



Foundations of an Intelligent Enterprise

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Knowledge is Power

Time is Money (\$)

Power = <u>Work</u> Time

Knowledge = <u>Work</u> Money

Lesson: The more you Know, the more Work you Do, and the less Money you make





"...70% of our people's time is spent looking for information and only 30% in making intelligent decisions.

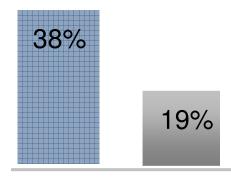
We want to flip the ratio providing 70% of time for intelligent, analytical decision making and only 30% administrative work..."



Organizations are operating with blind spots

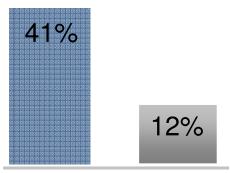
1 in 3 business leaders frequently make critical decisions without the information they need

Ability to predict



53% don't have access to the information across their organization needed to do their jobs

Ability to understand risk



Source: IBV Business Analytics and Optimization Study, March 2009



Volume, Variety and Velocity



Compounding the Problem ...or Creating New Possibilities?

Volume of Digital Data

- 57% CAGR digital data growth
 - Sensors, RFID, GPS..

Variety of Information

- 80% of new data growth is unstructured content
 - Emails, images, audio, video..

Velocity of Decision Making

- Rapidly changing business climate
- Need to get ahead of the curve : predict issues and fix them



What if you could?





Smarter Food Track food to the table



Smarter Healthcare Improve patient diagnosis



Smarter Public Safety Identify criminal activity early



Smarter Financial Services Manage risk and cost

Real Examples of Organizations Leveraging



Matiq RFID tracking of poultry and meats from farm to stores



Geisinger Health System Integrate real-time clinical data to assist physicians



New York Police Department Apply crime patterns as its happening real-time

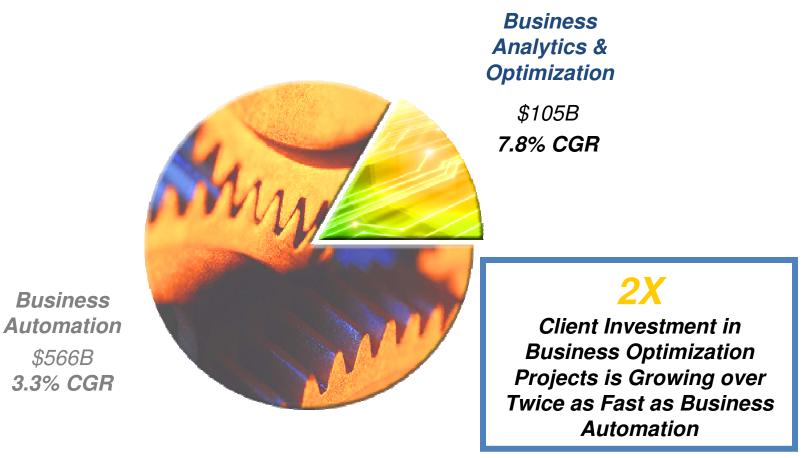


TD Bank Financial Group Use stream computing to act on real-time market data 21x faster



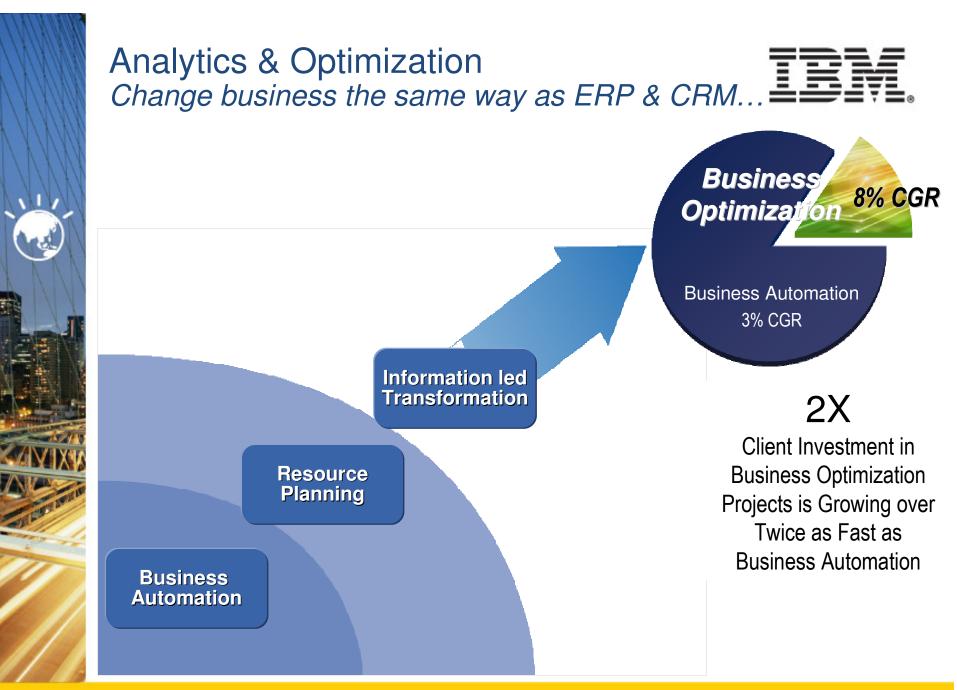
A Shift is Underway: Business Optimization is Driving New Investments

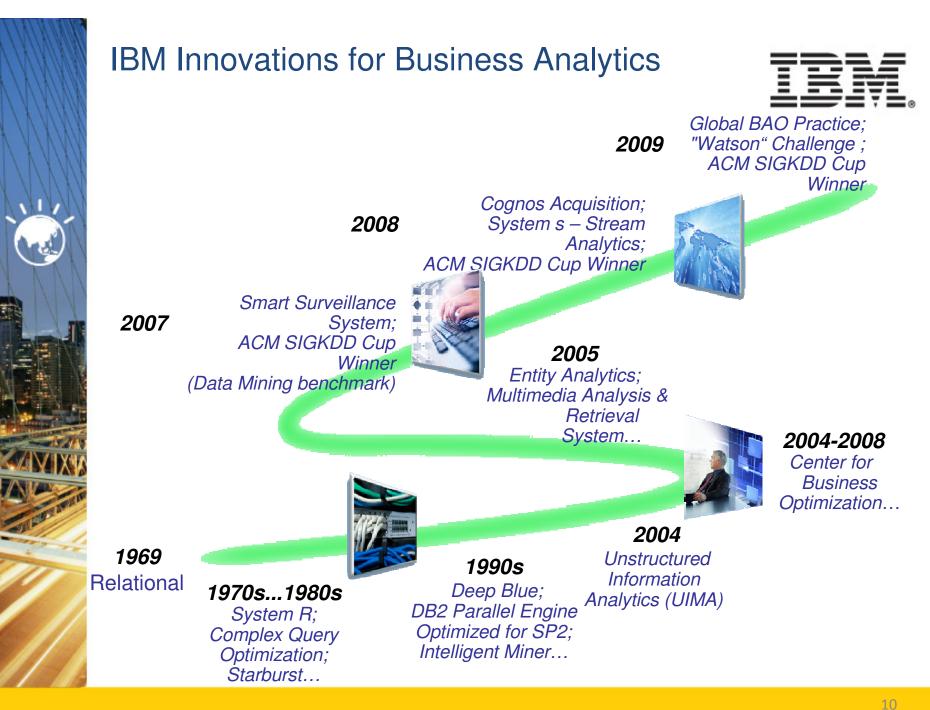




IT Spending Estimates, 2009*

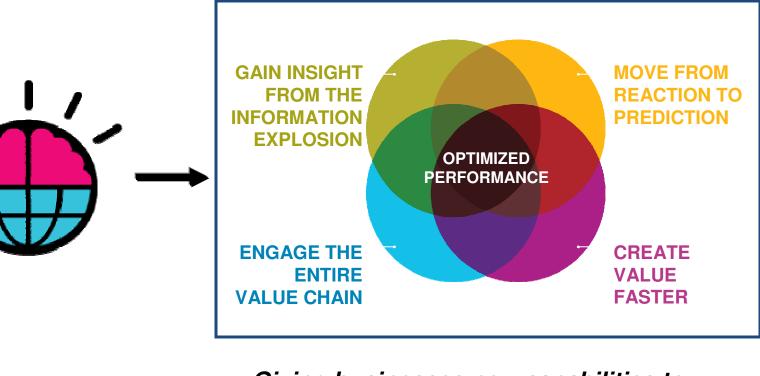
* Includes Hardware, Software and Services. Does not include Networking, Printer, or Standalone Printer or PC Markets. CGRs 2009–2012. Opportunity estimates based on analysis done by the IBM Market Intelligence Department. IBM Market Intelligence data is provided for illustrative purposes and is not intended to be a guarantee of market opportunity.





The shift towards optimization creates an opportunity to become a more intelligent enterprise

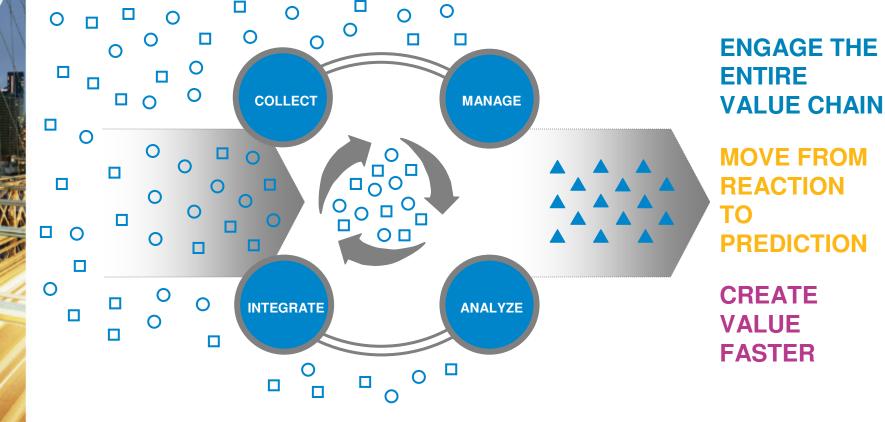




Giving businesses new capabilities to optimize their business



Gain Insight from the Information Explosion:



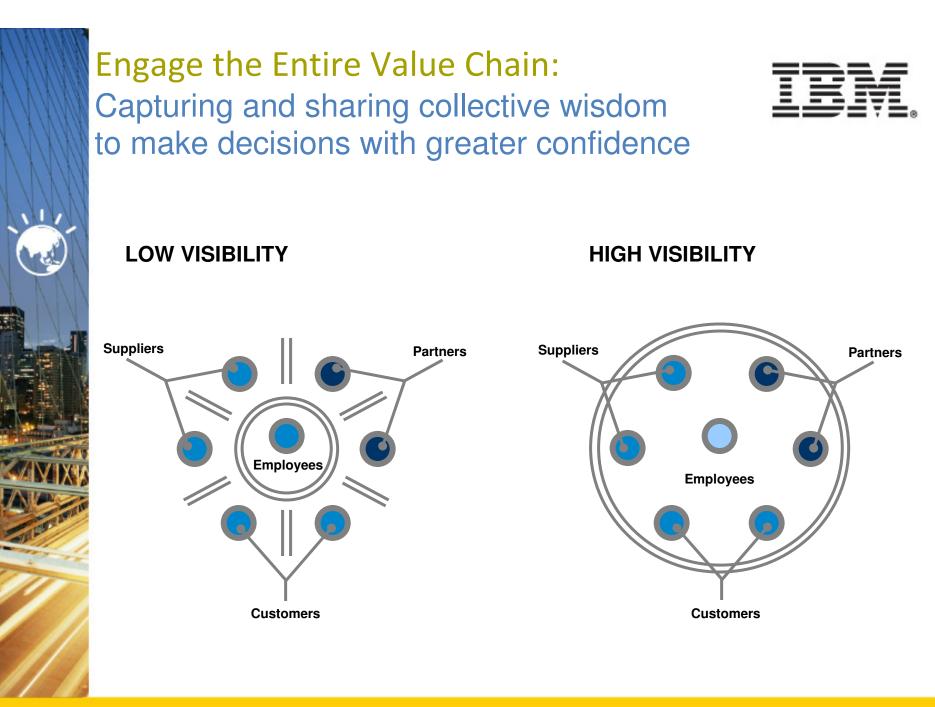


Trusted Information for Smarter Business Outcomes *Real-time, Predictive Analytics*



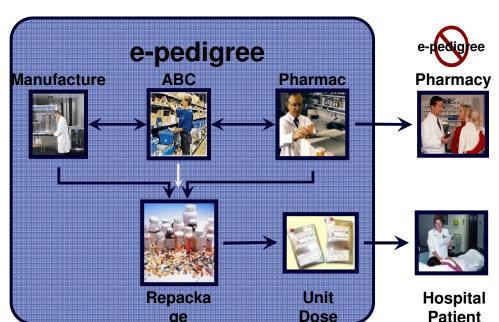
COMMERZBA	NK Solution Real-time I Withholding	ading Positions, Risk Analysis, Tax Optimization, Agility
Trusted Customer Information	Enterprise-wide Expansion	Advanced Analytics
Frusted Information	Information as an Asset	Real-time
Over 20	0 Core Systems; Mergers & Acquisit	

IBM Global Services is delivering the overall Information Agenda leveraging IBM Information Management Software



Managing the Pharmaceutical Supply Chain with ePedigree Track and Trace

- 70% of States in the US have pedigree legislation
- A certified record of the complete chain of custody
- Product Serialization
 - Source Information
 - Transaction Information
 - Ownership Information
 - Certification of
 Transaction Authenticity



AmerisourceBergen



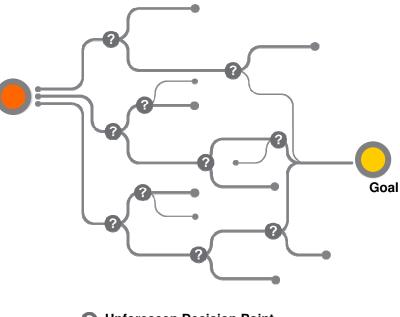


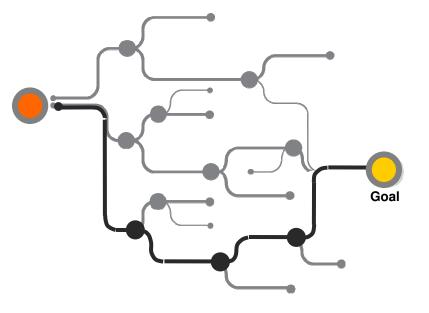




REACTION







Unforeseen Decision Point

Predicted Decision Point

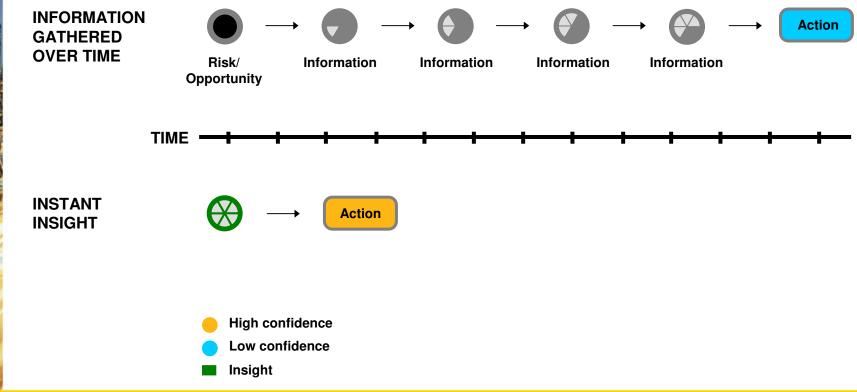


Create Value Faster:

Delivering trusted insight that gives



decision-makers the confidence to take action faster





Building a next generation trading platform with Stream Computing – TD Bank

IBM.

- Identify and execute trades
- Process over 5M events per second
- Handle content feeds, news text, audio, video, etc



CIO TD Bank "TD Bank Financial Group worked with IBM Research to develop a first-of-a-kind architecture capable of consuming, analyzing and acting on real-time market data while maintaining sub-millisecond response times even under extreme data loads"

Business Analytics and Optimization: What's required and What IBM's Delivering



- Insight on our clients and industry

 4,000+ professionals in GBS BAO Practice
- Foundational information software platform
 - *\$10B* investment in information management

• Mathematical and analytic skills of IBM Research

- 10 years of Research investment in services
- 300 Research mathematicians

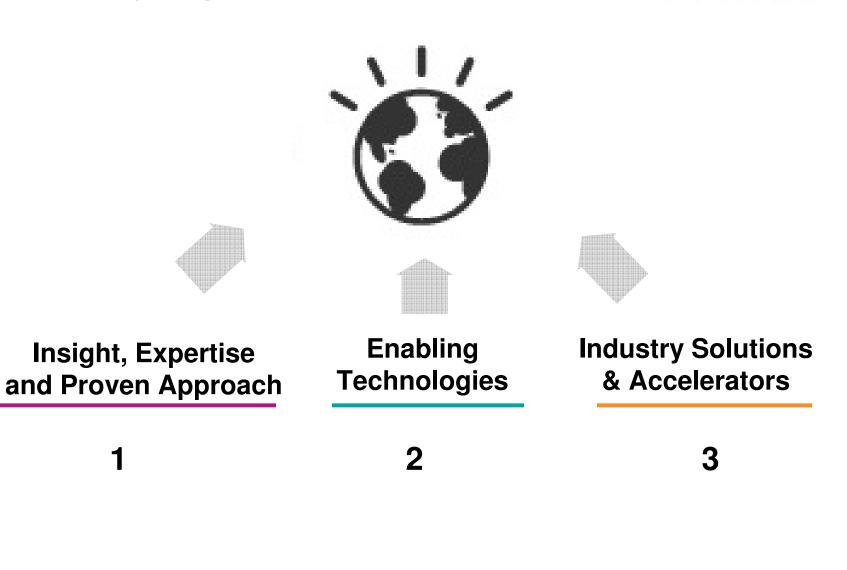
- High performance systems and hosting
 - *9 consecutive years* of leading the supercomputer list
- Market-validating client experiences:
 - Research and consulting first-of-akind projects – thousands of engagements
 - Center for Business Optimization creating scaleable assets with Research

Analytics Solution Centers New York, Washington D.C., London, Tokyo, Beijing, Berlin



How do you get Started?



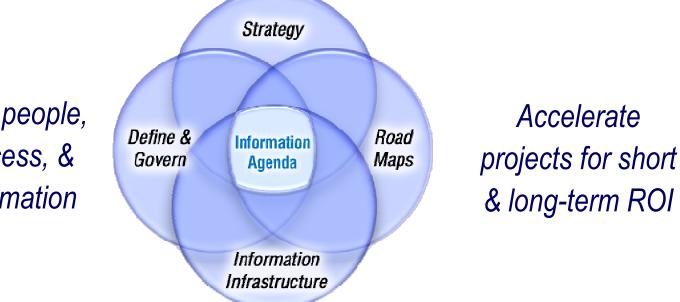




Proven Approach: Know-how to ensure success and reduce risk IBM can help you create an Information Agenda

Establish end-to-end vision & business-driven value

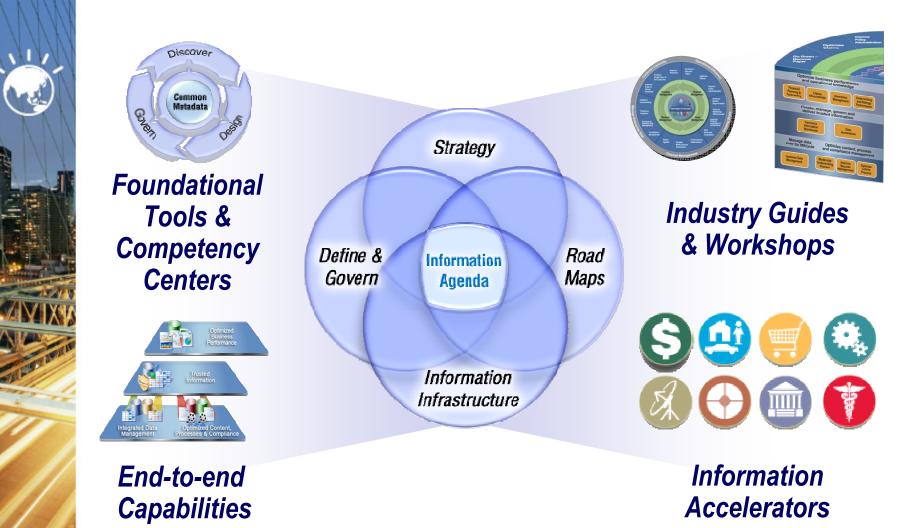
Align people, process, & information



Architect an extensible information infrastructure

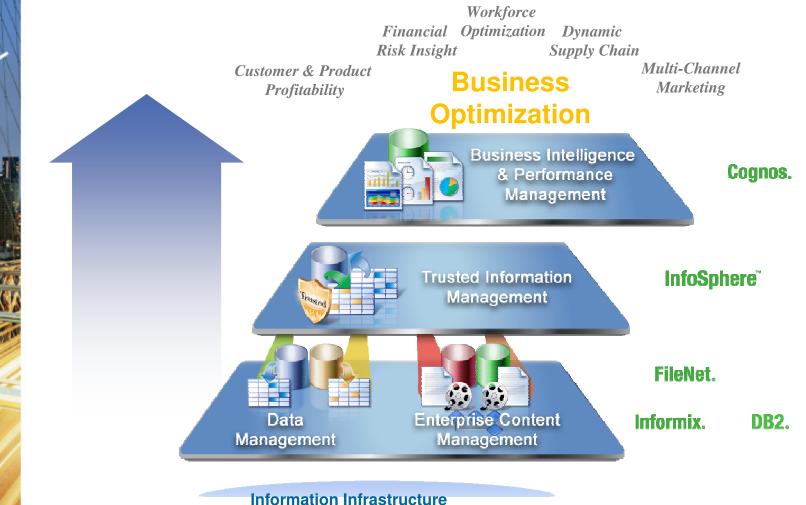
The Information Agenda is the foundation for an Information-led Transformation









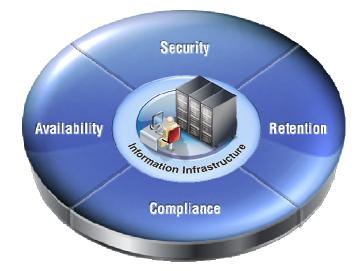


Investing in Information Infrastructure Solutions to securely manage and mitigate business risks



Keep information secure & protected

Keep information available & accessible



Reduce reputation risks and audit deficiencies

Retain & manage information more efficiently

Industry Solutions and Accelerators: Accelerate Time to Value using



Financial Services

- Risk Adjusted Profitability
- Branch Performance
- Retail Banking Customer Segment Performance
- Corporate Banking Customer Segment Performance...



Insurance

- Product Profitability
- Claims Submission
 Optimization
- Insurance Self Service
- Insurance Scorecard...



Retail

- Store Development
- Strategic Promotions
- Financial Merchandising
- Financial Workbench & Scorecard...





Industrial

- Sales & Operation Planning
- Allocations Optimization
- Risk Analysis
- Trade Promotion Management
- Asset Management...



Healthcare

- Enterprise Health Analytics
- Health Plan Industry Models
- Customer Care & Insight for Health Plans
- Risk, Fraud, & Compliance for Health Plans...



Telco

- Customer Service
- Customer Billing
- Compliance
- Simple Order...



Energy & Utilities

- Intelligent Utility Network
- Asset Plant Lifecycle Mgmt.
- Central Engineering
- Rate Case
- Aging Workforce
- Violations...



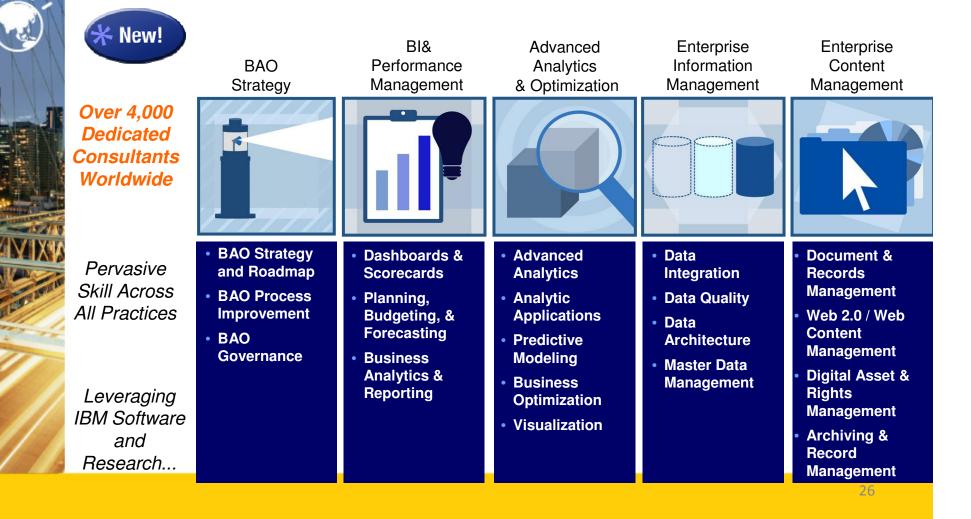
Government

- Crime Information
 Warehouse
- Case Management
- Municipal Performance
 Management
- Court Management
- Fraud Investigation ...

IBM Business Analytics & Optimization Consulting Services: Extensive industry experience accelerates client success



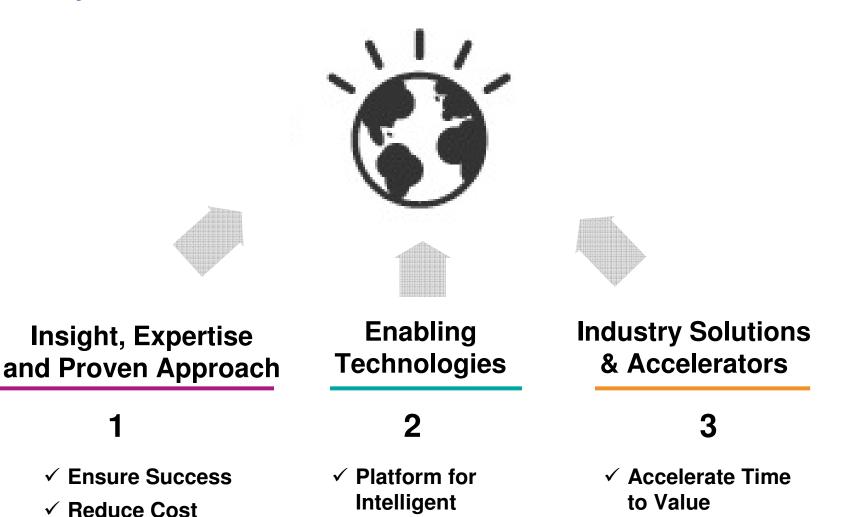
Dedicated to advanced business analytics & business optimization...





Start your Information-led Transformation Today





Decision Making

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We Believe We are on the Right Track Why IBM? ... IBM Leads Overall And In All Categories



Gartner.

"...the only vendor in the leadership quadrant: Business Intelligence Services, Data Quality, Data Integration, Customer Data Integration, Info Access..."



"...Since 2006, IBM has deliberately & doggedly constructed an unparalleled portfolio of software ...it's difficult to see how any competitors will be able to compete anytime soon..."



IBM has stayed maniacally focused on helping companies to build a "trusted information" layer. It adds technologies when they emerge as important differentiators.



Want to Hear More?



- Attend our Panel Discussion on New Intelligence tomorrow afternoon
- Request a meeting this week
- Learn more about New Intelligence and Business Analytics and Optimization at <u>www.ibm.com/think</u> and <u>www.ibm.com/gbs/bao</u>



Thank you