



SAS® Quality Analytic Suite With Teradata

Overview

SAS Quality Analytic Suite with Teradata offers an integrated, powerful solution combining the Teradata platform with SAS Analytics to help customers drive and improve quality performance.

With enterprise data management and analytics capabilities from SAS and Teradata, organizations can:

- Reduce warranty and recall costs.
- Identify root causes faster.
- Improve enterprise quality and production performance.
- Predict maintenance needs and lower maintenance costs.

Why SAS and Teradata for quality management?

SAS and Teradata have been strategic partners for more than a decade. We've delivered joint solutions to more than 200 customers, helping them create integrated, fast advanced analytics environments. Our solution combines the strengths of SAS industry-leading analytics and quality management with the power of the Teradata Database. It's backed by well-defined services for quick implementation and rapid return on investment thanks to experienced experts who know how to work together.

SAS and Teradata were the first in the industry to deliver end-to-end data management and analytics capabilities. The SAS Quality Analytic Suite with Teradata extends our capabilities and uses proven methods to prepare and cleanse the data, develop and execute analytical models, and then score them according to the conditions under which those models and business rules are valid. The solution empowers your staff to make more accurate, consistent, data-driven decisions and take the right action for quality management.

Solution breakdown

The SAS Quality Analytic Suite with Teradata includes three quality analysis solutions with prebuilt data quality calculations and distributions, patented early-warning algorithms, out-of-the-box analyses, and advanced data modeling – all integrated in one platform.

- **SAS Field Quality Analytics:** Detect emerging issues and root causes within warranty, call center and other field data sources.
- **SAS Asset Performance Analytics:** Boost uptime, performance and productivity by harnessing machine-to-machine and sensor data.
- **SAS Production Quality Analytics:** Improve quality and production performance by integrating data from across the manufacturing process and supply chain.

Designed for quality performance in manufacturing, this solution allows you to analyze all your data – no matter how large. And our integrated quality suite eliminates data latency and automates business rules and analytical model interactions so they're reliable, resilient – and right.

Our Difference

This solution enables you to:

- Integrate data management and analytics into a harmonious process and platform.
- Be more responsive, proactive and reliant on data-driven quality decisions for new opportunities.
- Improve performance and minimize time previously spent moving or duplicating data.
- Increase security and compliance with data in one integrated, highly governed environment.
- Minimize costs by benefiting from one technology instead of piecemeal tools.
- Deliver important analytical insights to any level of your organization.

The SAS and Teradata solution gives you the ability to capture, integrate and analyze all of your data sources (structured and semistructured) to obtain quality insights about your products, goods and services (see Figure 1).

Business Benefits:

- Offers an integrated solution from the best vendors in the industry for quality analytics and data management.
- Reduces the risk and cost with established and proven technologies and services from SAS and Teradata.
- Delivers timely analytical insights with quality performance.

IT Benefits:

- Quickly and easily gather and centralize data from multiple systems.
- Deliver critical, quality information to the enterprise.

What if you could...

Decrease warranty and recall costs

Warranty costs are a necessary, if not strategic, part of doing business for manufacturers. SAS Quality Analytic Suite with Teradata minimizes warranty costs by finding and resolving issues quickly. The solution helps you isolate the population that's likely to fail, enabling smaller, more focused recalls. Faster detection, earlier resolution and more targeted recalls help minimize the direct financial cost of repair and replacement, as well as protect brand equity by minimizing the impacts of product issues on the customer experience.

Enhance quality and production performance

The SAS Quality Analytic Suite with Teradata centralizes the relevant data from disparate and isolated systems to provide a holistic view of your product and process quality picture on one platform. Now you can apply advanced analytics in a highly governed environment to identify emerging issues, prioritize them and resolve them quickly. As a result, you can trust the quality of your products and manufacturing processes, be confident in production yields and schedules, and fill customer orders on time. Equally important, you can launch products faster with lower operational and warranty costs – all while sustaining high customer satisfaction and profitability.

Forecast maintenance needs, reduce maintenance costs

Unplanned downtime wreaks havoc on production efficiency. Not only are products not shipping, but workers sit idle. The SAS Quality Analytic Suite with Teradata enables you to automatically monitor system performance and predict the likelihood of failure so you can perform planned maintenance – and avoid costly line stoppage. As a result, you can schedule production with confidence – with less unplanned downtime – and eliminate unnecessary and costly maintenance.

Why SAS and Teradata

SAS is the leader in analytics. Through innovative analytics, business intelligence and data management software and services, SAS helps customers at more than 83,000 sites make better decisions faster. Since 1976, SAS has been giving customers around the world THE POWER TO KNOW®.

Teradata empowers companies to achieve high-impact business outcomes. Our focus on business solutions for analytics, coupled with our industry leading technology and architecture expertise, can unleash the potential of great companies. For more information, contact your SAS or Teradata representative or visit sas.com/teradata or teradata.com/sas.

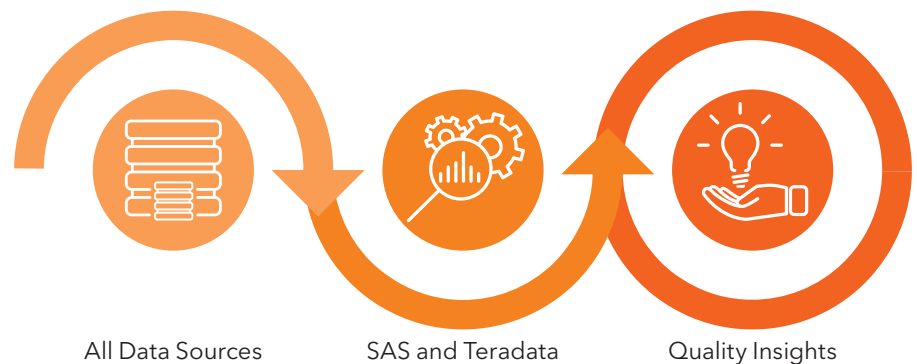


Figure 1: The SAS Quality Analytic Suite with Teradata is an integrated solution that enhances quality performance.

Contact your SAS or Teradata representative or visit sas.com/teradata or teradata.com/sas

