



Advanced Quality Analytics on SAP HANA

Industry: Chemicals

Location: North America

Business Challenges

A large global provider of specialty chemicals for the transportation, industrial, and consumer markets based in North America was looking for a solution to analyze their quality performance across thousands of products. They were looking for a modern in-memory analytics solution to overcome the performance challenges of their legacy solution which was finding difficulty in processing over 250 million records required by them for advanced analytics on an on-going basis.

The Solution

They chose Rolta OneView™ solution with its industry standard data model, engineered for SAP HANA and drawing cross functional data from production planning, recipe management, sales order, Quality management and materials management. Furthermore, Rolta OneView™ ability support user driven queries and specific scenario analysis was an important requirement.

The Benefits

Deployment of Rolta OneView powered by SAP HANA has enabled the customer to view complex analytical queries within seconds. Additionally they are also seeing several other benefits:

- Better and quicker identification of quality deviations have resulted in significant cost savings
- Ability to draw standardization of operating parameter based on quality performance
- Early identification of bad actors and major influencers for quality deviations
- Advanced analytics for deriving correlations across multidimensional inspection characteristics



OneView6_Dev.OVOI::CV01_QLTY_ANLS_F HDX (ROLTA)

Analysis | Distinct values | Raw Data | Show Log | Max rows: 5000

Available objects: OperationNumber, SamplingPoint, PlantCode, AssetCode, AssetName, CustomerName, VendorName, ProductionBatchCode, InspectionResultValueNur, InspectionResultValueCh, OriginatingBatchNumber, TargetBatchSize, TargetSizeLomCode, PlanVersion, InspectionEndDateYYYYM, InspectionEndFullDate, InspectionUserDecisionDe, InspectionUserDecisionFu, InspectionPostingDateYY, InspectionPostingFullDate, QualityParameterName, PlanParameterWeightage, InspectionStartDateYYYYM, InspectionStartFullDate

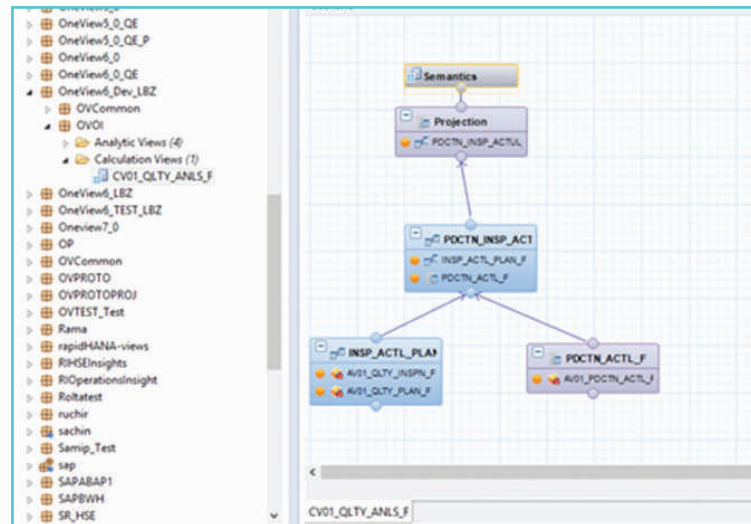
Filters: InspectionEndFullDate ≥ 2014-05-01, InspectionEndFullDate ≤ 2014-05-04

Labels axis: ProductName, MaterialValuationClass, PlantCode, InspectionResultValueN...

Values axis: (empty)

2979 rows retrieved - 124 ms

ProductName	MaterialValuationClass	PlantCode	Insped
ADDCO(TM) 370-P, ...	8002	P045	
ADDCO(TM) 370-P, ...	8002	P045	
ADDCO(TM) 370-P, ...	8002	P045	
ADDCO(TM) 370-P, ...	8002	P045	
ADDCO(TM) 370-P, ...	8002	P045	
ADDCO(TM) 370-P, ...	8002	P045	
ADDCO(TM) 370-P, ...	8002	P045	
ADDCO(TM) 370-P, ...	8002	P045	
ADDCO(TM) 370-P, ...	8002	P045	
ALOX@ 165, 18/16 ...	8002	P003	
ALOX@ 165, 18/16 ...	8002	P003	
ALOX@ 165, 18/16 ...	8002	P003	
ALOX@ 165, 18/16 ...	8002	P003	
ALOX@ 165, 18/16 ...	8002	P003	



About Rolta

Rolta is a leading provider of innovative IT solutions for many vertical segments, including Utilities, Oil & Gas, Manufacturing, Federal and State Governments, Defense, Homeland Security, Financial Services, Retail, and Healthcare. By uniquely combining its expertise in the IT, Engineering and Geospatial domains, Rolta develops exceptional solutions for these segments. The Company leverages its industry-specific know-how, rich repository of field-proven intellectual property that spans photogrammetry, image processing, geospatial applications, Business Intelligence, Big Data analytics and Cloud computing for providing sophisticated enterprise-level integrated solutions. Rolta OneView™ Enterprise Suite is one such innovative BI solution with field-proven benefits and unique IT-OT integration incorporating Rolta’s patented technology for asset intensive industries. Rolta is a multinational organization headquartered in India with revenues exceeding US\$ 600M and over 3500 people operating from 40 locations worldwide and has successfully executed projects in over 45 countries.