

# ArLeCo

Automated gathering of software-architecture from legacy code

## Background

Due to the long-time experience of software development the source code is „historically grown“. The consequences are structural weaknesses and the missing documentation of architecture and design. This type of code is called Legacy Code.

The migration of new technology (e.g. AUTOSAR) or requirements of standardization (like ISO 26262) direct to the necessity of architecture documentation of that Legacy Code.

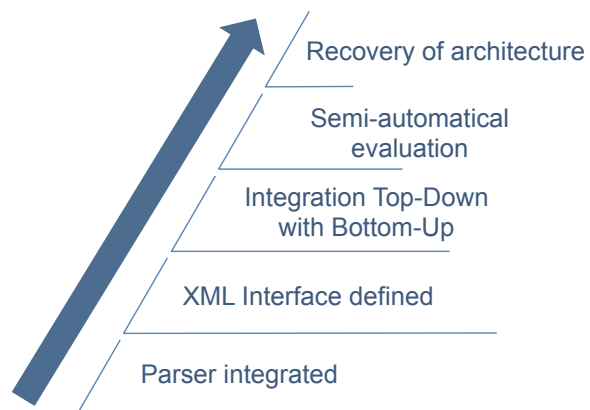
The CoE Software Engineering recognized this need and developed a method to derive the „Architecture from Legacy Code“ (ArLeCo).

## Our Offer

INVENSITY can support you with the creation of the software architecture from legacy code. Our experts can analyze the code with the help of the semi-automatical tool ArLeCo an their knowledge working together with your team. In this way they are able to reconstruct the software architecture.

The approach is following a certain structure:

- Analysis of the existing documentation
- Automated analysis of given code (legacy code) with the Tool ArLeCo (analysis of directory structure, functional connection, cohesion, data link)
- Tool supported interviews with stakeholders
- Presentation and discussion of the derived information
- Creation of a documentation of the software architecture



*Innovation made by talents*

### Contact

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