MATURITY
ROADMAP TEST

More than ever before, we are living in a 24/7 society that expects constant availability in all areas. Large numbers of end users are irritated whenever they are confronted with the fallibility of their favorite applications. Efficient and effective testing of your software offers the assurance that you are putting quality end products on the market. By incorporating testing at an early stage, your team has a better chance of creating a valuable solution for your customers and/or end users. Together with all stakeholders, we determine how we can increase that test maturity, fully in line with your needs.

CHALLENGE

Bugs are often found in unexpected places and therefore invisible at first instance. They can originate in all kinds of areas including, for example, miscommunication between various team members, architectural limits, design flaws or faulty implementation. In the current market, we observe a trend where testing is no longer just a phase in the project but more of an ongoing verification process of business needs versus product features over the entire life cycle of the application. Now more than ever, a short time-to-market for quality software is something that your customers/end users are demanding and you as a company must take into account. Rapid, high quality software delivery is crucial. Incorporating testing to a high level of maturity from an early stage ensures stability, reliability and trust. Testing allows you to really get to know an application in a practical sense and add an immediate assessment of the quality.

> "Perfect testing is the infinite process of comparing the invisible to the ambiguous so as to avoid the unthinkable happening to the anonymous." – Cem Kaner, BBST

OUR APPROACH

Within our Software Delivery Enablement Services (SDES), we offer many solutions that can stand alone or be integrated into a larger whole – entirely in accordance with your wishes and budget. Realdolmen has specialists who know the whole story and the correlations between solutions. They know how various processes interact throughout the life cycle of an application which greatly facilitates the integration of tests.

By identifying the right context for the project and adapting our approach to that context, our testing is much more efficient than if we adhered to one predefined approach, supposedly valid for all projects. Your context is like a vase, with our testing method the water that follows the shape. We will also further optimize our test activities by combining exploratory testing techniques with automated testing (where most effective and viable).
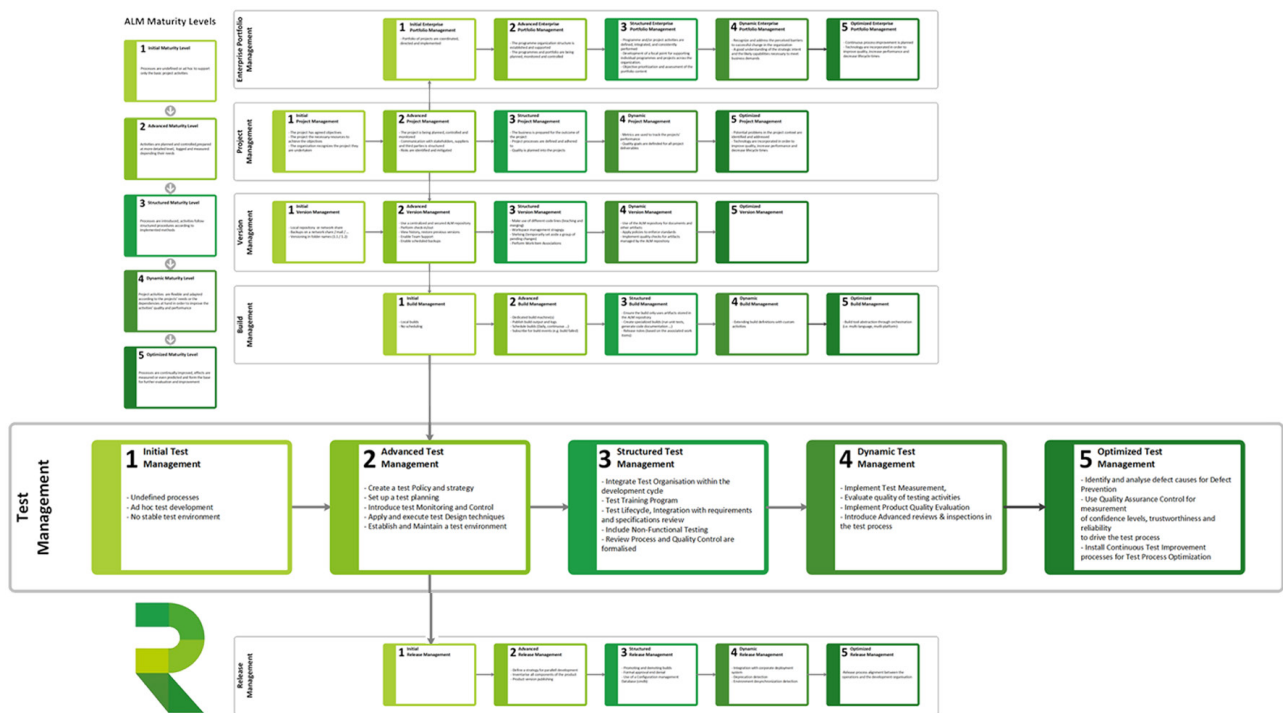

The context driven school has put forward seven basic principles:

1. The value of any practice depends on its context.
2. There are good practices in context, but there are no best practices.
3. People, working together, are the most important part of any project's context.
4. Projects unfold over time in ways that are often not predictable.
5. The product is a solution. If the problem is not solved, the product does not work.
6. Good software testing is a challenging intellectual process.
7. Only through judgment and skill, exercised cooperatively throughout the entire project, are we able to do the right things at the right times to effectively test our products.

WHAT DOES REALDOLMEN OFFER?

Would you like to raise your test activities to a higher maturity level?

Realdolmen helps you reach that level as quickly as possible with an emphasis on quality. For this, we have developed our Test Maturity Roadmap as an instrument. This enables us to draw up tests within the broader context of Application Life Cycle Management. This way, we can identify clear dependencies and help you as a customer to determine your maturity for various disciplines. The goal is to determine concrete, pragmatic actions for you to undertake, with or without Realdolmen, in order to increase your maturity in testing.

Test Management

1 Initial Test Management
- Undefined processes
- Ad hoc test development
- No stable test environment

2 Advanced Test Management
- Create a test Policy and strategy
- Set up a test planning
- Introduce test Monitoring and Control
- Apply and execute test Design techniques
- Establish and Maintain a test environment

3 Structured Test Management
- Integrate Test Organisation within the development cycle
- Test Training Program
- Test Lifecycle, Integration with requirements and specifications review
- Include Non-Functional Testing
- Review Process and Quality Control are formalised

4 Dynamic Test Management
- Implement Test Measurement,
- Evaluate quality of testing activities
- Implement Product Quality Evaluation
- Introduce Advanced reviews & inspections in the test process

5 Optimized Test Management
- Identify and analyse defect causes for Defect Prevention
- Use Quality Assurance Control for measurement of confidence levels, trustworthiness and reliability to drive the test process
- Install Continuous Test Improvement processes for Test Process Optimization

THE RIGHT STEP IN THE RIGHT DIRECTION

Designing a Test Maturity Roadmap is possible starting from 5 days: This Roadmap consists of the following steps/activities:

KICK-OFF MEETING
A kick-off meeting where we explain our Roadmap, the actions that need to be taken and the deliverables we are aiming for.

INTERVIEWS
We hold interviews with the right involved parties to provide us with an active knowledge of your context. By taking all stakeholders into account, their needs and wishes become apparent. This helps us identify the situation As-Is.

ANALYSE
We select the right test objectives, techniques and deliverables for the particulars of your situation. We list possible actions which can quickly contribute to raising test maturity, further optimization and/or delivery of higher quality. We do this at the level of your processes, products and organization. We outline the desired situation To-Be.

NEXT STEPS
We take a pragmatic approach, working with you step-by-step to find out how your team(s) can gain efficiency and effectiveness. You can carry out these steps independently or in collaboration with Realdolmen.

Maturity Roadmap Test

For more information, send an e-mail to
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We will put you in touch with our Test
Advisors.

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