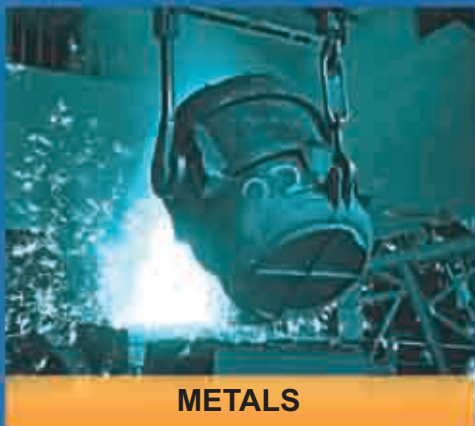


Delivering Integrated Business Insights



*Aligning Strategy, Investments and Key Measures for
Operational Excellence*



Achieving Operational Excellence

Information Anywhere

Organizations require best-of-breed business systems and practices to become pacesetter in the industry and remain competitive. However, a plethora of business systems, processes and workflows managed by disparate teams, spread across geographies poses severe challenges.

- More time spent on collecting information than analysis to drive decisions
- Skepticism about information accuracy and consistency
- Difficulty in sorting information when required
- Sharing of Information across the organization
- Analysis of data in right perspective
- Building strategies leveraging performance analytics



Disconnected pieces of information spread across the organization needs to be bound together to extract actionable intelligence while driving the culture of data based decision-making to achieve Operational Excellence. This is no longer a dream, right systems and practices can turn it into reality.

Realizing Operational Excellence

Shift towards a transparent information ecosystem that effectively leverages data and information regardless of its source will be a key differentiator for manufacturing companies striving for Operational Excellence by:

- Managing Risk and Compliance
- On-time Decisions with Actionable intelligence
- Optimizing Utilization, Avoiding Failures and thereby Lowering Expenditure
- Innovation and Value maximization
- Proactive Culture
- Knowledge Management
- Customer Satisfaction



Rolta offers an integrated Operational Excellence solution **Rolta OneView™** that provides consistent information with actionable intelligence to all stakeholders across the enterprise.

Rolta OneView™ Solution

Rolta OneView™ is a unique solution providing Business Insights for operational excellence combining the core capabilities of Information Technology with Engineering and Geo-spatial Information Systems. It provides a framework to achieve the goals sustainably, integrating mission critical information seamlessly across business functions in the enterprise. The solution is designed by domain experts from different functions within the process industry to address inherent inefficiencies and expose the potential hazards before they affect operations thereby averting impending threats.

Rolta OneView is designed to break down the fundamental barriers in achieving excellence, such as organizational culture, cross functional teams, knowledge sharing and collaboration.

Built on best in breed technology platforms it provides intuitive interfaces for decision makers across all levels in the organization. This Out-of-Box Product touches the nerve center of all critical functions, quickly adapting to the existing systems, instills best practices and accelerates the improvement of processes.



Stimulus for Change

- ✓ Organizational Alignment
- ✓ Integration of Information Silo's
- ✓ Cultural Transformation
- ✓ Becoming an Industry Pacesetter
- ✓ Achieving Single Version of Truth
- ✓ Excellence through Knowledge Sharing and Intelligence

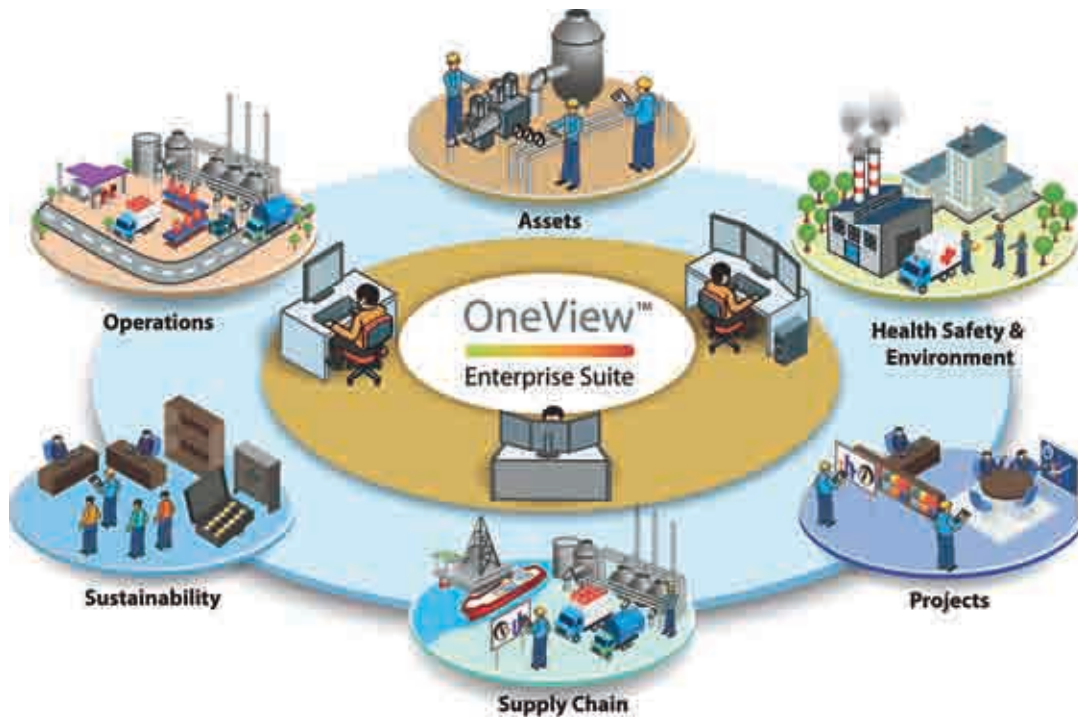
“Excellence – Journey not a Destination”



Modules

Rollta OneView™ provides deeper insights across the core and supporting functions within an organization. Different modules focus on the key processes with a seamless integration allowing the organizations to manage with cross functional visibility. Enterprise Suite collates the information across the facilities for the Strategist and Decision Makers.

Operational Insights	Asset Insights	Health, Safety, Environment Insights
<ul style="list-style-type: none"> • Operation & Production • Energy Utilization • Fuel & Loss Accounting • Preventive Maintenance • Reliability Clock • Operating Cost' 	<ul style="list-style-type: none"> • Asset Historian • Change Management • Failure Analysis • Cost of Ownership • Asset Search • Asset Explorer 	<ul style="list-style-type: none"> • Safety • Security • Health • Environment • Process Safety Management



Sustainability Insights	Supply Chain Insights	Project Insights
<ul style="list-style-type: none"> • Planet • People • Profit • Process • Change Management • Initiatives • Value at Risk 	<ul style="list-style-type: none"> • Raw Material Supply • Finished Goods Distribution • MRO Spares • Logistics Execution • Inventory • Tracking / Forecasting 	<ul style="list-style-type: none"> • Portfolio Management • Project Plan & Schedule compliance • Turnaround Management • Project execution • Budget & Cost tracking

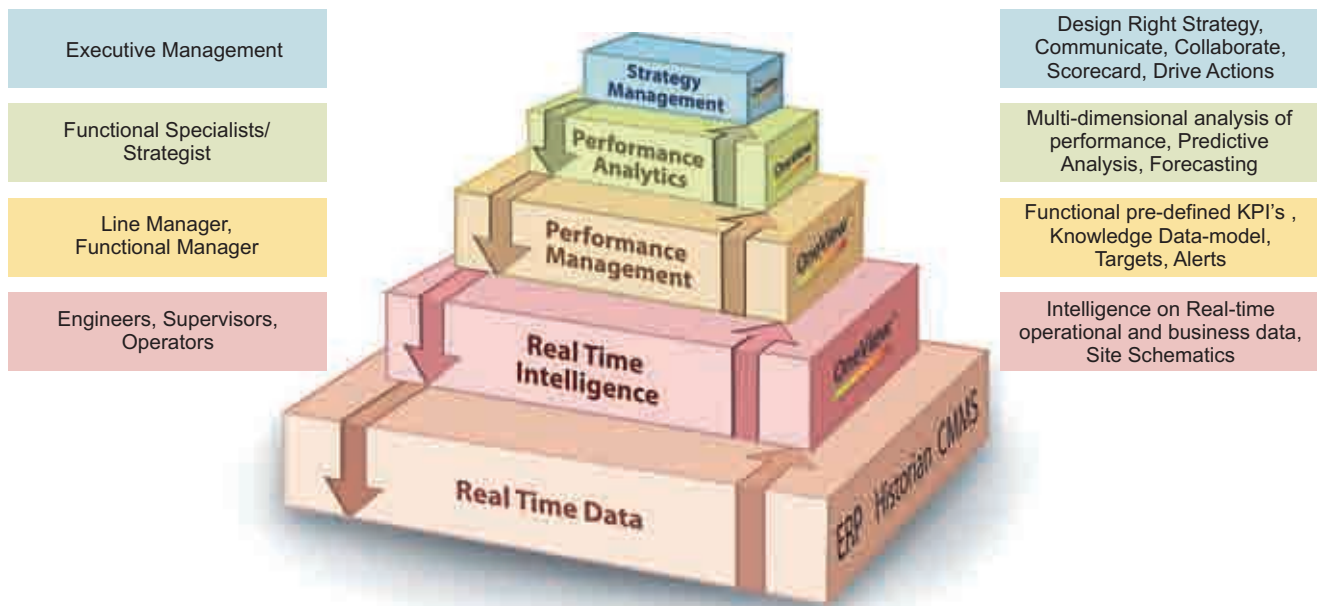
Rollta OneView™ Enterprise Suite also features in-built powerful insights for Support Functions covering **Finance, Human Resources, Sales, Marketing, Trading and Benchmarking**

“A Culture to Hallmark Performance”



Landscape

The landscape is focused on enhancing the human reliability with the asset reliability coupled with a growth path for organizational maturity. It builds on the organisations Real Time Data layer to provide Real Time Intelligence, Performance Management, Performance Analytics and Strategy Management. Tight coupling between each of these layers permits information to seamlessly percolate across each level in either direction.



Real Time Intelligence

- Tracks operating parameters at real time or near real time
- Helps build plant schematics
- Provides alerts in the business context
- Multi-parameter analysis for specific asset
- Flexible, user-friendly interface for analysis frameworks
- Supports logical ad-hoc queries

Performance Management

- Pre-defined KPIs for all functions based on best practices
- Aggregation for Enterprise views
- Role based KPI's and dashboards
- Interactive dashboards with drill down to details
- Knowledge Model for cross-functional analysis
- Performance Comparison between Assets or Units

Performance Analytics

- Enterprise-level Analytics for mission critical decision-making and strategy building
- Multi-dimensional data model and Calculation engine
- Predictive Analysis
- Forecasting tools
- What-if Scenario Analysis
- Actionable intelligence

Strategy Management

- Define Organizational Strategic goals
- Establish strategies with appropriate perspectives
- Co-relate the performance indicators
- Monitor score cards at different levels
- Strategy trees for performance analysis
- Strategy maps for interdependencies
- Prepare cause and effect charts for problem solving

“Aligning People Process & Technology”



Technology Framework

Rollta OneView™ is an end-to-end solution that empowers an organization to quickly have the complete spectrum of business insights and the facility to act on it, on time.

The solution is engineered for scalability and extensibility to address specific organization needs. It is available on industry leading platforms, namely, Oracle, SAP BO, Microsoft and IBM.

Universal Connector Framework: Powered by Rollta iPerspective™, the framework retrieves high volume of historical data and data in real-time from varied data sources. Change data capture and Push mechanism used minimizes load on source systems and network traffic. Data retrieval job schedules and sequences, including source data objects, are completely configurable.

Knowledge Model: It maintains the cross-functional information collated from varied data sources thereby enabling performance management and analytics, including, trends, “slice and dice” analysis, drill down, forecasting, variance analysis, root cause identification, scenario planning and what-if modeling. The design is based on industry best practices and standards to scale across organization sites and businesses. It supports n-level hierarchies, I18n, G11n and can be extended for custom requirements.

Real-Time Intelligence: Enables filtering, co-relating and processing data coming at very high rate. It permits evaluation of real time data against user defined business rules, augmenting data stream with data from other sources, and presenting event patterns.

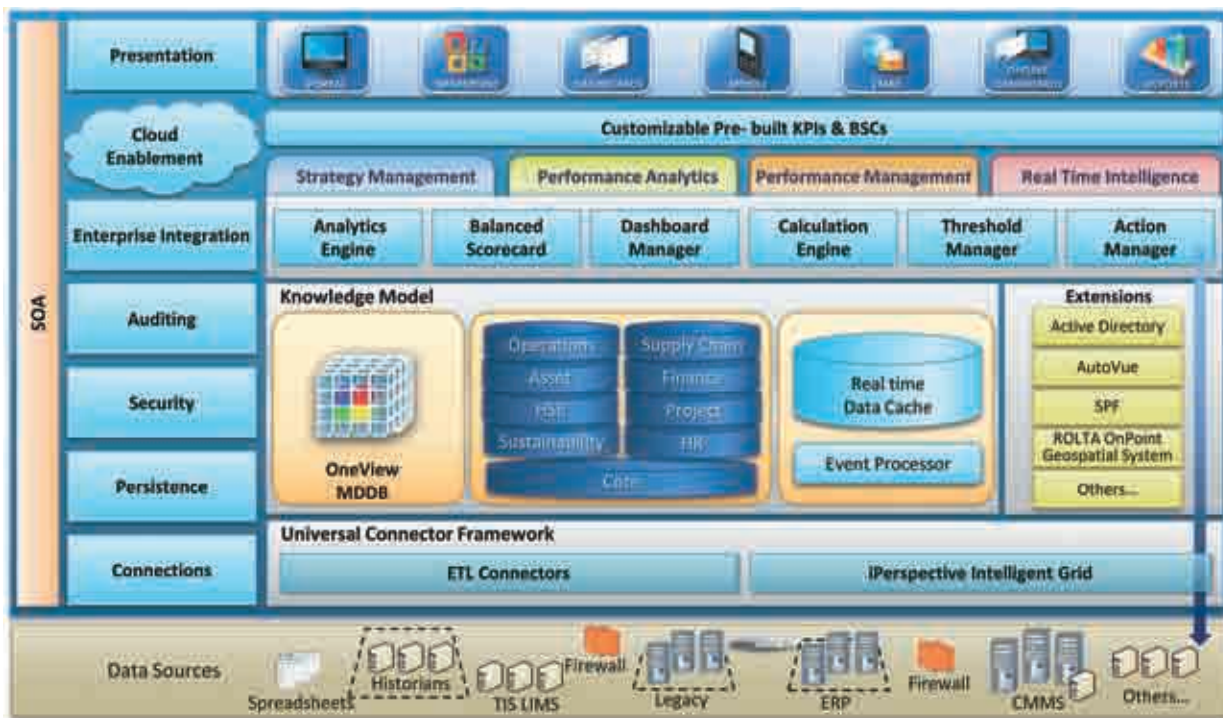
Business aligned Metadata Model: Business users can easily interpret and select entities to build their KPIs as well as extend the model for custom requirements.

KPI Manager & Calculation Engine: Enables users to define KPIs through a guided interface supported by a Calculations Engine that comprises a comprehensive library of functions.

Threshold & Action Manager: Enables users to manage thresholds and targets along with its history. It allows users to define alerts and workflows on these thresholds and targets, which includes invoking application driven action.

Application Framework: Integrates with 3rd party systems including Engineering Systems, Document Management Systems, Map Service Providers, among others.

Collaboration: KPIs and dashboards and scorecards can be hosted on corporate portals in context with related business information. Users can share this information and take collaborative decisions.



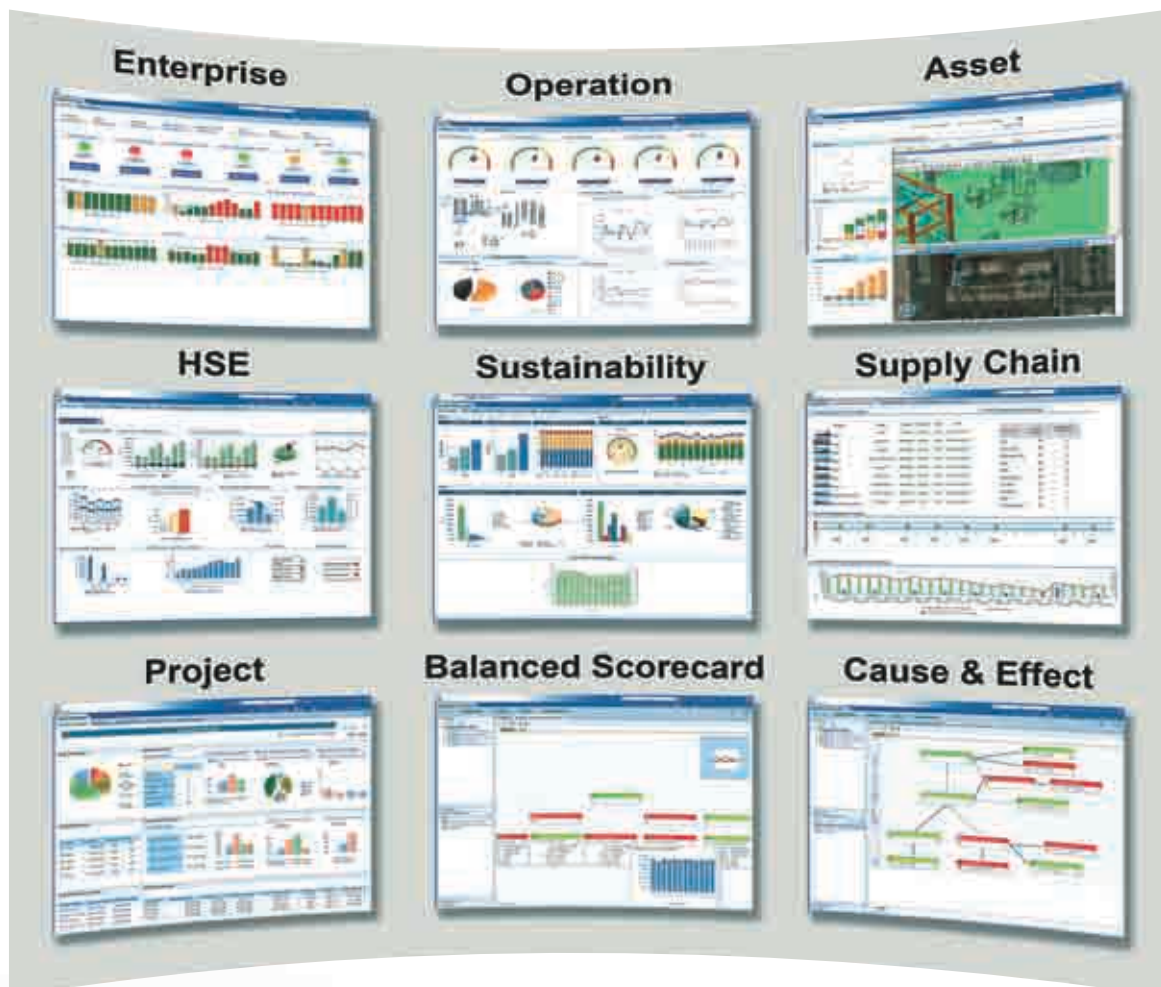
“Perpetual Innovation”

Features

Rolta OneView™ provides best in class features and functionalities with the objective of redefining the user experience.

- ✓ Web based solution
- ✓ Connectors for leading ERP systems, Process Historians, Asset Management Systems, etc.
- ✓ Engineering data integration with 3D Models
- ✓ Drill down to details
- ✓ Real time data integration
- ✓ Write back to transaction systems
- ✓ Role based security model
- ✓ Threshold Management System
- ✓ KPI Management System
- ✓ Seamless Integration with popular office suites
- ✓ Service Oriented Architecture
- ✓ Pre-defined KPI's based on best practices and standards
- ✓ Thematic Map Intelligence
- ✓ Data Cleansing
- ✓ Single Sign on
- ✓ Alert Notification with E-mail, SMS
- ✓ Portal Integration using popular industry standards
- ✓ Integrated Cascaded Balanced Scorecards
- ✓ Compliance to Standards – ISA-S95, Mimoso, ISO 10303, OPC
- ✓ Available on leading BI platforms

Rolta OneView™ Dashboards



“Seize Improvement Opportunities”



Program Benefits

Rolta's Process Industry Specialists and IT consultants leveraged their rich global experience to design the **Rolta OneView™ Implementation Strategy**. This growing best-practices framework builds on unique aspects of the powerful Rolta OneView™ Enterprise Suite, aligning it to organizational readiness and identified priorities. It can be implemented in a modular manner at a pace dictated by the organization.

Organizations can choose to implement OneView layers starting from the base Real-Time intelligence framework, growing through to performance management, analytics and strategy management to suit their business needs. Furthermore the user extensible framework will permit organizations to evolve and enrich the solution over time as they traverse the BI maturity model.

Rolta implementation methodology follows the well defined five phases regardless of the solution being implemented in stages or in its entirety. Ready collection of numerous project-artifacts like templates, checklists, lessons-learned, advisories and wizards, diminish implementation-time frames, curtail TCO and mitigate risks inherent in such a deployment. The five implementation phases are:

- **Project Preparation**
- **Business Blueprint**
- **Realization**
- **Final Preparation**
- **Go-Live & Support**



Functional Benefits

- Strategic Performance Alignment
- Business Insights & RT Intelligence
- Increased Reliability
- Reduced Operating Costs
- Sustainable Growth



Technology Benefits

- Leverages leading industry BI platforms
- Integrates with 3rd party applications
- Extensible Knowledge Model and Metadata model
- Rapid Implementation

“Eliminate Waste & Improve Value Proposition”

About Rolta

Rolta is a leading provider of innovative IT solutions for many vertical segments, including Utilities, Governments, Transportation, Process, Power, Banking and Insurance. These enterprise level solutions are built around Rolta's intellectual property and domain expertise to offer unique business intelligence for impactful insights for effective decision making. Rolta's solutions framework includes Geospatial Fusion™, a suite to integrate disparate spatial and business data; Rolta OneView™, a BI solution for operational excellence; and Rolta iPerspective™, a unique platform for SOA and "Cloud" enablement. Rolta's intellectual property repository contains cutting-edge software for mapping and earth sciences, providing the foundation for Defense and Homeland Security solutions including C4ISTAR information systems, Military Communications, Digital Soldier, and Vehicle Systems. Rolta is a multinational organization headquartered in India, which has executed projects in over 40 countries. Rolta has a countrywide infrastructure and international subsidiaries across the globe. Forbes Global ranked Rolta amongst the "Best 200 under a Billion" four times in six years. The Company is listed on the Bombay Stock Exchange and National Stock Exchange in cash and F&O segment, and forms part of various indices on BSE/NSE. The Company's GDRs are listed on the Main Board of London Stock Exchange and its FCCBs are listed on the Singapore Stock Exchange.

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