

Applying analytics to compliance programs

Get your data to work for you

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Today's presenter





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Joseph Coniker is a Principal and national practice leader for Business Analytics at Grant Thornton LLP. Coniker has over 20 years of professional experience, including 15 years focused on Oracle, Siebel and Hyperion based technologies. Projects that Coniker influenced have resulted in more than \$1 billion in working capital improvements.

Coniker is a member of the AICPA, and Oracle Customer Advisory Council. He is a published author on data analytics matters, and frequent speaker at regional and national events, including Oracle Open World, and guest speaker at the doctoral program on technology and warehousing at Robert Morris University, and finance programs at the University of Richmond.

His current focus leverages prior experience, and big data information discovery processes, to enable executive teams to quickly discover insight using their data. Coniker is taking a new approach to business intelligence so that broad and relevant analytics can be delivered when it is most needed.

Education:

- Harvard Business School-General Management Program
- NYU Stern School of Business - Magna Cum Laude

Areas of Expertise:

- Business strategy definition
- Merger and acquisition
- Working capital optimization
- Profitability improvement
- Information Discovery and Big Data
- Data governance
- Data visualization
- Data management and business analytics
- Program management setup and delivery

Topics

- Perspective on big data and analytics
- Pharmaceutical analytics and use cases
- Framework to initiate

Two topics infiltrating the airwaves



Our perspective, focused compliance and pharmaceutical analytics

Pharmaceutical Analytics

Functional Areas

Functional area	Analytics
Research and discovery	Target/biomarker identificationPortfolio optimization
Clinical development	 Resource allocation Trial planning and efficiency Clinical trial design
Manufacturing and supply chain	Supplier complianceInventory managementDemand planning and forecasting
Sales and marketing	Managed markets analyticsCustomer segmentationSales force effectiveness
Compliance	 Compliance and fraud detection Foreign corrupt practices act (FCPA Open payments – Physicians Payments Sunshine Act

Pharmaceutical Analytics

Use Cases

Enterprise Analytics

1mil clinical research org

Big Data Discovery 20bil global pharma company

How we think:
Two ways to go...



Do what you're doing better

OR



Go beyond what you're doing

How you experience



Dashboard

Reports



Interactive visualizations



Search capabilities



Mobile



- Integrate multiple sources of information
- Exploration of summary to detail
- Foundation to build an analytical platform
- Profile vast stores of disparate data
- Identify patterns and draw correlation across structured and unstructured data
- Deliver model for predictive and prescriptive

Enterprise Analytics

Resource Allocation

1. Changes to backlog

Significant New Awards and Change Orders Added to Backlog During Month:

• Company A – Comprised of 2 phase III Alzheimer's study change orders, \$23.9M, a phase III Tuberculosis change order, \$1.6M, and a phase III MIND program new award, \$2M; expected start 3Q14.

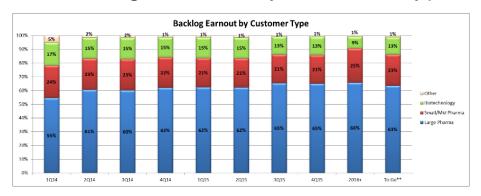
Significant Upscopes and Downscopes to Awards Added to Backlog During Month:

• Company B – Phase II Age-Related Macular Degeneration study, part A/B; increase in work order values from original award..

Significant Cancellations and Risks Added to Backlog During Month:

 Company C – Backlog risked out due to redistribution of country site selection across the CNS Diabetic Neuropathic Pain and Fibromyalgia programs.

2. Backlog earn out by customer type



3. Revenue roll forward based on backlog



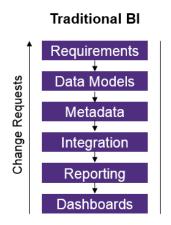
Big Data Discovery

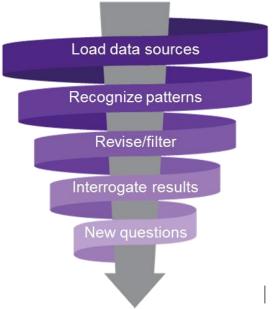
Compliance and Fraud

What we don't have to do...

- Typical requirements gathering
- Mock up reports on paper
- Scrub the data
- Perform hardware analysis

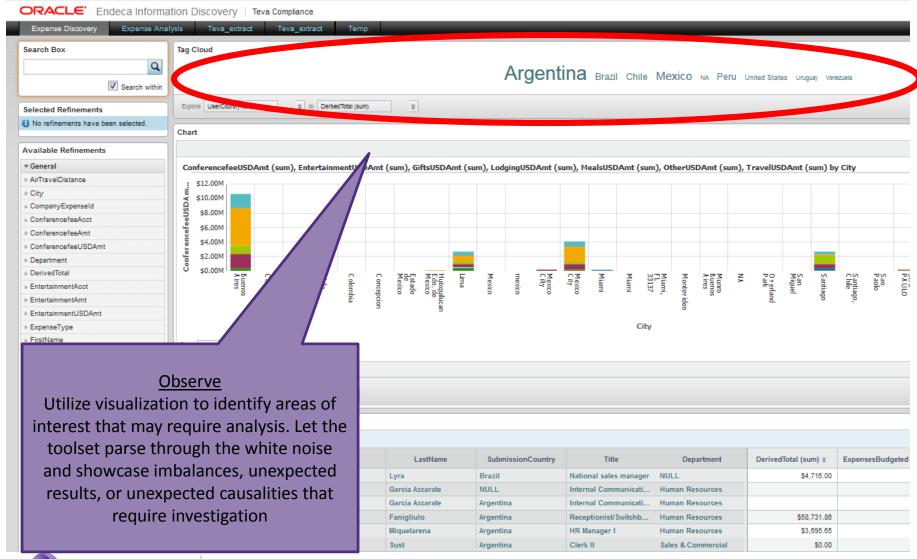
New paradigm to analytics





Big Data Discovery

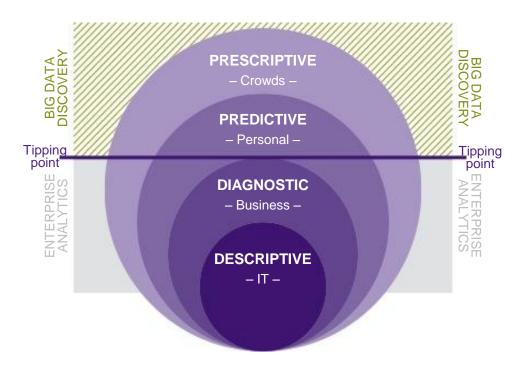
Compliance and Fraud



Grant Thornton An instinct for growth

Framework

Analytics maturity model



Big Data Discovery

- integrate vast stores of disparate structured and unstructured information
- provide a capability to identify and profile patterns to quickly draw correlations
- deliver advanced analytic applicationbased solutions without requiring a fixed data model

Enterprise Analytics

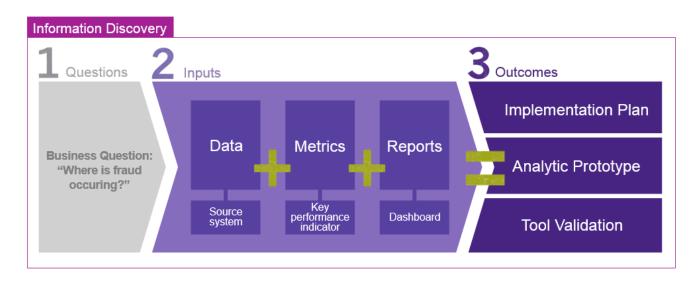
- integrate multiple sources of structured transactional data
- provide robust reporting with summary and detailed with drill-down capability
- provide the foundation to expand the analytic platform

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An instinct for growth

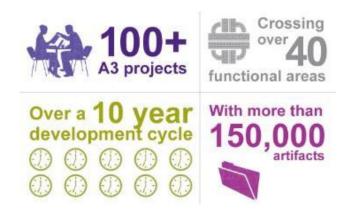
Framework Initiation and Roadmap

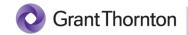




Our approach starts with your data...

and results in a faster to deploy and better model (data, allocation ...)





Big enough to deliver strong value

Small enough to provide great service

