

Regulatory Compliance & Transformation, Client Analytics De-risking Europe's Largest SQL Migration in Financial Services

By Peter Griffiths

How Calimere Point delivered data assurance across 12 billion+ records for a Tier 1 regulated institution

A Tier 1 financial services organisation operating in the post-trade regulatory reporting space under MiFID II undertook the modernisation of its data infrastructure. This included migrating over 12 billion historical transaction records from a legacy SQL environment to a cloud-based platform. The objectives were twofold: reduce storage costs through modern architecture and enable a new transaction analytics product.

Given the regulatory sensitivity and operational risk involved, the institution needed to guarantee that every data point migrated was complete, coherent, and traceable.

Key Stats:

- 12+ billion records assured
- 5 years of transaction history
- 100% attribute-level validation
- Multiple months of manual QA time eliminated

Overview:

Client: A Tier 1, European-based financial institution

Sector: Post-trade regulatory reporting under MiFID II

Scope: 12+ billion transaction records migrated from legacy SQL infrastructure to a cloud data platform

Risk Context: One of the most sensitive and compliance-heavy datasets in European financial services

Why Migrate?

The legacy SQL infrastructure that supported the client's ARM (Approved Reporting Mechanism) platform had reached a point of diminishing returns. Performance was constrained, costs of scaling were rising, and technical debt was accumulating. Additionally, as regulatory and client demands became more complex, the legacy stack struggled to support the advanced analytics needed to deliver new value-added services, such as real-time transaction monitoring and compliance diagnostics.

After careful evaluation, the organisation selected Snowflake as its cloud platform of choice. Snowflake's elasticity, separation of compute and storage, and robust security framework made it ideal for regulated environments. Crucially, Snowflake would allow the client to unlock new insights and analytics at scale, turning historical data from a compliance burden into a strategic asset.

The Challenge

- 12+ billion records
- Migration from high-risk, static legacy SQL to a dynamic, scalable cloud environment
- Zero tolerance for data loss, corruption, or misalignment under MiFID II regulations
- Need to validate not only record volumes, but also attribute-level fidelity across datasets

"Attribute-level validation gave our client **real-time clarity and complete trust in their data** — with months of manual QA saved in the process."



Our Role

Calimere Point was brought in to design and implement a comprehensive assurance infrastructure. As long-standing implementation partners for Precisely's Data360 Analyze, we were uniquely positioned to deploy this platform with the depth and speed required by the client's complex financial environment.

Why Data360 Analyze?

Data360 Analyze is a powerful data quality, profiling, and reconciliation platform that supports complex assurance use cases. But its real strength lies in how it can be tailored to the domain. With deep domain knowledge of financial services and the MiFID II regulatory framework, Calimere Point built custom rule sets and workflows within Data360 Analyze to:


- Reconcile record volumes between SQL and Snowflake
- Validate attribute-level coherence across billions of records
- Trace missing or anomalous values back to source logic
- Flag inconsistencies in near real-time

How the Solution Delivered Above Expectations

The granularity of our validation framework was unmatched. Rather than relying on broad QA assumptions or post-migration sampling, we engineered a solution that combed through every record, every field, without performance degradation. This allowed the client to:

- Triage migration errors early, not days later
- Understand the root cause of data quality issues instantly
- Iterate safely in a prototyping environment before switching systems

The Outcome



Full confidence
in the integrity
of the migrated
dataset

Months of QA
and engineering
resource time
saved

A smooth
cutover to
Snowflake with
minimal business
disruption

A future-proof
data platform
ready for
innovation in
client analytics

Conclusion

This project proved that with the right expertise, tools, and approach, even the most complex and sensitive data migrations can be executed with confidence. By combining deep financial services knowledge with powerful assurance technology, we helped a Tier 1 institution move beyond risk mitigation and unlock new value from their data.

The result wasn't just a successful migration, it was a foundation for future innovation, delivered on time and with full trust in the outcome.



**"This wasn't just a migration. It was a
precision-led assurance programme
designed to protect data integrity,
regulatory compliance, and business
continuity."**

Ready to De-risk Your Next Migration?

If you're planning a major platform shift or need to validate the integrity of critical datasets, we can help. Get in touch to discuss how we can support your transformation.

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Calimere Point is a data analytics consultancy based in the United Kingdom. We provide our clients with value by developing robust data analytics capabilities that enable deeper insight and better decisions.