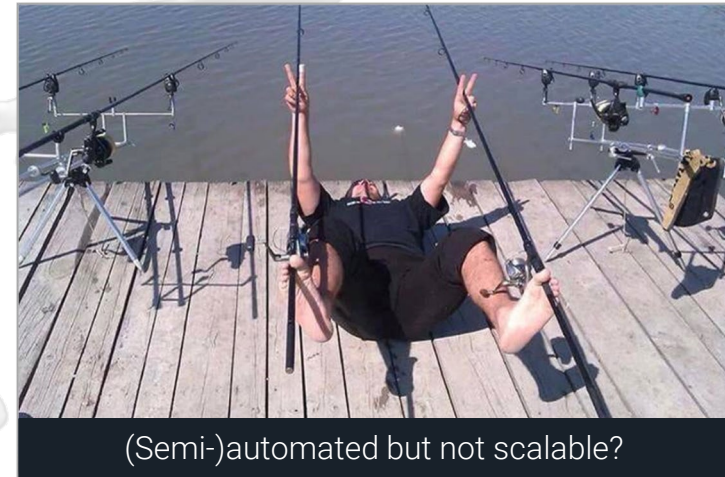
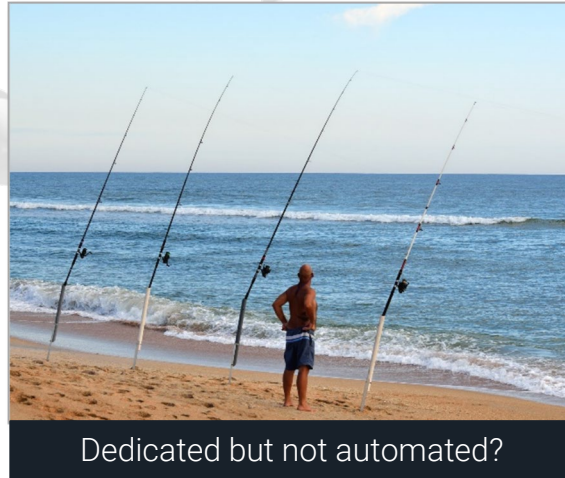
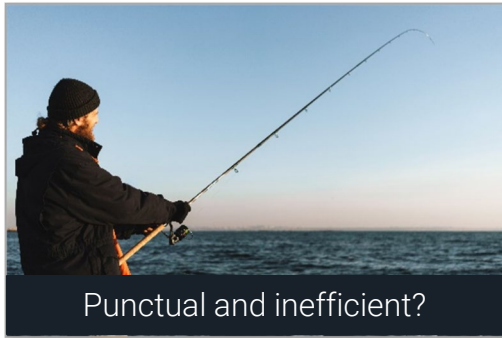


UNLOCKING BUSINESS POTENTIAL THROUGH **RELIABLE DATA!**

BiG EVAL Data Reliability Automation



How do you «fish» for data quality issues today?



Transform your Data Quality Management with BiG EVAL!

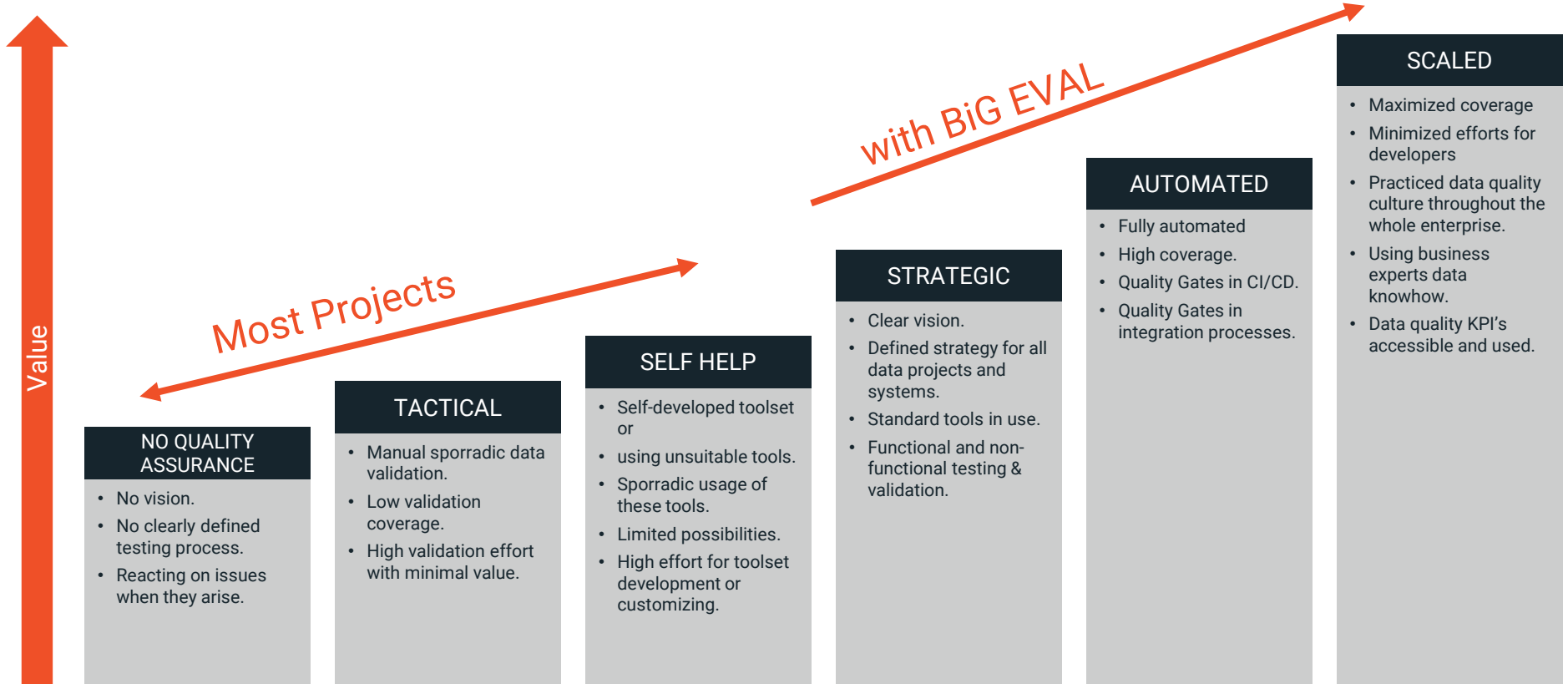
Our Solution:

«THE TESTING NET»

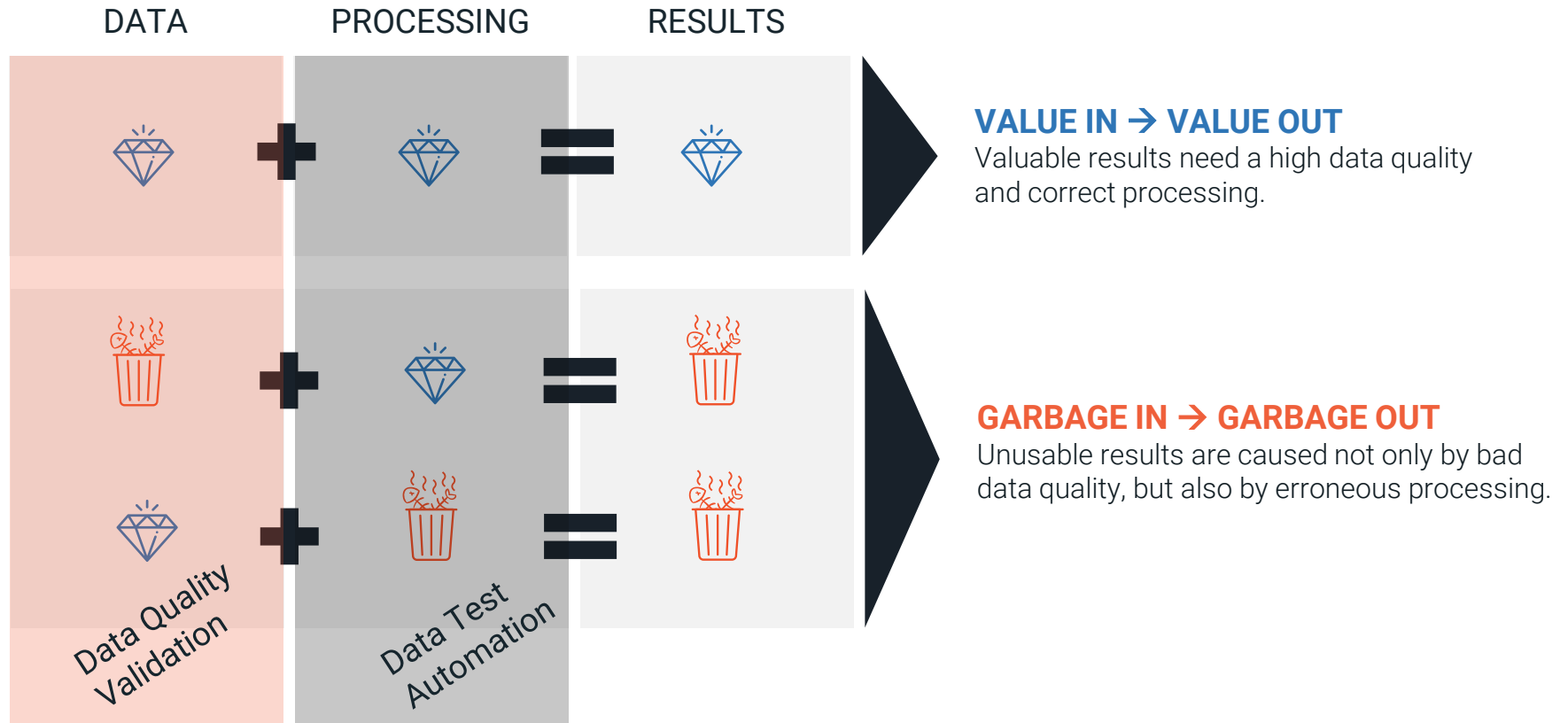
A professional and systematic tool enables efficiently detecting quality issues within enterprise data.



Data Reliability Assurance Maturity



Our goal: Value in → Value out



Data Reliability not only for Devs and Ops but also for Biz

Data Product Test Automation for Development Teams

- **Continuous & Repeated Testing** during the development cycle of data products.
- **Massively Scaled Test Coverage** to ensure everything is tested with minimal effort.
- **Hundreds of Best Practices Templates** to start quickly and profit from other projects success.

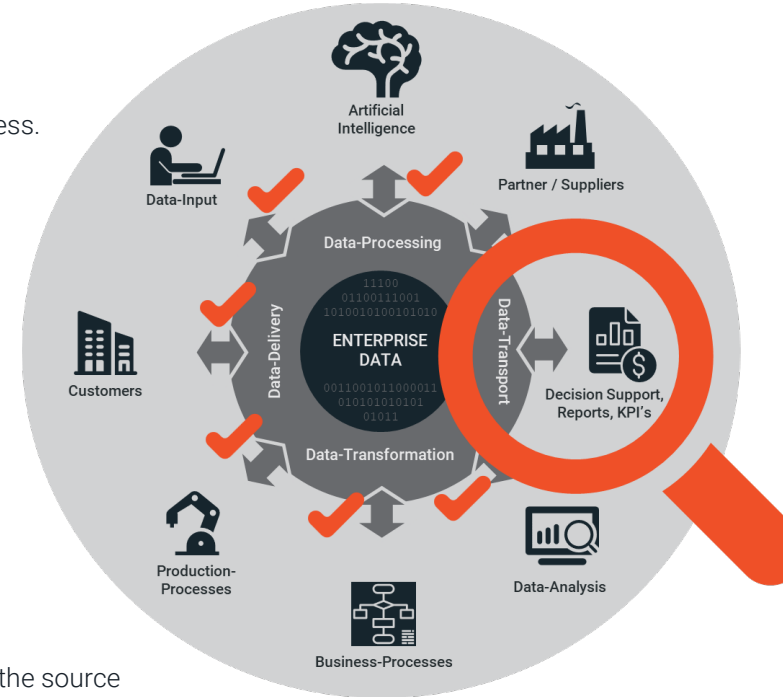
Continuous Data Validation for Data Operations

- **Automated data validation** during the whole information lifecycle to uncover data issues.
- **Scalability and Flexibility** to validate high data volumes of every structure and technology.
- **3rd Party App Integration** submits help desk tickets and triggers subsequent applications with detailed issue information.

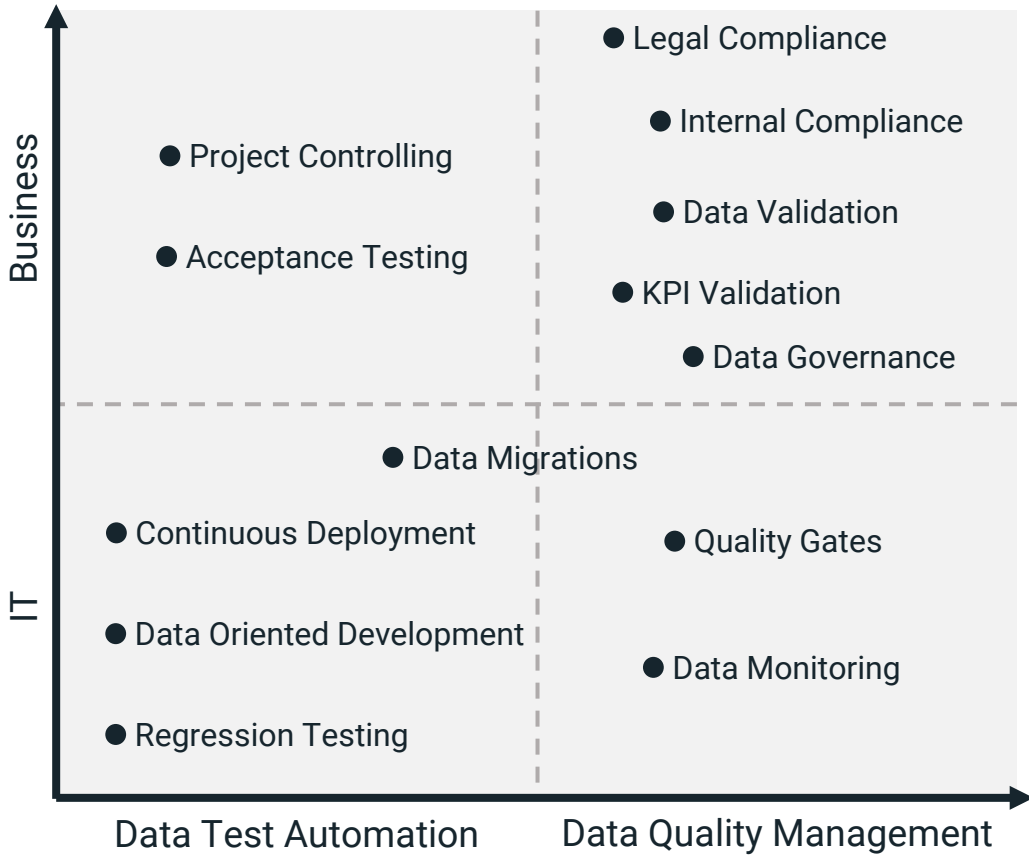


Business Process Data Quality Assurance for Business Departments

- **Quality Gating** to detect erroneous data before it harms business process efficiency.
- **Data Monitoring** to immediately alert the right people about data issues.
- **Process Integration** to trigger technical and business processes to fix data issues asap. at the source

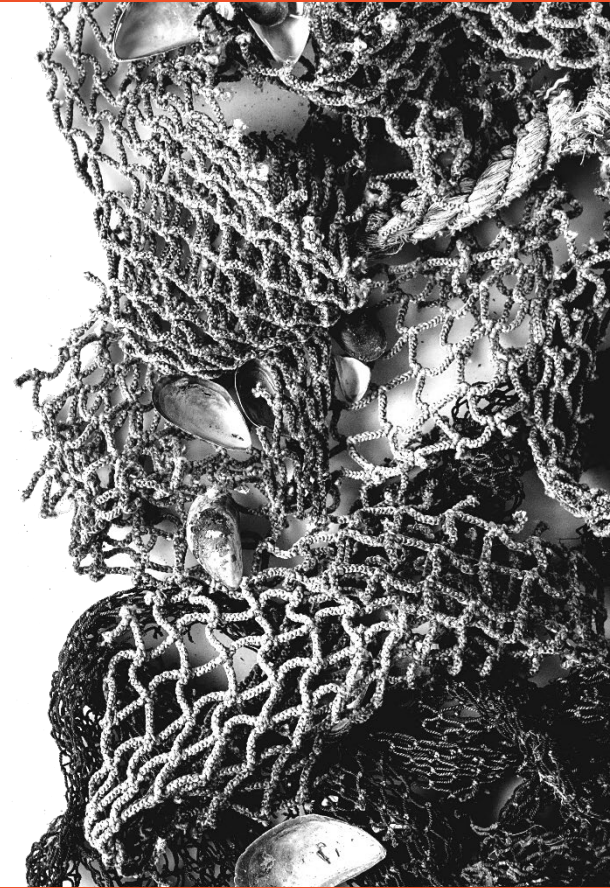


Where do we want to throw out the testing net?



Your Chance

Our success stories



Challenge

- **Technology-Migration** of the data warehouse and reporting system with parallel operation.
- The new system should have been able to deliver **identical results** compared to the legacy system. So, that there was no impact on the users work.
- Quality assurance for newly built system components by **automated testing**.

Solution with BiG EVAL

- **Automated comparison** between the old and the new system with alerting if differences were detected.
- **Regression testing** for newly built loading procedures and data bases.
- **Quality gates** within the continuous integration processes check the implementation quality of newly built system components.

Benefits

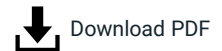
- **Unnoticed backend-migration** without any impact on the users work.
- A high degree of automation **made testing easier** for the developers.
- **Seamless adoption** of test cases **into productive operation** to assure data quality even after finishing the migration project.

Success Story



Leading provider in the swiss life insurance market.

Customer since:	2015
Revenue (CHF):	19.2 Mrd.
Employees:	8'600



Download PDF

Challenge

- **Standardizing** an inhouse-developed data warehouse testing solution.
- Reliable **migration** of extensive test cases.
- **Integration** into existing quality management systems and processes.

Solution with BiG EVAL

- **Cross-Technology and multi-system** test case logic.
- Test case execution **in all system environments** (DEV, TEST, PreProd, PROD).
- Complete adoption of existing test case logic using the **flexible scripting features** of BiG EVAL.
- **Massive Scaling** based on Metadata runs **17'000 test cases**.

Benefits

- **Big improvement of data quality** within a short time.
- Recovering the **control over data quality**.
- **Data checks** rolled out to **other departments and processes**.
E.g. BiG EVAL was used to automatically monitor business rules within the internal control of the company that were manually done using an Excel-solution before.

BiG EVAL helped us to reach a stable and good data quality.

Günther Engeler
QA Manager BICC

Helsana

Leading health and accident insurer of Switzerland.

Customer since: 2017
Revenue (CHF) 6.5 Mrd.
Employees: 3'245

Success Story



Download PDF

Challenges

- **Quality assurance** within the **release process** of analytical models.
- **Preventing unintended changes** in the companies metric when deploying changed system components.

Solution with BiG EVAL

- **Ongoing comparison** of all dimensions, measures and metadata between the productive and the development or testing environment.
- **Test cases across all architectural layers and technologies** to validate data between source systems, the data warehouse and the analytical models.
- More than **3'000 automatically generated test cases**.
- Test case execution in all system environments (DEV, TEST, PreProd, PROD).

Benefits

- **Systematically testing** with a maximum of test coverage assures quality in the release process.
- **Freeing of developer resources** because there is no more manual testing effort needed.

On the second day of the proof of concept project, BiG EVAL identified an unknown issue within our data warehouse historization.

Stefanie Saurwein
Solution Engineer BI

Success Story

DENNER

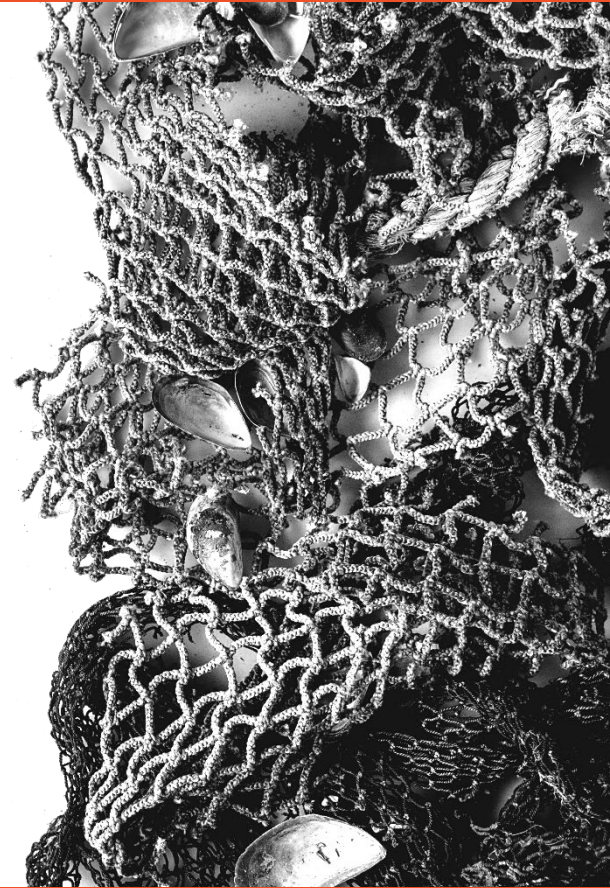
One of the three biggest groceries stores in switzerland owned by the MIGROS Group.

Customer since: 2019
Revenue (CHF): 3.2 Mrd.
Employees: 5'075



Your Project

Our Approach



How does BiG EVAL operate?

Your data



Data bases



Flatfiles



ERP, CRM, ...



SaaS



Metadata



Processes

Automated checks
for quality criteria



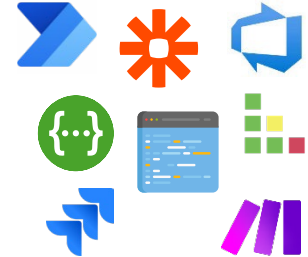
Indications and alerts on
detected issues



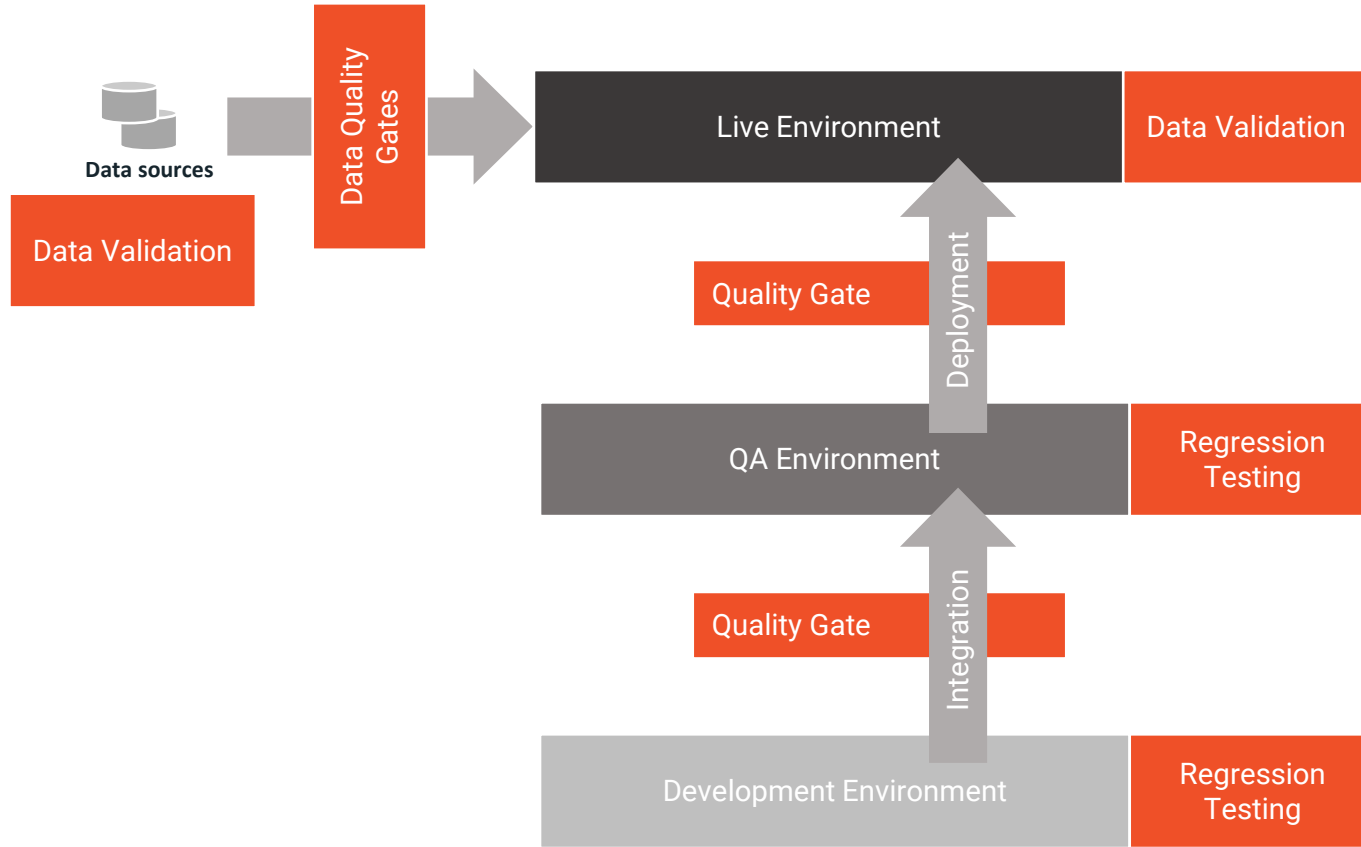
Alerting
Process & App Integration



Integrate with
5'000++ Apps



Data Product Quality Assurance



Azure DevOps



PowerShell Module



REST API

Areas of BI Testing BiG EVAL supports

Data Integration Testing

- Source Data Quality Gating
- ETL / ELT
- Transformations
- Historization
- Logging & Auditability

Data Model Testing

- Integrity
- Consistency
- Completeness
- Scalability
- Schema

Analysis Model Testing

- Plausibility of KPI and information
- Aggregations
- Calculations
- Value Distribution

End to End Testing

- Data Comparisons
- Object Availability / Duplicates
- Component Integration

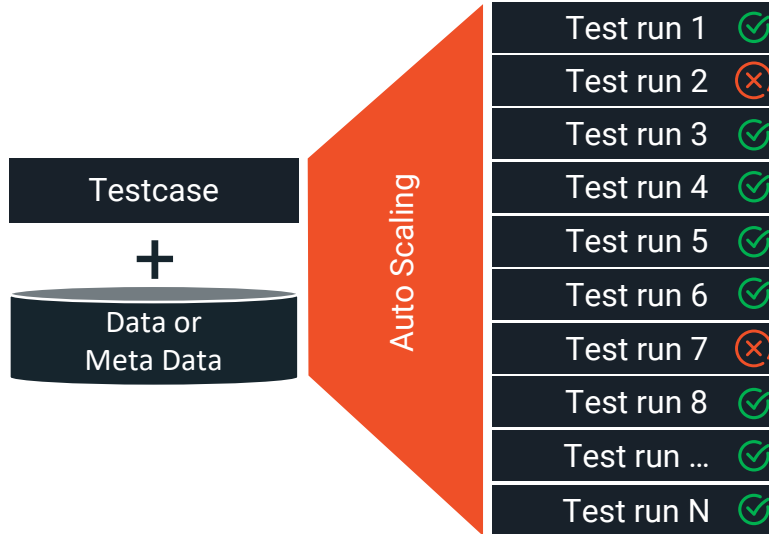
Security Testing

- User Access
- Admin & Operator Access
- Security Auditing

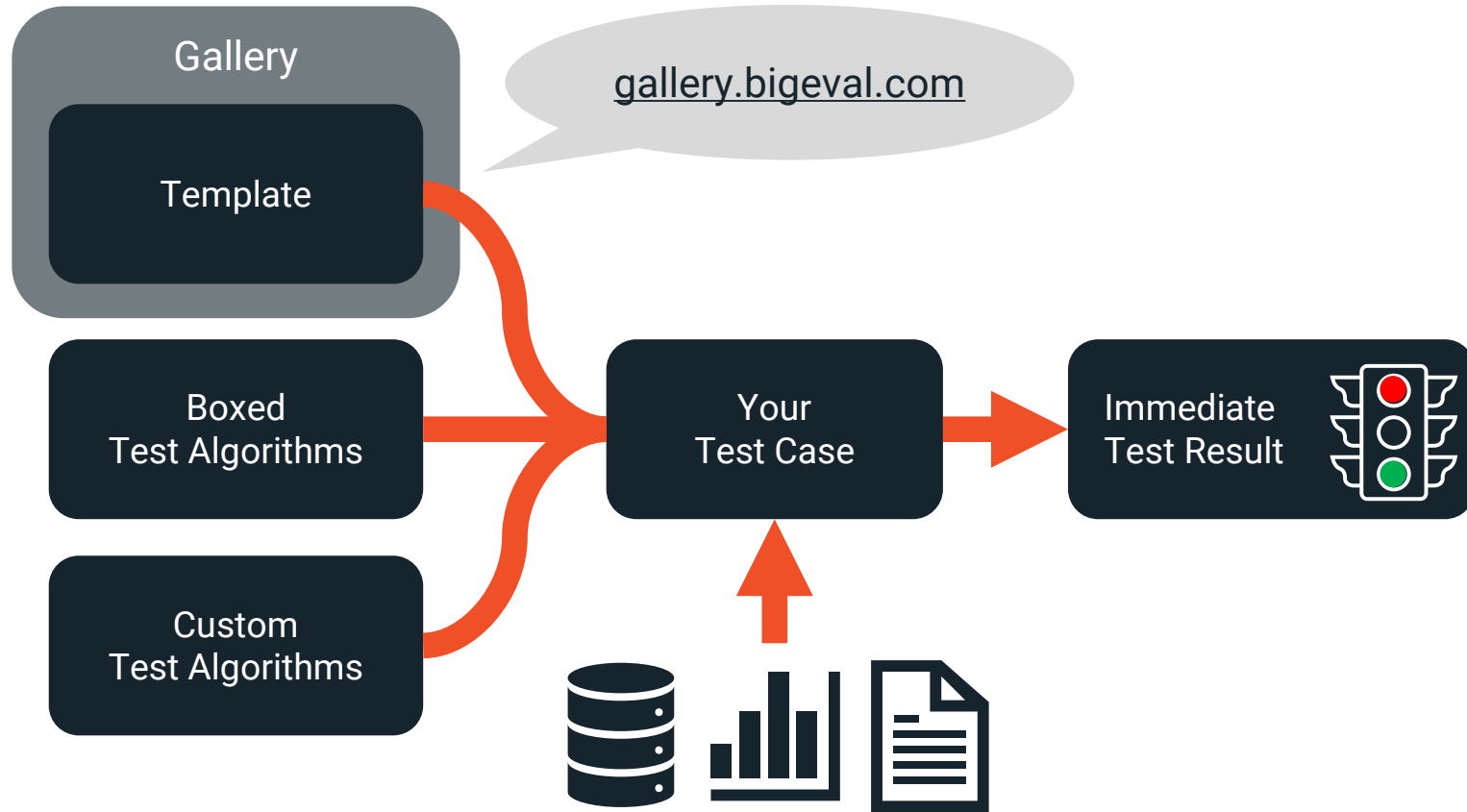
Performance Testing

- Data Integration
- Analysis Model Performance
- Report Performance

Scripted Testing



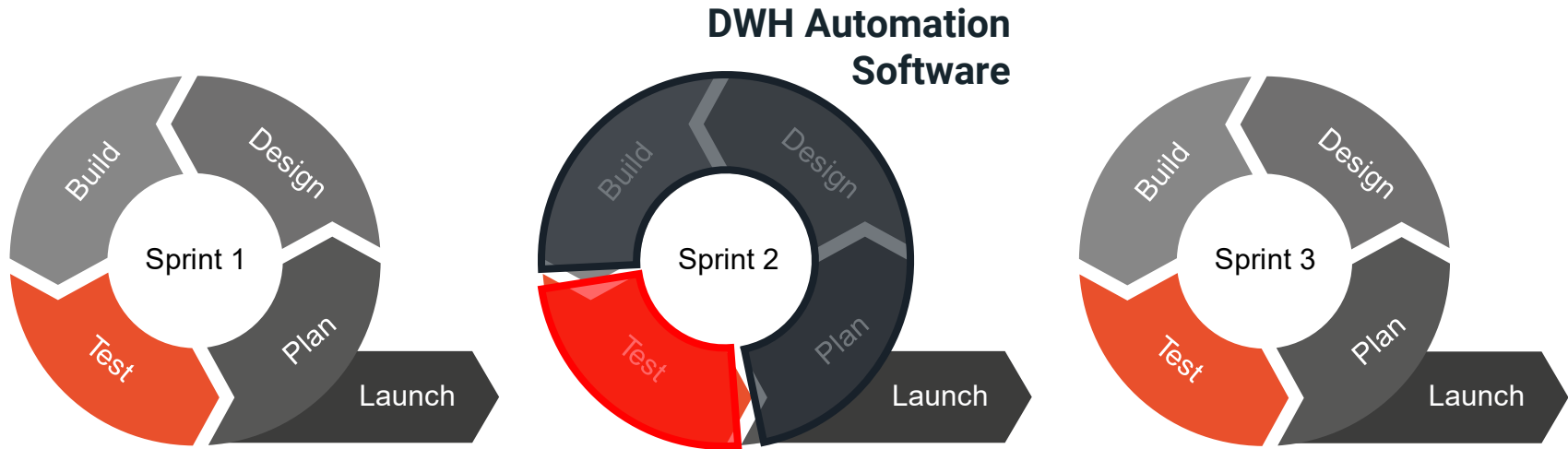
Same Day Productivity





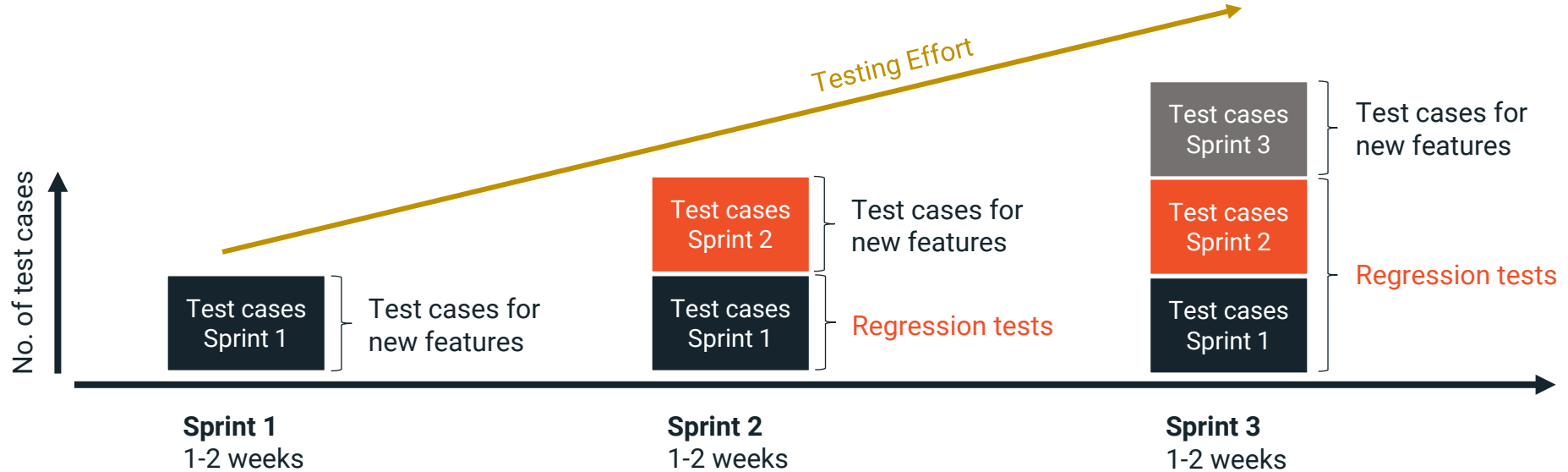
Fuelling DWH Automation Metadata

Automation in an agile Data Project

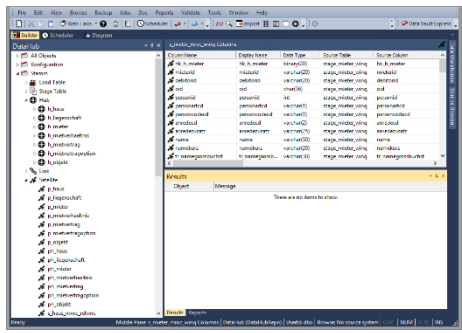


**Test Automation with
BiG EVAL**

Regression Testing



Metadata driven test automation



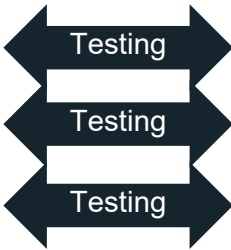
Metadata

Test case

- Dimension 1
- Dimension 2
- Dimension 3
- Dimension n

Test case multiplication and configuration

Test case instances for all Dimensions



Test results

In summary, with BiG EVAL you get...



A **testing net** for data quality checks incl. best practices.



Decision- and alerting-processes when errors arise.



Risk reductions; less costs and opportunities for more revenue.



More time for analysis and improvements due to automated and continuous validation.



Technical and organizational measures for **quality assurance in accordance to GDPR.**



A tool to implement **Data Governance measures.**



Control and a central overview of your data quality.

Let's become a professional «fault fisher»!



LET'S GO FISHING!

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8302 Kloten
Schweiz

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Web: www.bigeval.com

