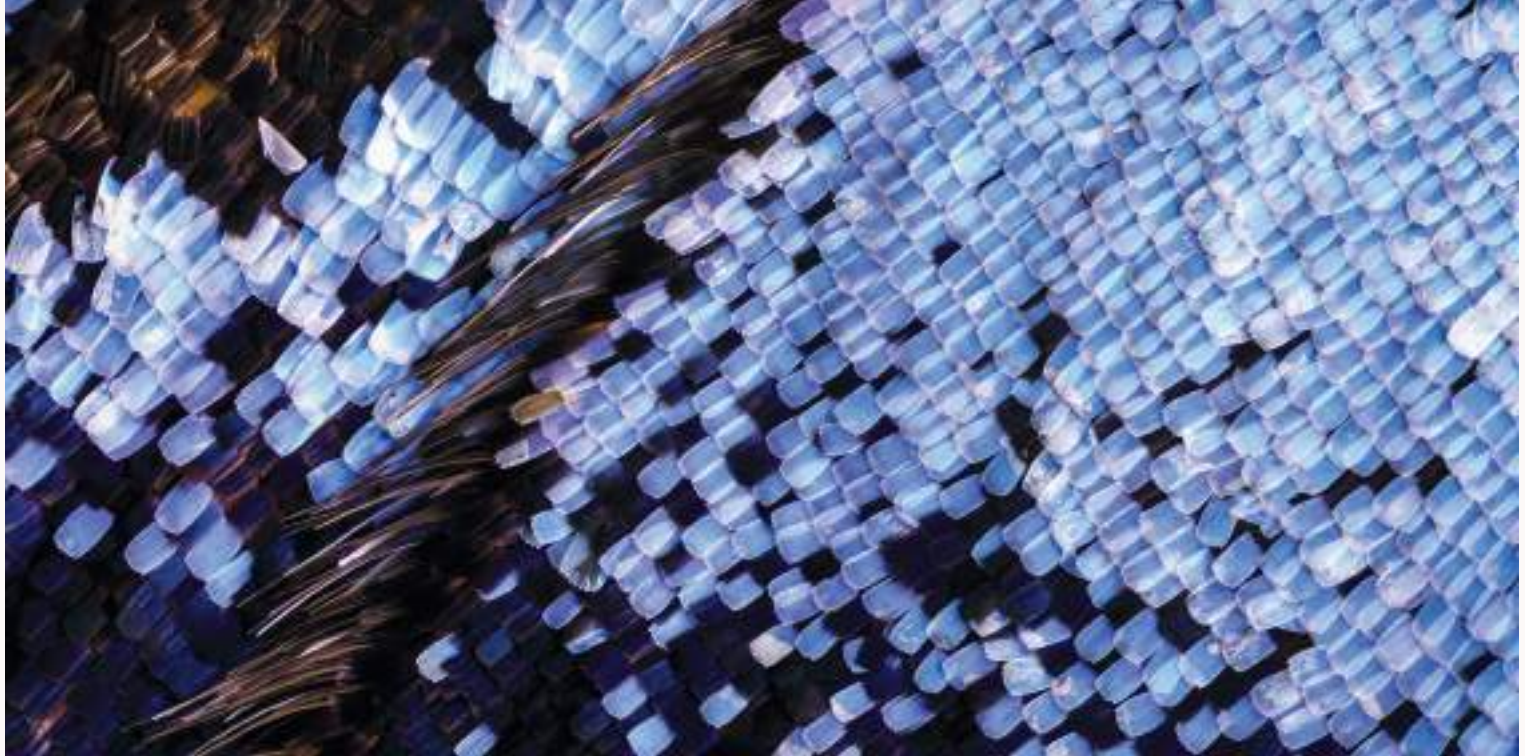


SDS TESTING SERVICES

TESTING.sds.at



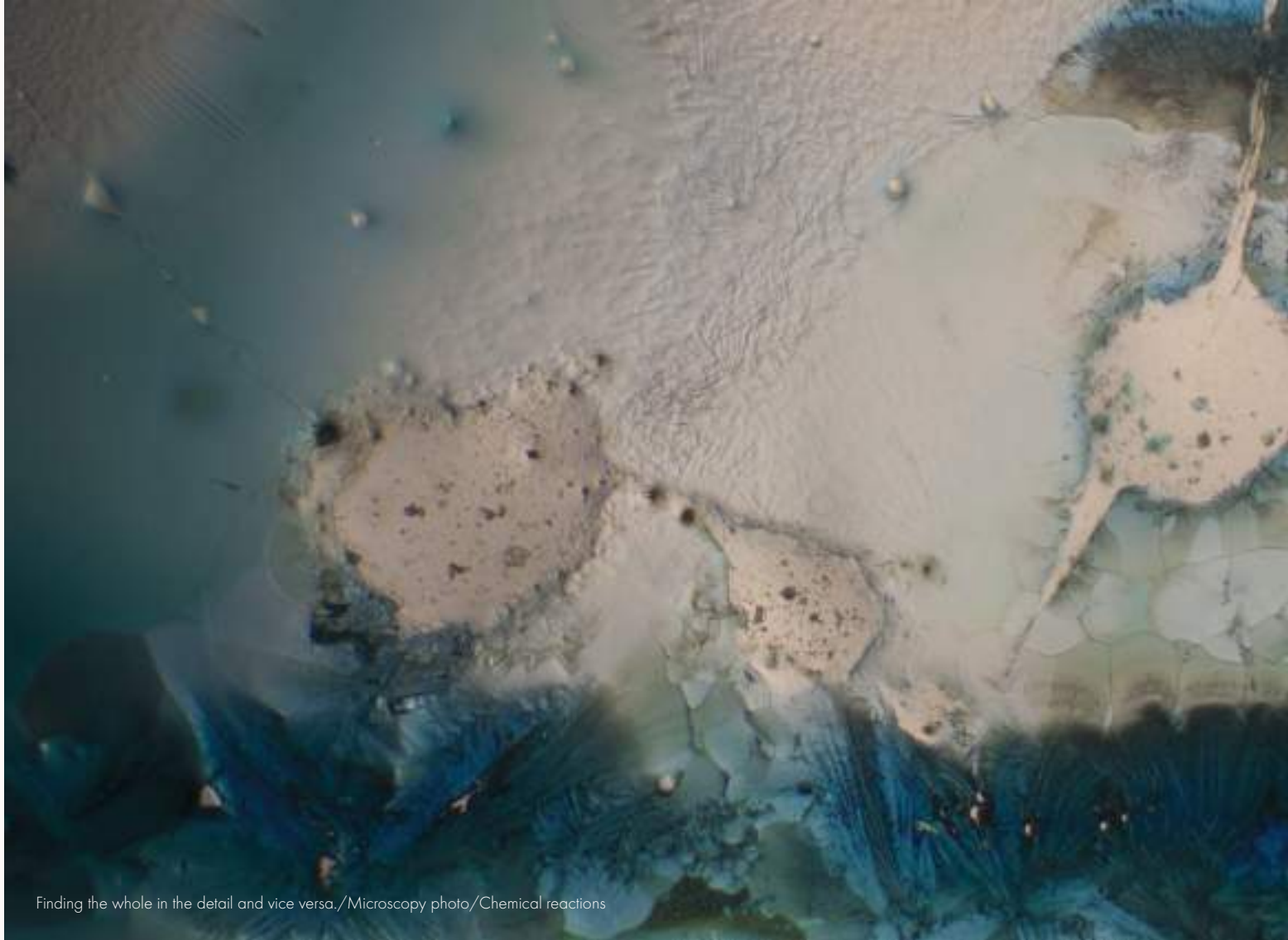
SDS TESTING SERVICES

Better projects through better testing.

SDS TESTING SERVICES get you safely to market faster, reducing costs and guaranteeing reliability through expertise and experience.

SDS TESTING SERVICES

professionally reflects the testing trends
in the global financial and telecommunications
industry.





THE GLOBAL TESTING SERVICE ENVIRONMENT

The increasing automation of business processes with growing complexity in multiple system environments interlinked on a global level calls for new approaches and methods.

TEST AUTOMATION & ARTIFICIAL INTELLIGENCE

Software testing determines the quality of the software, but completely manual testing causes costs and takes time. In the future, mechanisms will be used to recommend which areas should be tested and to recognise recurring tasks in order to automate them. The combination of „Machine Learning“ and „Analytics“ increases automation potentials and sustainably boosts efficiency.

AGILE & DEVOPS

Agile sprint teams are increasingly being used instead of fixed test centres. In general, agile action poses fewer challenges in the financial and telecommunications sector than in other sectors. One of the reasons for this is the experts' professional competence in reusing and repeating the tests in the planned sprint.

INNOVATIVE TEST ENVIRONMENT & BIG DATA

In the financial industry, dealing with trends such as the use of virtual test environments or agile IT processes is required and becomes more and more state of the art. Test teams have adapted their working methods to modern conditions. The professional handling of Big Data also plays an increasingly important role.

KEY COST DRIVERS IN SOFTWARE DEVELOPMENT

The costs for professional software development are influenced by planning, development and operational factors.

40% DUE TO VOLATILITY OF REQUIREMENTS

Deviations of the technical implementation from the technical requirements: The more complex the required functionality, the more deviations occur in the long chain of software development.

23% DUE TO PROCESS DEFECTS

The integration of testing services into the early stage of the project is the key to cost reduction, as it minimises the risk of deviations right from the start, especially through:

Introduction of integrated processes

Support from experts with specialist technical knowledge at the start of the project

Implementation according to methods and standards

EFFORT IN THE POST-LAUNCH PHASE

After the productive start, there is always a need for rectification work. Some time-consuming workarounds still affect the business even after the system is up and running and tie up valuable resources.

ESSENTIAL DRIVER FOR SUSTAINABLE BUSINESS VALUES.

Professional software testing has a decisive influence on the environments which contribute to the success of companies.

TIME-TO-MARKET

Short time-to-market through timely projects leads to competitive advantages, offers higher profitability, maximises the number of sales and increases customer satisfaction.

COLLABORATION QUALITY

Timely cooperation with the department experts significantly reduces deviations between requirements and results, promotes intensive knowledge acquisition and transfer and sustainably increases user satisfaction.

HIGH-QUALITY SOFTWARE

High-quality software reduces training efforts and workarounds, lowers error rates, increases user satisfaction and ensures a timely completion of the testing phase.

EFFICIENT PROCESSES

Efficient processes by applying the SDS „shift left-strategy“ lead to a reduction of costs and error rates, enable the optimum use of resources and are the foundation for efficient operations and effective corporate management.

SDS TESTING SERVICES: Outperforming quality standards.

SDS TESTING SERVICES continuously reflect the key market needs and business drivers with measurably high quality standards throughout the entire SDS Testing Service portfolio.

SDS TESTING SERVICES customers profit from:

DOUBLE TEST PERFORMANCE

UP TO 50% FEWER PRODUCTION ERRORS

UP TO 30% LOWER TESTING COSTS

TEST MANAGEMENT, CONSULTING AND ENGINEERING

Our team of certified test analysts and testing engineers provides professional end-to-end support for your projects: From requirement analyses to user acceptance tests, our experts carry out all the necessary tasks within the framework of the entire application life cycle.

QUALITY ASSESSMENTS

STANDARDISED assessments of test processes (e.g. based on TPI® Next)

STANDARDISED assessments of requirement processes (based on IREB®)

TEST CONSULTING

DEVELOPMENT and optimisation of test processes according to the ISTQB® standards

METHODOLOGICAL test design and systematic testing

DEVELOPMENT of metrics for significant reporting

REQUIREMENTS engineering according to IREB®

INTEGRATION of test processes into existing process environments

CONSULTING regarding the design of contracts with software vendors

CONSULTING regarding the implementation of successful test automation

TEST MANAGEMENT

DEVELOPMENT and implementation of test concepts and strategies

TEST environment and test data management

ESTABLISHMENT of test teams

USE of agile methods such as Scrum

TEST ENGINEERING

METHODOLOGICAL test design, test execution and evaluation

SUPPORT of development testing

AGILE testing e.g. Scrum

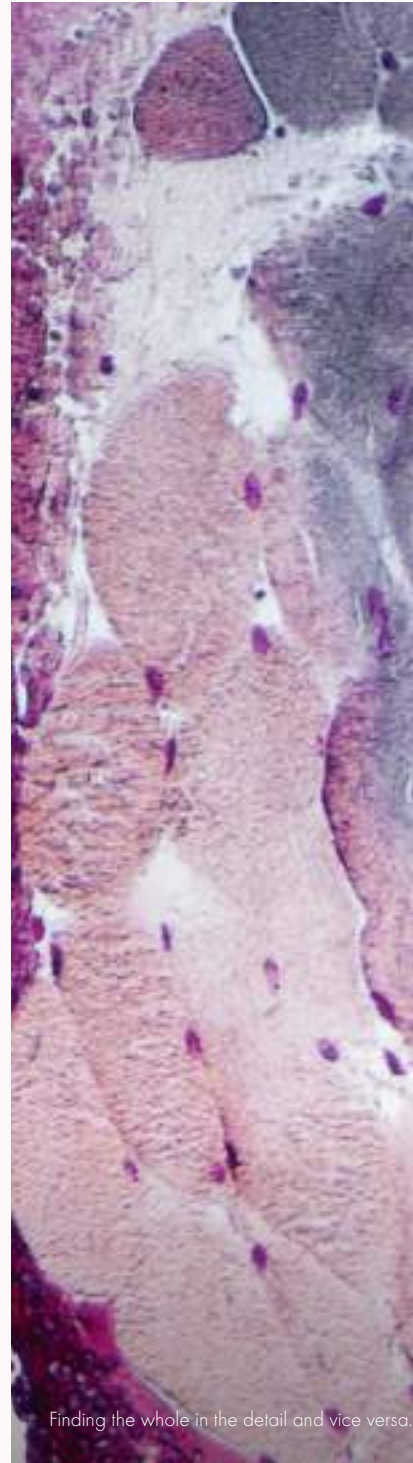
LOAD and performance testing

MOBILE testing

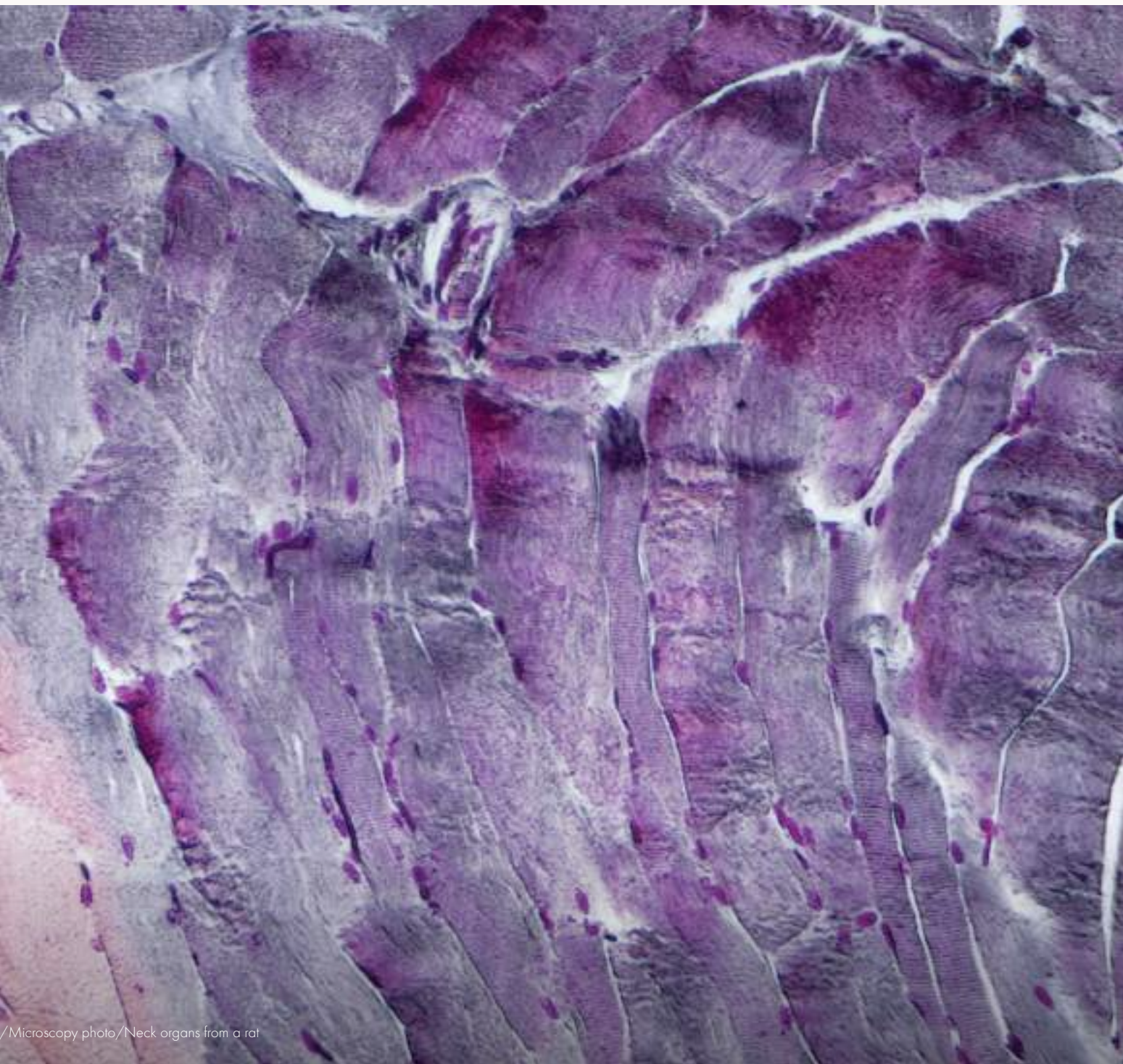
TEST AUTOMATION

DESIGN and implementation of automated test cases

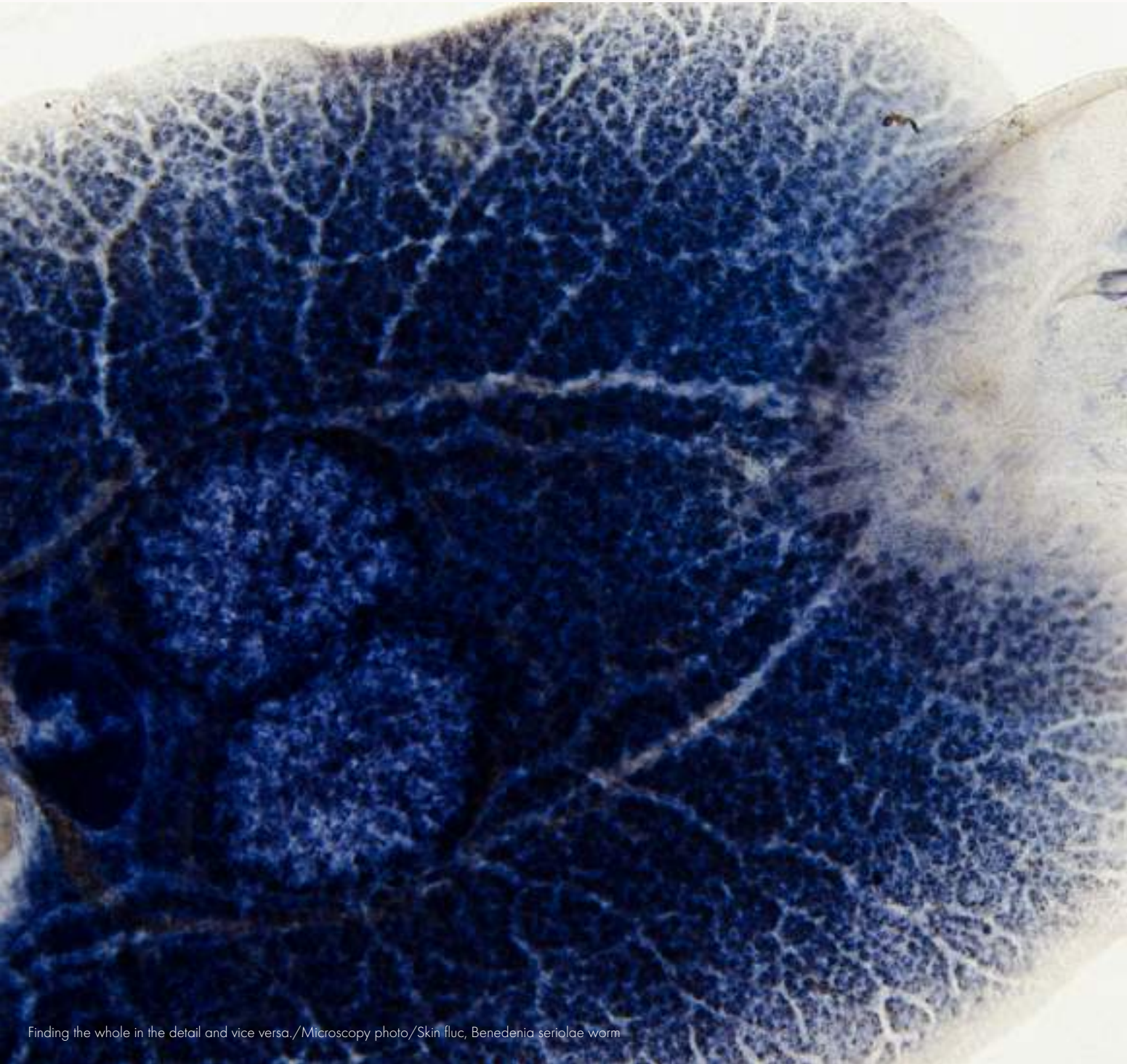
FULLY automated test execution and evaluation



Finding the whole in the detail and vice versa.



/Microscopy photo/Neck organs from a rat



Finding the whole in the detail and vice versa./Microscopy photo/Skin fluc, *Benedenia seriolae* worm

SDS TESTAHEAD

SDS TESTAHEAD offers a decisive advantage in the integration of our software products into the system environment of our customers. This ensures the business head start, early detections of potential issues, an increase in quality and a reduction of time and effort.

SCOPE OF SERVICES

Test-specification and -automation of individual business scenarios.

Customer-specific system configuration and testing data.

Consideration of specific system interfaces and partner systems.

Analysis of test results and defect management

Availability of testing results via software delivery.

Testing of cross-system business processes.

Application of efficient and innovative "shift left" principle.

BUSINESS VALUES

Availability as add-on service exclusively for SDS customers.

Decisive advantages in the integration of SDS products into your system landscape:

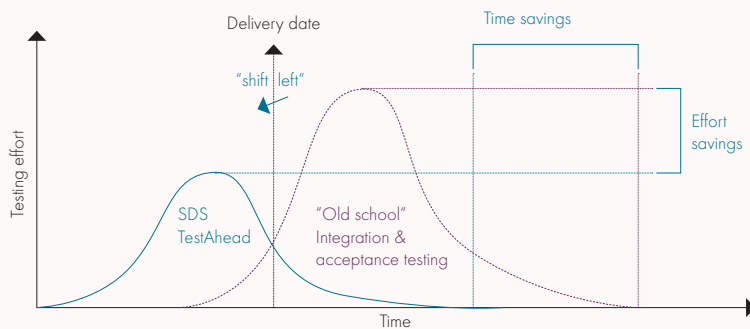
25%-40% reduction of throughput time during integration and acceptance.

25%-40% savings in testing efforts.

25%-40% reduction of the number of productive incidents.

ADVANTAGE THROUGH „SHIFT LEFT” STRATEGY

Figure: Increase efficiency by ensuring the integrated system quality through „shift left“-strategy.





Finding the whole in the detail and vice versa./Microscopy photo/Plant

SDS PROFESSIONAL TESTING

With distinctive expertise and decades of industry experience in complex system landscapes and in projects of all sizes in the banking and telecommunications sectors, SDS PROFESSIONAL TESTING offers a profound and constantly growing know-how that enables customers to reduce costs, time-to-market and error rates.

SCOPE OF SERVICES

Professional testing, tailor-made for business requirements.

Certified teams systematically test business scenarios.

Clearly defined, standardised collaboration and process models regulate the integration into your process landscape.

Efficient test automation for existing standard business processes (regression tests).

Meaningful test and error reports.

Standard modules and optional modules for individual needs.

BUSINESS VALUES

Short time-to-market through timely project management.

Intensive and timely cooperation with certified experts.

Reduction of deviations between requirements and results.

Functional and operational quality in production and operations.

Establishment of efficient process flows with optimised resource expenditure.

Highly efficient test automation.

100% transparency and traceability of the tests.

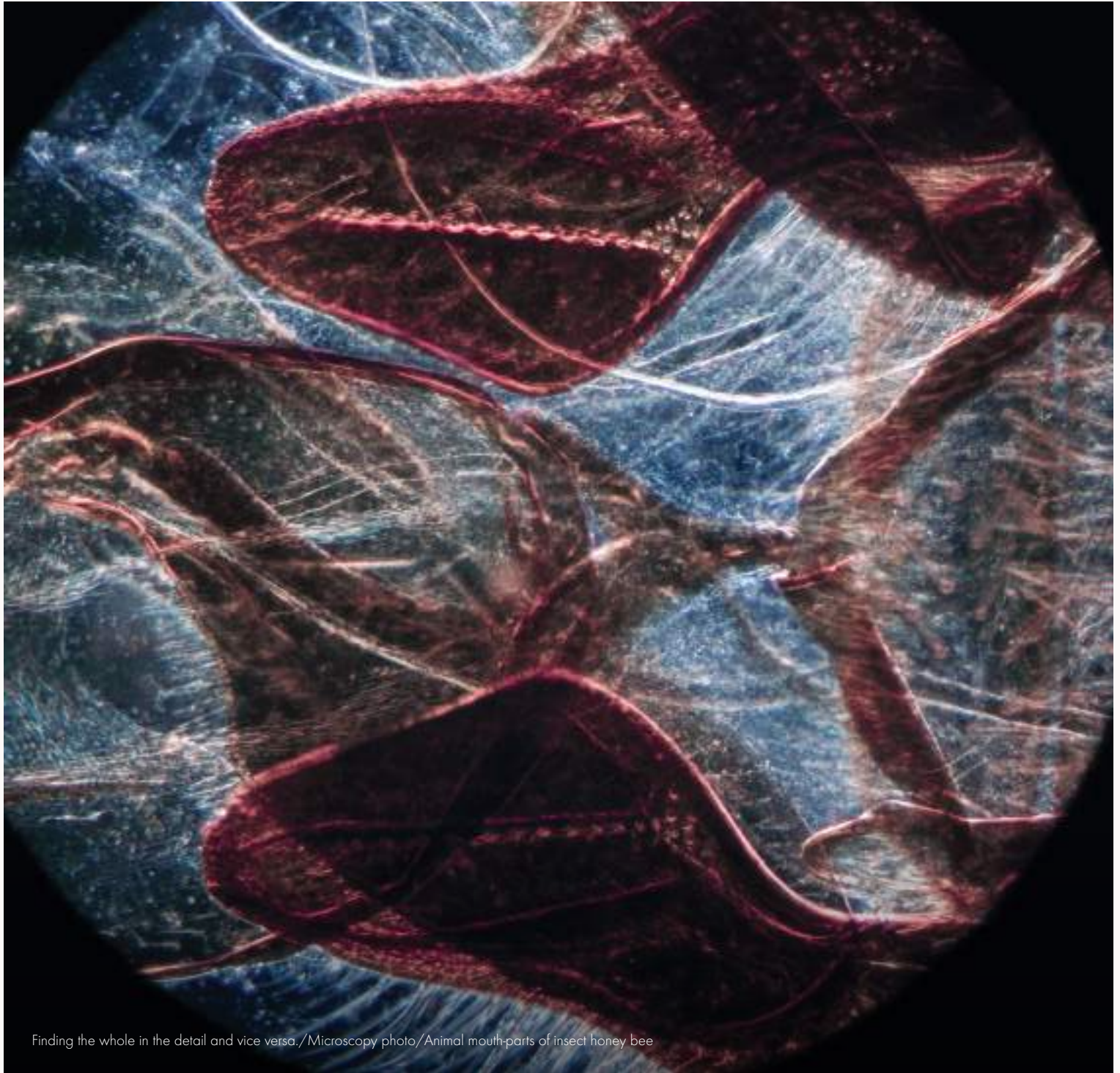
Clearly defined Service Level Agreements.

Continuous Improvement Process (CIP).

Increased profitability, market share and customer satisfaction.

Reduction of production errors by up to 50% with simultaneous cost savings of up to 30%.





Finding the whole in the detail and vice versa./Microscopy photo/Animal mouth-parts of insect honey bee

TAILOR-MADE SERVICE PACKAGES

Reduce testing effort and lead times while improving the process quality. The best choice for short- and medium-term projects.

ENABLE	ACCOMPANY	ASSIST
Lay the foundation for the optimum course of the entire testing phase. This package provides you with the basic equipment for enabling your employees to carry out a complete test sequence.	In addition to providing you with the basic equipment, we support your department experts even in the early test phase, using professional methods and tools and we guarantee the highest test transparency.	Our experts take over the entire test handling, report all defects in accordance with the process and report regularly on the testing status. You receive reports on the completeness and correctness of all test cases.
DEPLOYMENT SCENARIOS:	DEPLOYMENT SCENARIOS:	DEPLOYMENT SCENARIOS:
Requirements phase, implementation phase, test phase.	Implementation phase, test phase, acceptance, pilot phase.	Test phase, acceptance, pilot phase.
SCOPE OF SERVICES:	SCOPE OF SERVICES:	SCOPE OF SERVICES:
DEVELOPMENT and optimisation of test processes according to ISTQB® standards. METHODICAL test design and systematic test procedure. REQUIREMENTS analysis according to IREB®. ESTABLISHMENT of project test teams or virtual teams from several areas or companies. DEVELOPMENT of clear acceptance criteria. CONTENT support for the preparation of contract and tender documents with vendors. SETUP of reports.	CREATION of test cases in collaboration with the department experts. STRUCTURING and elaboration of test cases. SUPPORT for the correct use of test management tools. TEST execution in cooperation with the department teams. BRINGING in detailed know-how on technical aspects of IT processes, applications and product configurations. REUSE of automated core business processes with minimal customisation. CONSIDERATION of acceptance criteria in early phases already.	TEST case creation on the basis of the department requirements. TEST execution and result preparation of the technical tests. CORRECT, process-compliant registration of defects including assignment to the correct location. REGULAR reports. CONFIRMATION of all test cases to ensure completeness and correctness.

MANAGED TESTING SERVICES

High quality coverage of the testing value chain from analysis, design and implementation to support. Ideal for long-term cooperations.

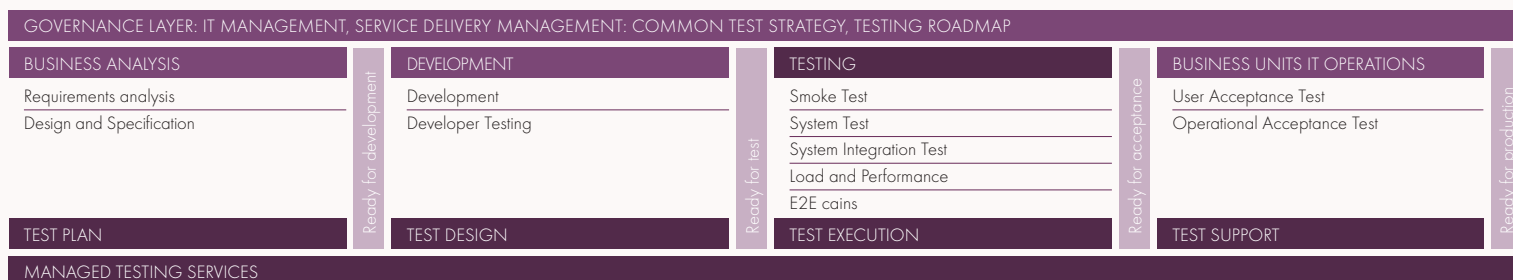
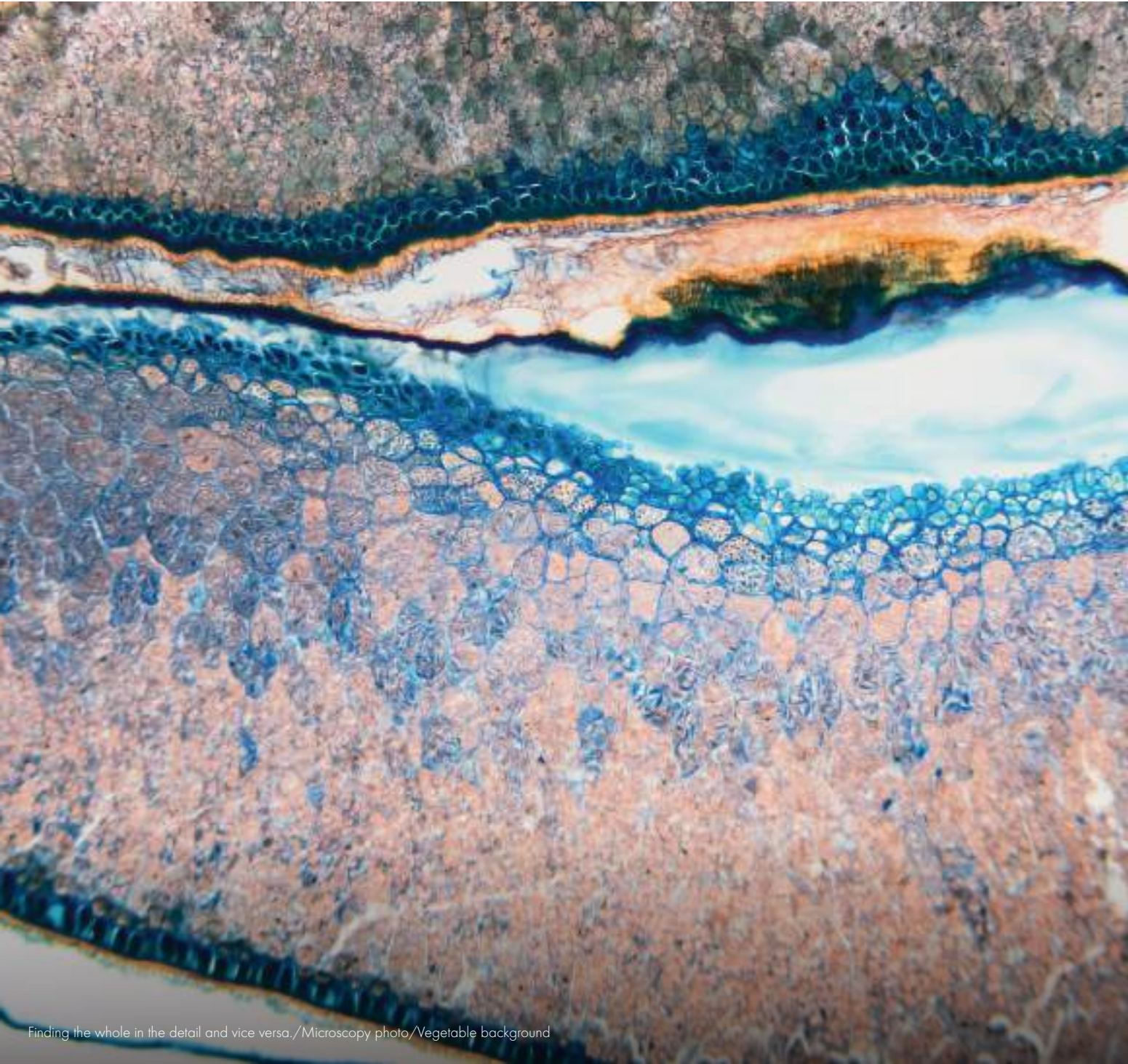
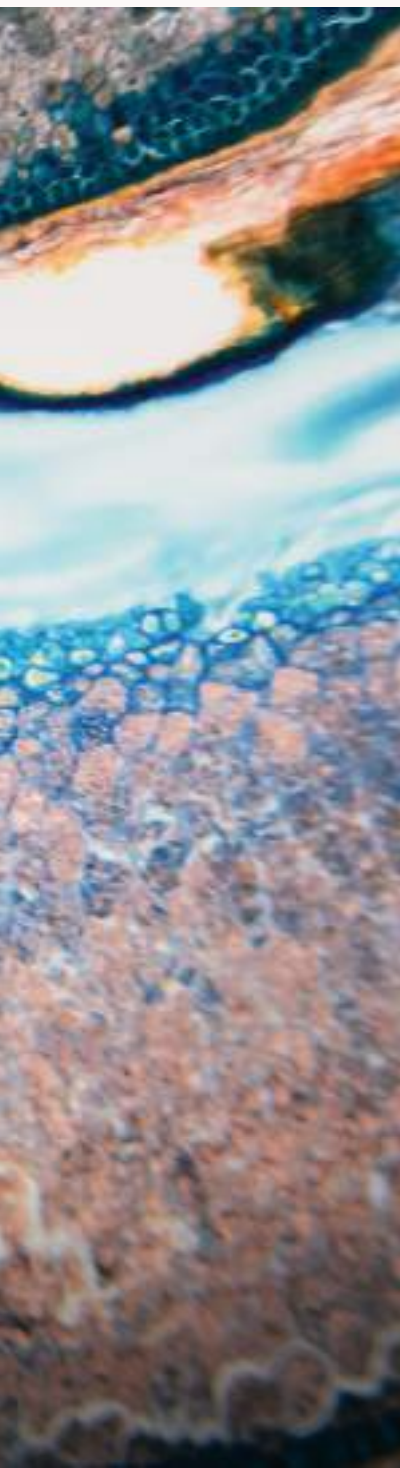


Figure: Model for Managed Testing Services in the application life cycle.

Covered by customer
 Covered by Managed Testing Services
 Quality gate / milestone



Finding the whole in the detail and vice versa./Microscopy photo/Vegetable background



Working with SDS

SDS is continuously setting digital standards in financial market operations, regulations and compliance solutions for the international financial industry. The comprehensive SDS portfolio covers state of the future products and services for all customer and market-related processes, ranging from global securities and derivate processing, regulatory, tax and compliance automation, solution-based consulting and professional testing services to managed services.

More than 3,000 financial institutions worldwide with over 10,000 users in about 80+ countries trust in SDS and its sustainable business values. With our proven industry experience of over 4 decades, we have become a highly trusted and equally reliable partner of renowned financial institutions all over the world. SDS is Member of Deutsche Telekom, one of the world's leading providers of information and communications technology. www.sds.at

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