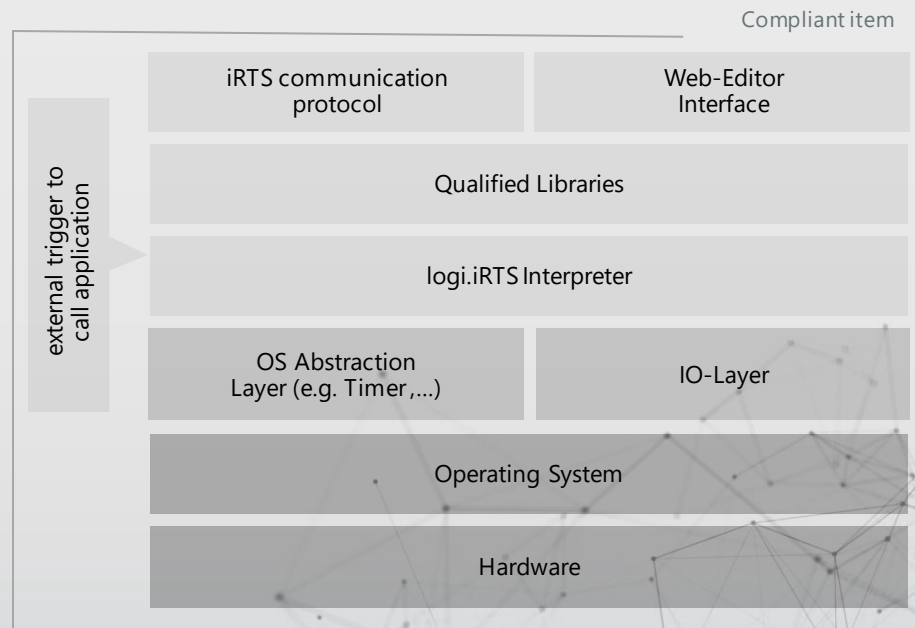


logi.iRTS Soft PLC



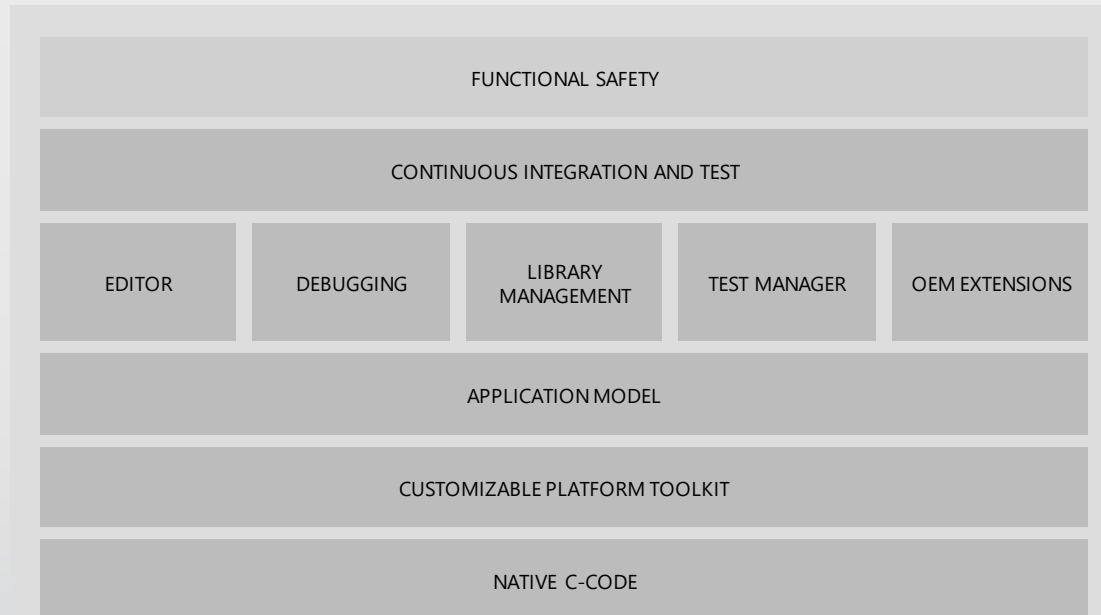
BROWSER PROGRAMMABLE RUNTIME SYSTEM

- Use web browser to configure FBD program
- Zero editor deployment
- Runs highly efficient binary code from the library
- Toolchain to develop and qualify library (IEC 61131-3, C, C++)
- Safe (up to SIL 3) and non-safe variants



logi.CAD 3

Schematic module overview

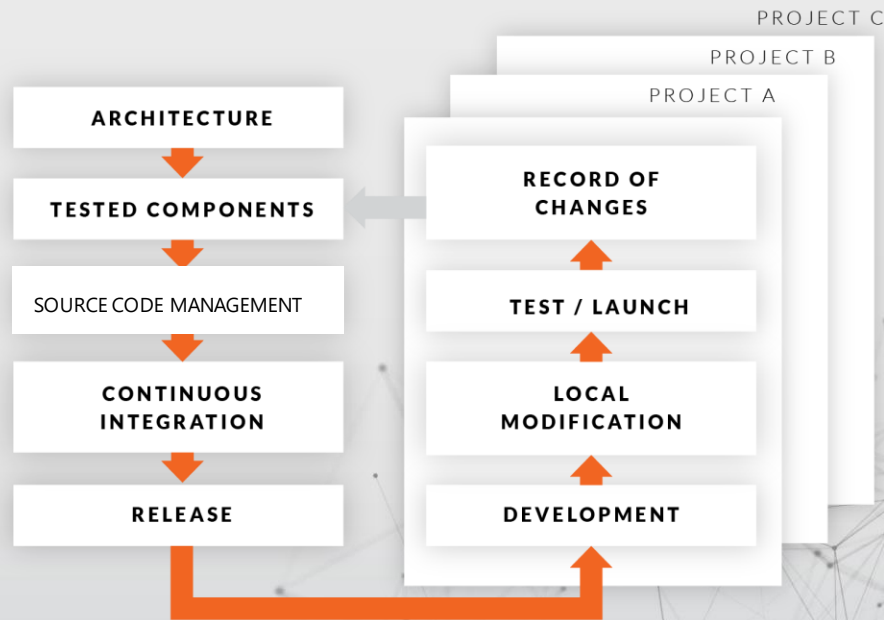


logi.CAD 3

Library Management



- Fast feedback on changes
- Re-use of existing solutions
- Optimized application development
- Know-How protection



logi.CAD 3 Test Manager



Static Code Analysis

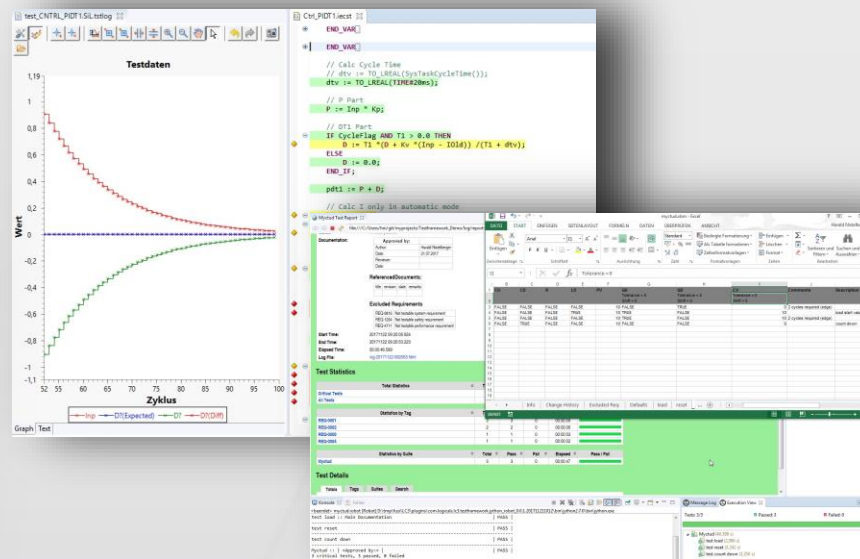
- Application Validation (Type and Instance Related Validation)
- Company global or user-specific guidelines

Test-framework

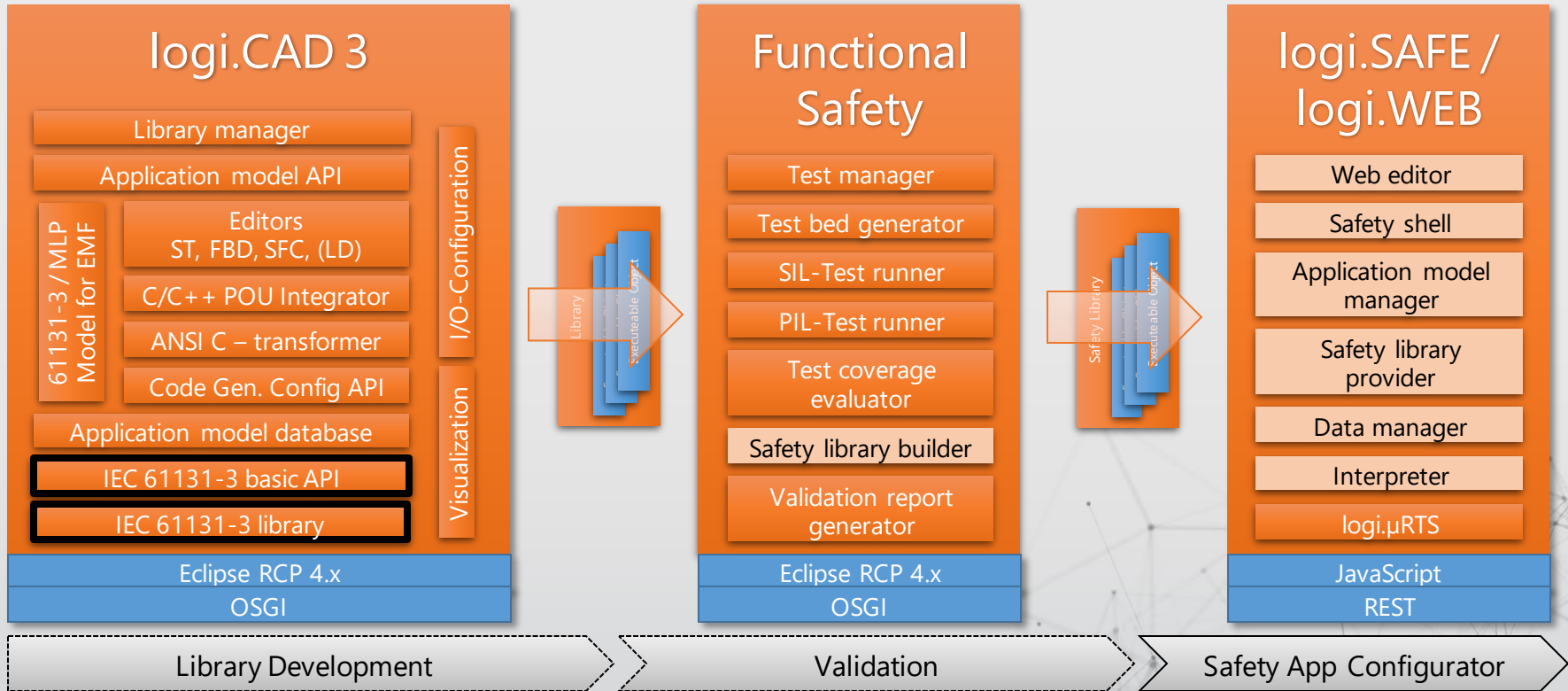
- Software in the Loop / Processor in the Loop Tests
- Microsoft Excel to create or edit test cases
- HTML Code-Coverage Report
- Out-of-the-Box support for Continuous Integration

Interfaces for Process integration

- Lean Toolchain (e.g. JIRA, ...)



logi.SAFE Technology Stack



Explanation

required at runtime in logi.SAFE, logi.WEB

New components

Let's talk!

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