



# Leveraging Operational Intelligence to Improve Plant Reliability

Industry: Refineries

Location: USA

## Business Challenges

A global refinery Major was looking to leverage operational intelligence to improve plant reliability and minimize down-time. Due to a lack of cross functional visibility between various business functions responsible for their operations, maintenance and reliability some of their units within their plants would undergo costly unplanned failures. Additionally, their ageing plants would require periodic large scale planned shut-down and they needed an effective solution to manage their multi-million dollar shut-down turnaround projects with tight control of budgets and timelines.

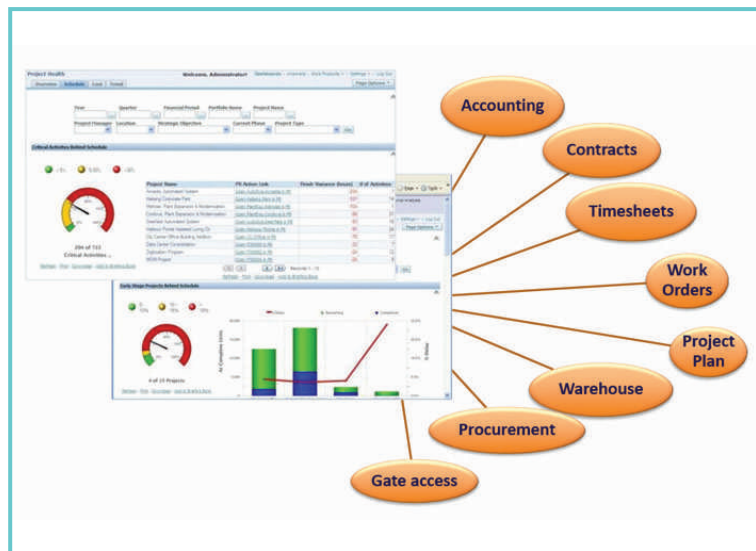
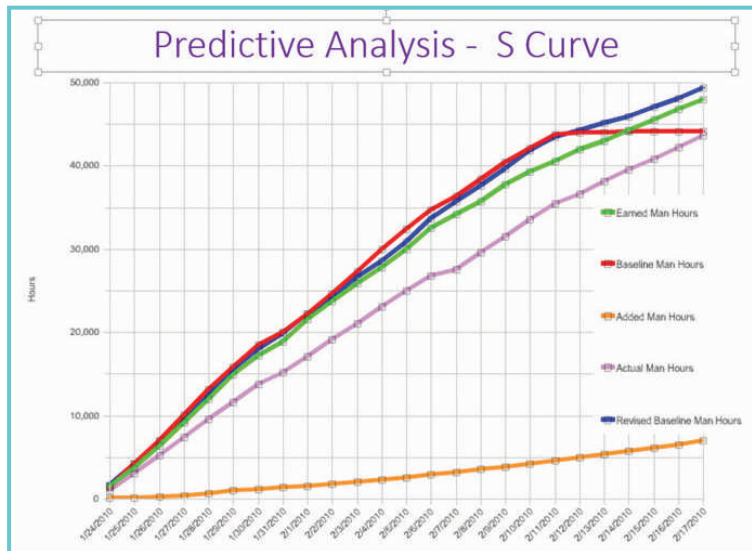
## The Solution

Rolta was tasked to provide them with a business intelligence solution with cross functional visibility. The solution was also deployed across 8 of their facilities worldwide covering North America, Europe and South Africa to enable them to view and compare performance across these facilities with a view to identify and leverage best practices.

## The Benefits

As a result of these deployments they reported several benefits:

- Their “Reliability Clock Reset” interval (which would be reset each time an unplanned failure occurred) went up from an average of 45 days to over 450 days after deployment at one of their facilities
- Cross functional visibility across business units nurtured an environment for Operational excellence
- Reduce significant costs from turnarounds
- Accurately forecast turnaround events within 2% of the final event value



## 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.