



Innovative SME established in 2010

Active scientific research with numerous publications in international journals and conference proceedings

Active standardization efforts in MISRA C/C++/SQM WG and ISO/IEC JTC1/SC22/WG14 (C Standardization Working Group)

WHAT WE DO

Software verification tools and services for automotive, industrial, railways, aerospace, medical, agriculture and forestry

MAIN SERVICES

- Advanced Training
- MISRA compliance of legacy code
- Library qualification
- Technical consulting

MAIN PRODUCTS



ECLAIR Software Verification Platform ®

Features

- ✓ Advanced static analysis for MISRA compliance
- ✓ Verification of architectural constraints (independence, freedom from interference, isolation, segregation)
- ✓ Requirements management
- ✓ Continuous compiler qualification
- ✓ Software composition and comprehension
- ✓ Automatic toolchain configuration
- ✓ Smooth use from native GUI, IDEs, command line, CI/CD systems (Jenkins, GitLab, GitHub)
- ✓ Bug finding

ECLAIR Qualification Kits for CENELEC EN 50128 (railway), ECSS-Q-ST-80C (space), IEC 61508 (industrial), IEC 62304 (medical), ISO 26262 (automotive), RTCA DO-178C/DO-330 (aerospace)

2011 first commercial license
2013 first successful use in safety-related development

CERTIFICATIONS

ECLAIR is qualifiable and certified by TÜV SÜD for use in safety-related development in compliance with: ISO 26262 up to ASIL D, IEC 61508 up to SIL 4, EN 50128 up to SIL 4, EN 50657 up to SIL 4, IEC 62304 up to Class C, ISO 25119 up to SRL 3, ISO 19014 up to MPLr e

BUGSENG is certified UNI EN ISO 9001:2015 since 2020

