

FEV Signature Solutions

Effective and efficient Mobility Software Testing Strategy

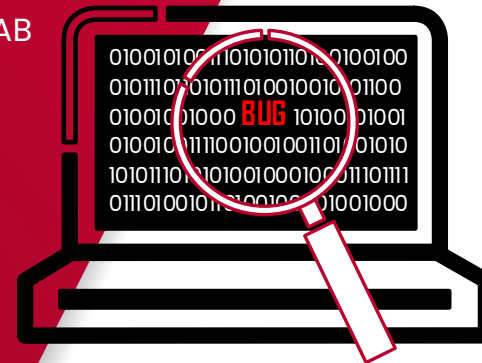
Our solution improves software quality while minimizing costs and effort

FEV offers

- ▶ An effective and efficient testing strategy tailored to your software and testing objectives generated with our unique tool
 - Risk-based approach with objective evaluation criteria for failure impact and probability
 - Independent of specific application programs, ensuring broad usability and easy integration into your existing workflows
 - Can be used for testing embedded software (e.g., MATLAB Simulink) as well as software code
- ▶ Test managers to handle your test programs
- ▶ Experienced and ISTQB certified software test engineers
- ▶ Testing competencies enhancement for your software development team

Why FEV

- ▶ Over 20 years of software testing experience
- ▶ Our extensive experience from a wide range of client and internal projects continuously enhances our algorithms
- ▶ Experienced with numerous tools in different projects
- ▶ Experienced in providing robust cost and resource planning estimates




Reference Projects

MOBILITY SOFTWARE TESTING


- Battery electric vehicle application
- Hybrid electric vehicle application
- IC engine vehicle application




**6DCT Trs. SW
(TCU)**
(Concept Phase)




**5AMT Trs. SW
(TCU)**
(Series Development)




**5DCT Trs. SW
(HCU + TCU)
Mini-Van**
(Concept Phase)




**7DCT Trs. SW
(TCU)**
(Series Development)



**2DCT EDU SW
passenger car**
(Concept phase)



**7DCT Trs. SW
(TCU)**
(Series Development)




**7DCT Trs. SW
(TCU)**
(Series Development)




**18AT Trs. (TCU)
SW for Constr.
Machinery**
(Series Development)



**4 gear EDU SW
heavy duty**
(Series Development)



**E-Bike drive
and shifting SW**
(Concept Phase)

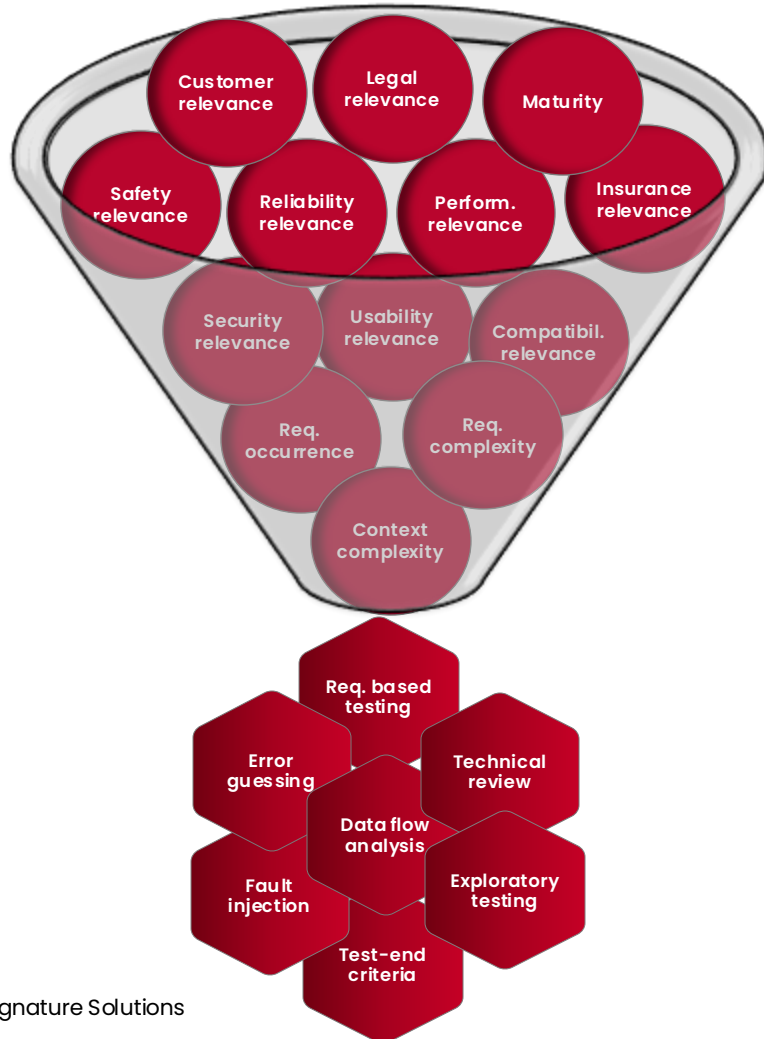


**3AMT Trs. SW
(TCU)
Heavy-Duty**
(Concept Phase)



**Pred. shift
strategy
Heavy-Duty**
(Series Development)

Objective criteria will drive software testing to concrete test methods to reduce efforts and costs



Objective criteria



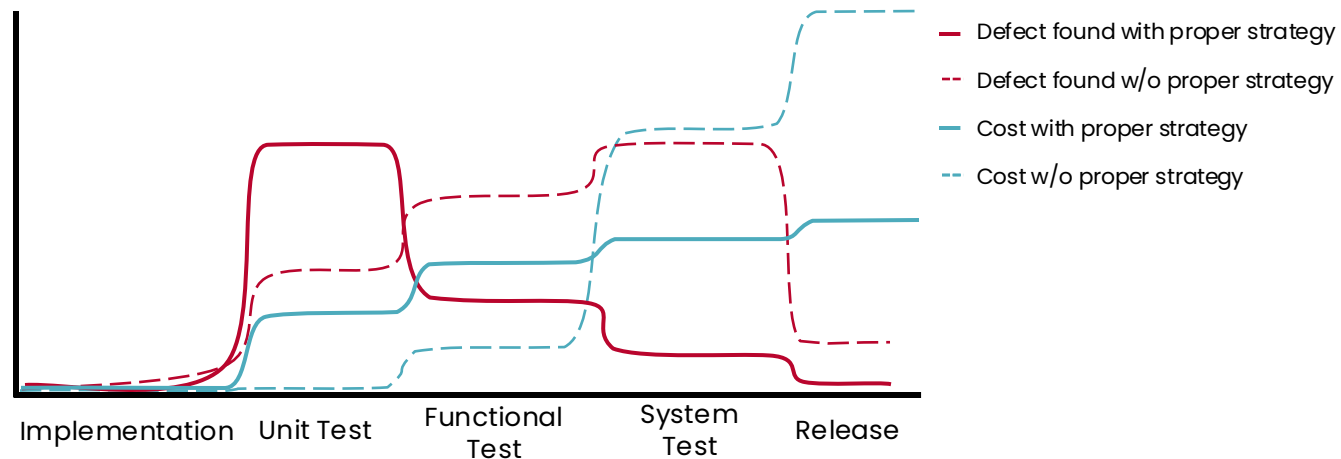
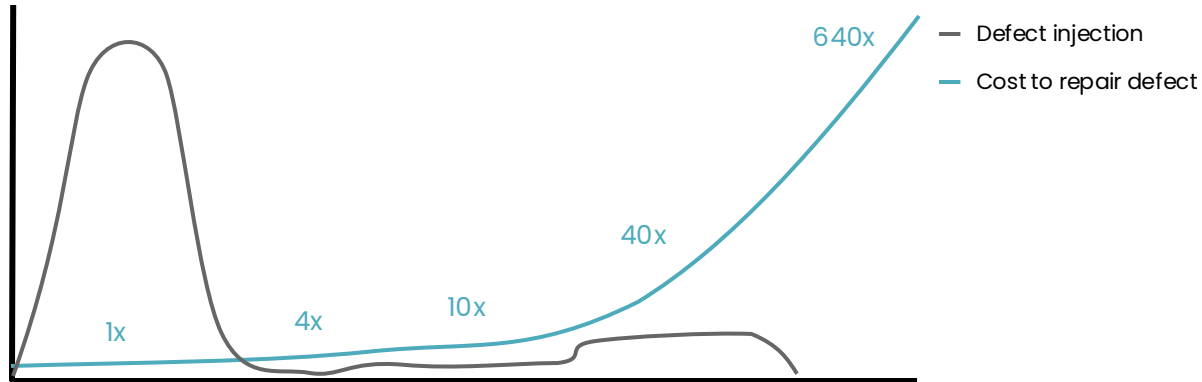
FEV effective test strategy selection



Test strategy

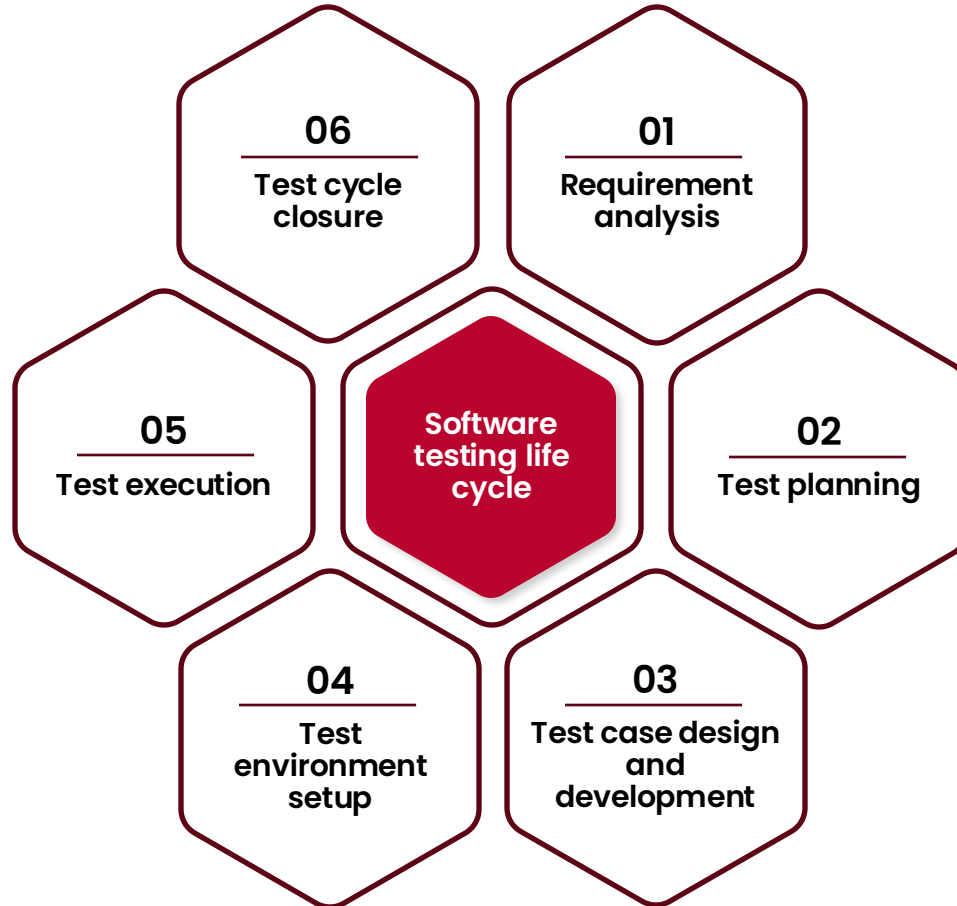
- Product or feature criteria evaluation to obtain the failure risk-class
- Test strategy is independent of specific application programs
- Testing exhaustiveness can be tailored by the customer based on target application and market deployment

Why is it so important to find the right test strategy?



- Choosing the appropriate testing methods and criteria for concluding tests will lead to the earlier detection of a greater number of defects
- Lowering cumulated testing efforts and costs
- Increase software quality and reduce the number of unsolved defects at release

FEV is experienced in handling and supporting all phases of the software testing life cycle



- ▶ FEV can take responsibility for single phases as well as for the complete cycle
- ▶ We have experience working within customer development environments
- ▶ We are experienced in all state-of-the-art development and application programs
- ▶ Experienced and ISTQB certified testers available

Get in touch with us for further information



[www.fev.com/en/
signature-solutions](http://www.fev.com/en/signature-solutions)