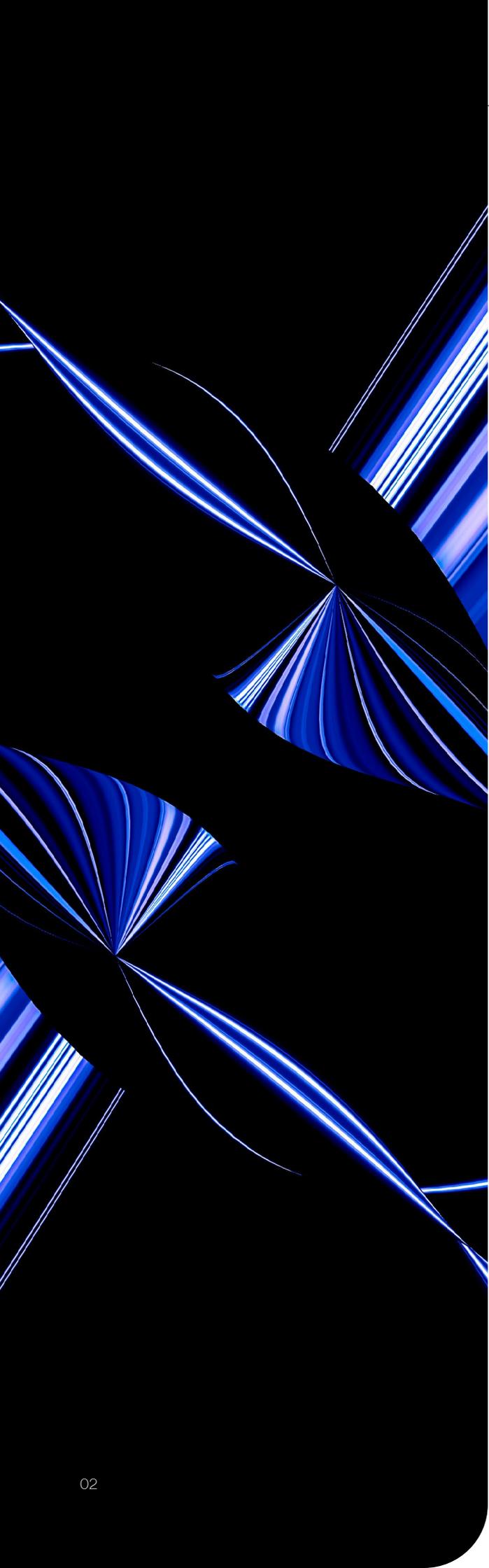




DATACTICS™

# Managing data in motion

Realize the combined power of data quality  
and data lineage



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# Overview

In an ideal world, data would be maintained in a single place with limited users - and easily governed. In reality however, data is located in many silos and systems. This makes it difficult to understand the integrity and quality of the data as it propagates and flows through various business systems.

Consequently, many data stewards struggle to understand:

- Where data has come from.
- And, the quality of that information throughout its entire journey.

**Dataactics** and **Solidatus** offer next-generation data quality and data lineage with full integration between the two solutions to realize the true potential of managing data in motion, and without being tied to one single enterprise data governance and quality platform.

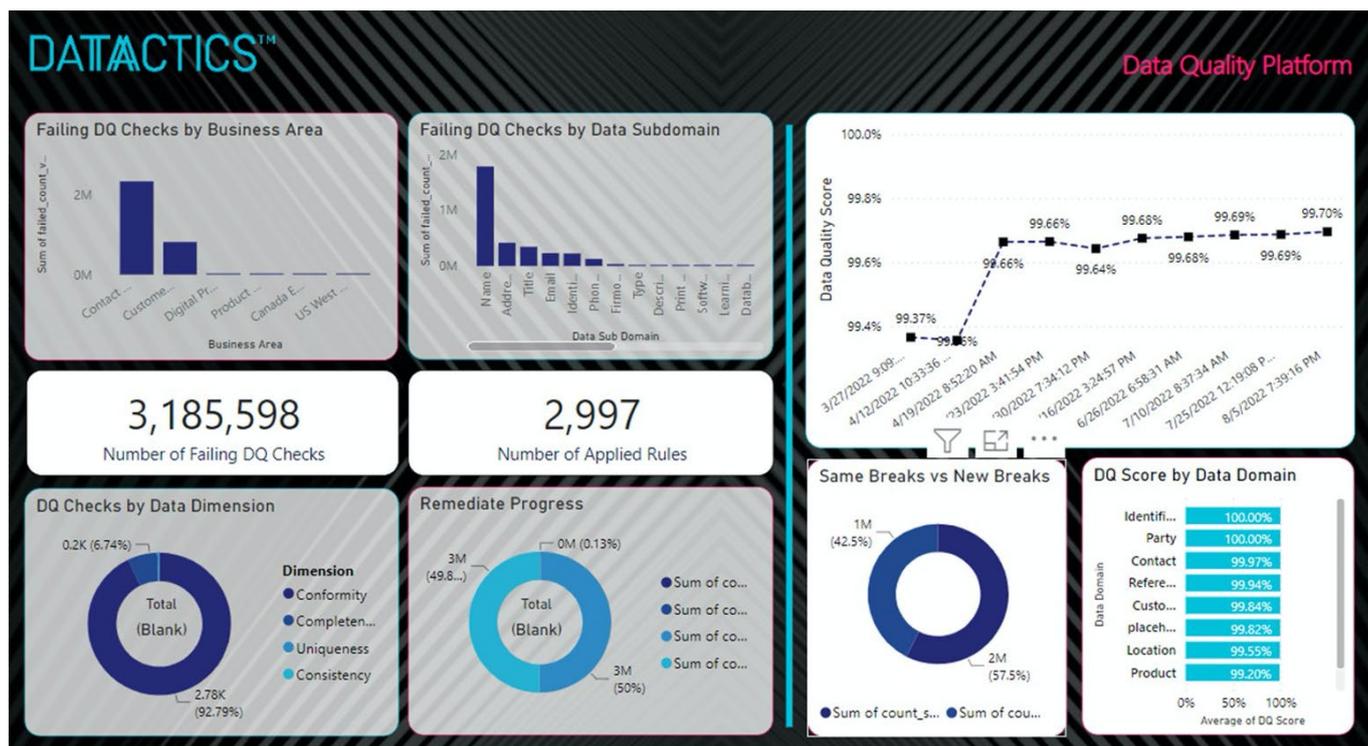
## What it means for data management users:

- **Visualize where data quality issues are occurring:**  
surface results of Dataactics data quality processes in Solidatus' lineage model.
- **Understand the business impact of bad data:**  
select attributes in Solidatus to trace the downstream impact of bad data quality.
- **Fix what matters, wherever it is located:**  
use Solidatus' data location coordinates to redeploy Dataactics data quality rules wherever the data occurs, enabling true root cause analysis.

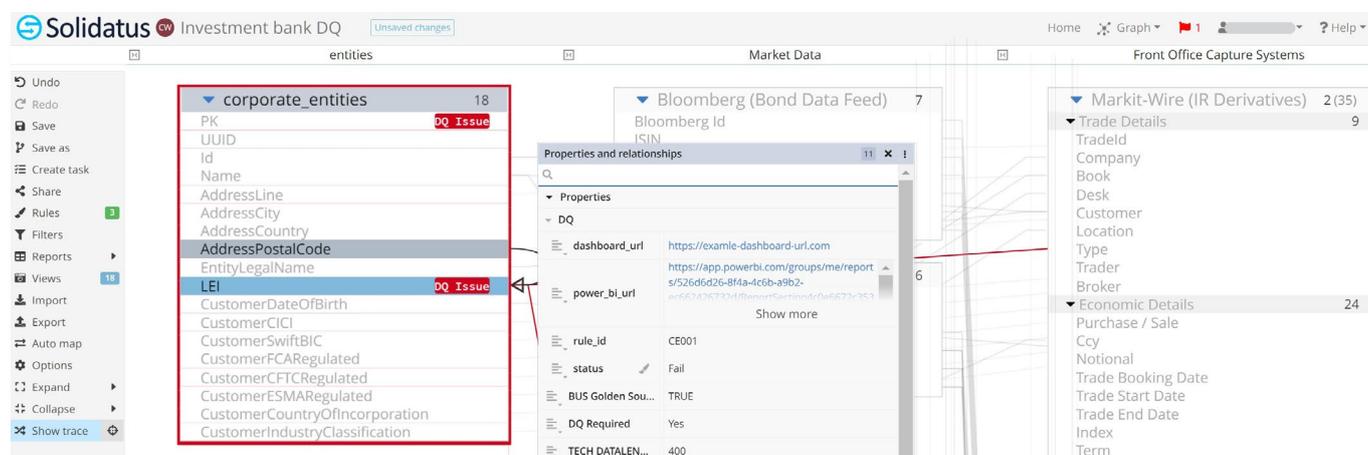
# How it works

## Visualize where data quality issues are occurring

Through Dataactics' no-code platform, data stewards can quickly build rules to measure and monitor data quality across industry-recognized dimensions defined by authorities such as DCAM and DAMA. The output of these measurements are visualized in a Qlik, Tableau or PowerBI dashboard for analysis by senior data management.



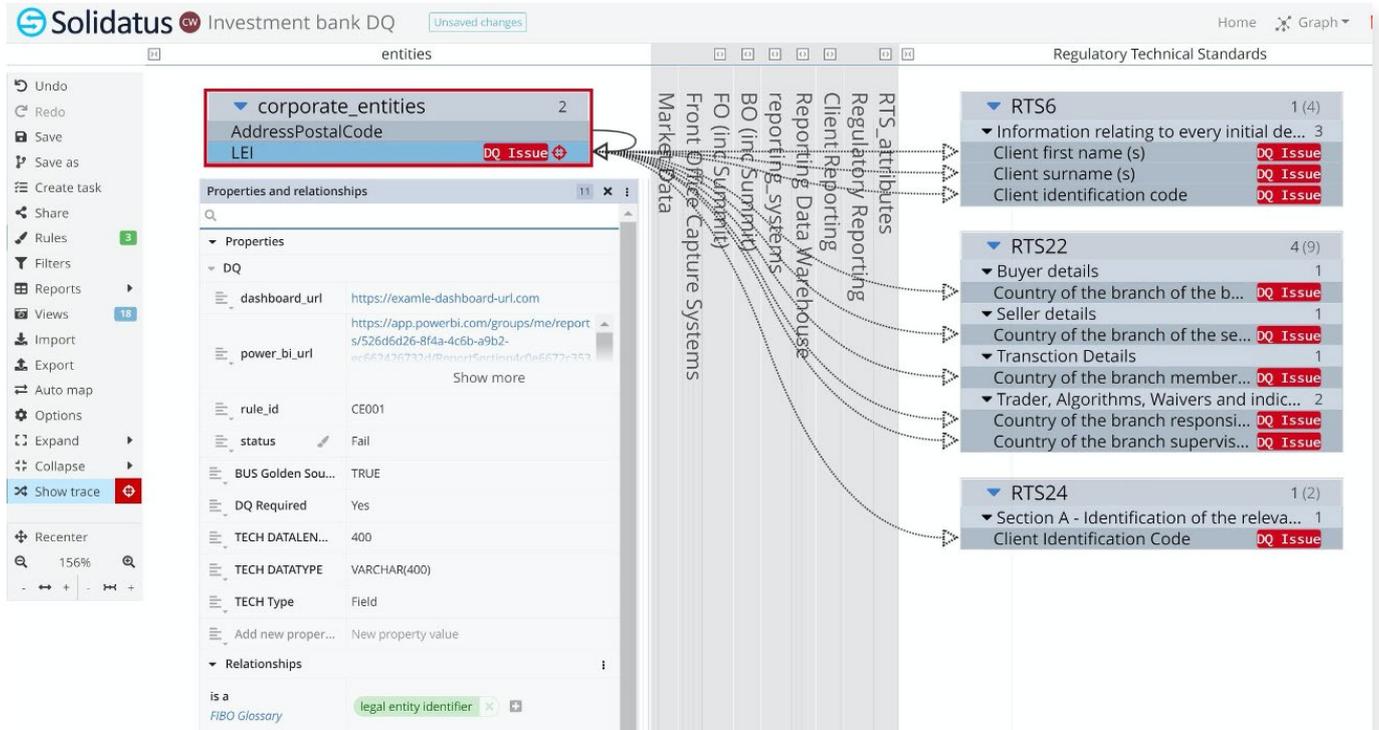
The integration between Dataactics and Solidatus allows data stewards to track these issues through systems and silos to locate the upstream potential cause of the break. This visual trace of the data quality issues reduces the time and cost in root cause analysis.



In the diagram above, various DQ rules and failures have been surfaced into the Investment banking model. Dataactics has assessed the data quality of several columns within the *corporate\_entities* table.

## Understand the business impact of bad data

In the previous example, Solidatus and Datactics combined to pinpoint the most common or strategically important cause. The other aspect of this use case is interpreting the impact on a specific regulation – such as MIFID II, around Legal Entity Identifier (LEI) validity – and how fit for purpose the data is.



By selecting the LEI attribute, we can trace the downstream impact of bad data quality in relation to the data quality rule CE001 which assesses the validity of the LEI values. This integration enables the user to visualize how the bad data quality can propagate downstream to business applications. The metrics associated with the poor data quality – such as rule IDs or names – can be highlighted here with a simple dashboard URL helping the user to switch seamlessly from Solidatus back to the Datactics platform.

Datactics and Solidatus have delivered a wide range of regulatory reporting data management programs including for:

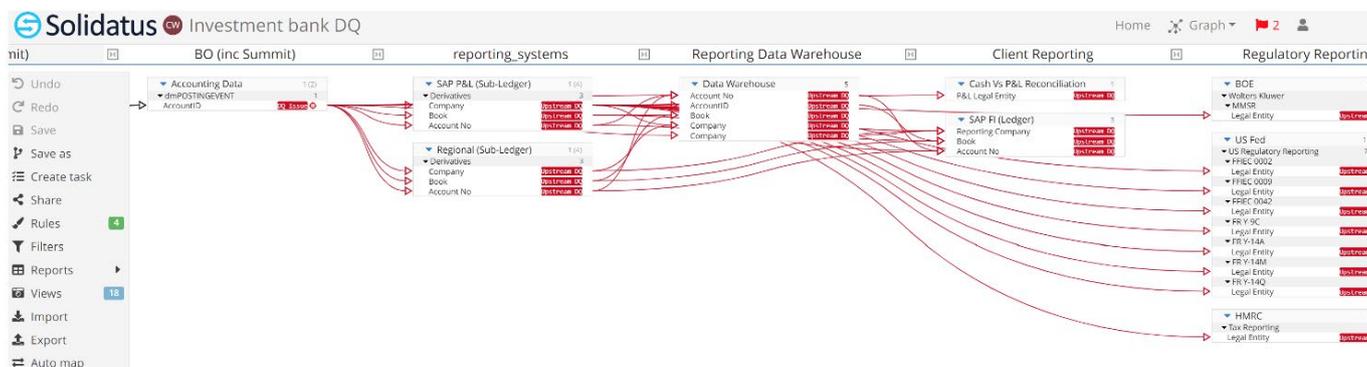
- CCAR
- Solvency II
- BCBS239
- FSCS (Deposit Guarantee Scheme)

The use cases in this instance extend to:

- Digital transformation
- Single customer view
- Migrations, M&A and consolidation

### Fix what matters, wherever it is located

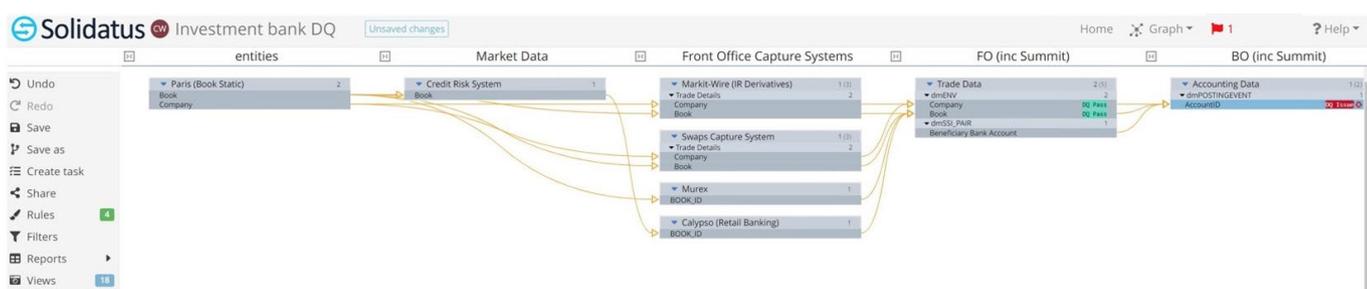
Every data steward knows the importance of identifying the most serious data quality breaks and ensuring the business understands the impact of the break. In this diagram, Solidatus has generated a visual exception report showing the downstream impact of a data quality issue on regulatory reporting.



Datactics allows for risk criticality to be tagged as metadata in its data quality rules, connecting the business impact of a rule break to the data itself. This provides a way for the business user to prioritize remediation of the most risk-critical or costly breaks.

The image below displays the same rule set assessing the AccountID data in the AccountingData table. This time, the Solidatus trace provides invaluable insight into the potential root cause of the data break. Two incoming columns have been assessed and passed so the failure is more likely in the trace of unassessed systems and data.

The integration between Datactics and Solidatus sees Datactics pushing the data quality results to Solidatus, visualizing data quality in motion, receiving the lineage and data co-ordinates of the various sources of the **AccountID**. This enables the user to redeploy the same data quality rule in Datactics across each origin of the AccountID to facilitate the user in the determination of the root cause of any data quality issue.



# Benefits

Data leaders deploying Datactics and Solidatus gain unique, reliable and high-quality insights into their data. This combined solution enables them to visualize and understand data quality throughout the enterprise. It empowers them to make faster and better decisions, prioritize and fix key data quality issues, and to address the negative impact of poor data quality wherever the data resides or flows throughout the enterprise.

- **Controls and monitoring**

This integration allows the firms' joint clients to apply a greater number of data quality controls across all business-critical systems. This means data quality can be visualized and monitored 'in motion' instead of simply 'at rest'. Data leaders can gain insight into where data comes from, and into the trustworthiness, accuracy, integrity and quality of the data.

- **Root cause analysis**

By visualizing data quality metrics at various points of the journey, users can rapidly identify the root cause of data quality errors.

- **Resolution of data quality issues**

Datactics' powerful remediation functionalities enable these data quality issues to be fixed at the source, and Solidatus' powerful visualization capabilities can ensure that they have been resolved at every critical point in the journey. Datactics' no-code approach means firms can rapidly implement a greater number of data quality controls across critical systems.

- **No rip and replace**

Utilizing this combined solution overcomes the complexity of managing data in multiple locations. It reduces the need to undertake significant transformation of a firm's technology stack and avoids the need to be tied to one single enterprise platform.

- **Deliver against 'Data Fabric' and 'Data Observability' emerging trends**

Data leaders can achieve significant inroads into both emerging concepts – through greater understanding of enterprise data management and business intelligence – into the readiness of data for its intended use.

## About Dataactics



Dataactics offers a self-service, low-code data quality platform for non-technical users by providing AI/ML-driven automation in many data quality processes, especially in data profiling, monitoring and detection, and entity matching. ML augmentation includes auto suggestion of data quality rules based on analysis of the underlying dataset and many different prebuilt algorithms for outlier detection.

[dataactics.com](https://dataactics.com)

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## About Solidatus



Solidatus is an innovative data management solution that empowers organizations to connect and visualize their data relationships, simplifying how they identify, access, and understand them. With a sustainable data foundation in place, data-rich enterprises can meet regulatory requirements, drive digital transformation, capture business insights, and make better, less risky and more informed data-driven decisions.

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