

SOURCE CODE QUALITY

Safeguard the technical and economical viability of your software system in the long term

Primarily code quality is focused on non-functional requirements like modularity, reusability, analysability, modifiability, testability and comprehensibility of the source code as well as on formal requirements like programming style and compliance of best practices (i.e. patterns, style guides). Due to more complex software systems code quality represents a fundamental pillar of software development.

- 🚀 **Static code analysis**
- 🚀 **Code reviews**
- 🚀 **Software metrics**
- 🚀 **Coding guidelines**
- 🚀 **Coding process**
- 🚀 **Developer tests**
- 🚀 **Tools**
- 🚀 **Developer trainings**



“Any fool can write code that a computer can understand.
Good programmers write code that humans can understand.”

Martin Fowler

Your Benefit

- 🚀 **Profitability**
Higher economic efficiency of software development by means of good source code
- 🚀 **Risk reduction**
Identification of risks in the code before quality problems occur, reducing the personal liability in the event of damage
- 🚀 **Quality improvement**
Consistency and readability of the code across over people or team bounds, better code quality means fewer mistakes and better maintainability, determining important changes by trend analysis
- 🚀 **Process**
Incorporation of good programmers' experience into the development process, accomplishment of compliance and safety life cycle requirements

Services

- 🚀 Initial analysis for identifying your software code quality
- 🚀 Set-up and implementation of a static code analysis and metric system
- 🚀 Definition and institutionalisation of coding guidelines
- 🚀 Trainings for developers (code reviews, unit testing, TDD, BDD, usability, architecture, etc.)
- 🚀 Operative coaching for developers and regular impulse workshops
- 🚀 Definition and institutionalisation of coding guidelines and suitable tools for static analysis and metrics
- 🚀 Implementation of source code improvement processes (i.e. refactoring, patterns)
- 🚀 Code reviews by experts for a regular verification of the code quality
- 🚀 Structuring and modernising the coding process and establishing developer tests (i.e. TDD, unit tests)