

# Procurement Analytics Driving Down Costs with Holistic View of Suppliers & Spend

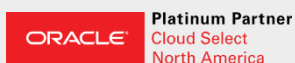
## Industries

- > Manufacturing
- > Product

## Key Benefits

- > Reduce global material costs by establishing a global information system bringing together all relevant commodity information
- > Improve component reuse from preferred suppliers
- > Reduce direct material and supply chain related costs
- > Identify recurring quality issues that originate from certain suppliers
- > Reduce time-to-market for new products
- > Faster insight into product/supply chain redundancies in acquired businesses

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## Solution Overview

Data discovery offers manufacturers a unique opportunity to produce a 360 degree view of their supply chain. Bringing together disjointed ERP and PLM systems can provide a complete view for inventory, suppliers, costing, and purchasing. This improved visibility can help procurement drive costs by identifying supplier quality issues and providing the holistic picture of supplier spending necessary to negotiate optimized purchasing agreements. Product managers and engineers can also drive down costs by identifying parts with the best prices and highest quality from regionally preferred suppliers.

Solutions built using Oracle's Big Data Discovery can deliver the holistic supply chain application required to deliver the transformative analysis tool needed for effective commodity management, supplier rationalization, and other strategic purchasing initiatives.

## Business Challenges

- > Limited visibility to vendor activity between regions leads to disjointed negotiations and sub optimized supply agreements
- > Disconnected PLM, ERP, and supply chain systems due to acquisitions and international operations
- > Multiple organizations maintaining vendor and item master data differently leads to inconsistencies in data maintenance and control

## Potential Data Sources

- > ERP Systems
- > Claims Data
- > PLM Systems
- > Part Catalog
- > Item Master
- > Cost Data
- > Purchasing Agreements
- > Supplier Masters

## Key Features

- > Smart, automatic data profiling
- > Built-in transformation capabilities
- > Modern visualizations
- > Fully integrated with the most robust Hadoop distributions on the market
- > Explore and profile all datasets in the Hadoop data lake

## Key Benefits

- > Allow analysts to fail fast in their data analysis pursuits
- > Transform and enrich massive datasets quickly
- > Spend time & resources on analytics and insight instead of data prep
- > Include business analysts on the team to help drive collaborative discovery
- > Process data in place in Hadoop, substantially reducing data movement and management costs

## Other Alithya Services

Extend your environment with Alithya's additional services:

- > Advisory services help define the priority key metrics and supporting data to include in the solution
- > Custom training provides users with knowledge needed to use the tools
- > Add additional metrics and data to extend the solution
- > Managed Cloud helps to reduce IT costs and resources needed

## About Big Data Discovery (BDD)

Oracle's answer to demystifying the modern data lake, Oracle Big Data Discovery (BDD) harnesses the distributed computing and storage power of Hadoop and adds an interactive layer through which users can easily explore all of their data. Oracle BDD wraps data analysis, transformation, and discovery tools together into a single user interface, and it comes with advanced features such as smart, automatic data profiling, built-in transformation capabilities, modern visualizations, and solid integration with Hadoop.

Big Data Discovery provides business users the ability to understand insights in their data by providing visibility into these critical data sources, uniting these sources and providing the user the ability to understand correlations in the data. By providing further insight into this data, companies can make better informed decisions, improve their business processes and transform their business.

Alithya is especially equipped to help customers prove out potential use cases of BDD as well as architect and build out implementations of the product. We can work with you on all aspects of implementing BDD from proof of concepts, planning to full life-cycle implementations.

Oracle Big Data Discovery (BDD) helps organizations quickly explore all relevant data

- > Combine structured and unstructured data from disparate systems
- > Automatically organize information for transformation, search, discovery & analysis
- > Rapidly assemble and share easy to use analysis projects that anyone can use
- > Connect to all your data including unstructured and non-normalized data from your Hadoop infrastructure
- > Provides interactive analytics with in-memory enabled performance

## Advantages of Big Data Discovery

- > Find insights in your data as never before by putting the power of analytics into the business users' hands
- > Find answers to questions that your business has not been able to answer
- > Quickly combine data without having to go through costly normalization when building data warehouses
- > Complete Enterprise solution that is integrated with Hadoop to leverage your IT investment and provide a solution that can be managed centrally

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