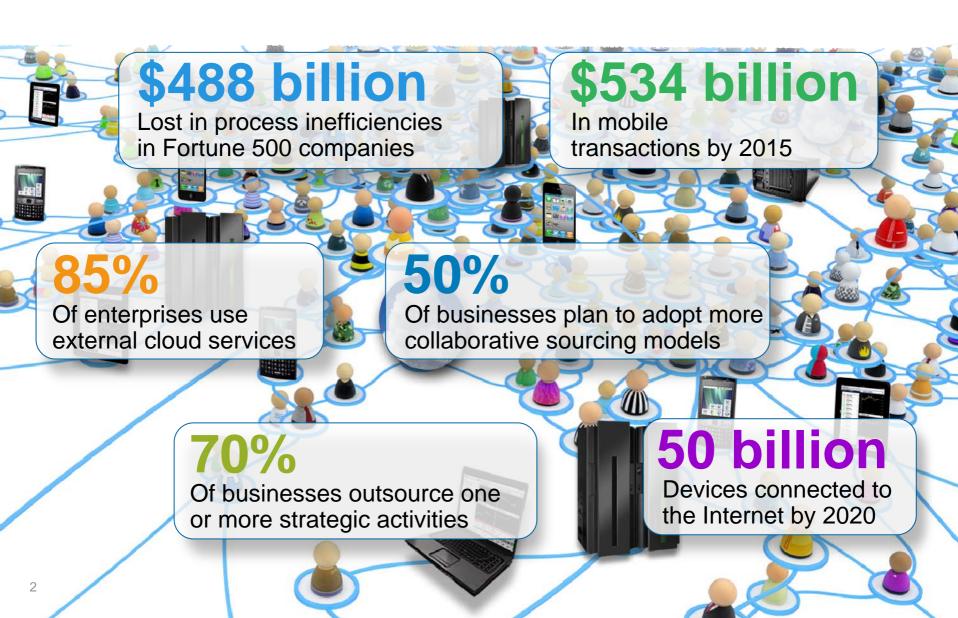


IBM Business Process Management Solutions for Manufacturing





The New Normal: Change, Complexity, Uncertainty





Can Your Processes Handle Change, Complexity, and Uncertainty?

Turn complexity into opportunity through: **Business Driven Change** End to End Process Visibility and Governance Optimized Processes and Decisions

Agile Processes and Decisions



What is *Business Process Management*?

Optimize processes for better business outcomes

Model and Simulate

 Align business strategy and IT execution

 Assess, capture, and analyze core value processes

> Software Expertise



- Automate business processes to improve efficiency and profitability
- Adapt and collaboratively respond to change

Visibility & Collaboration

Business User Engagement

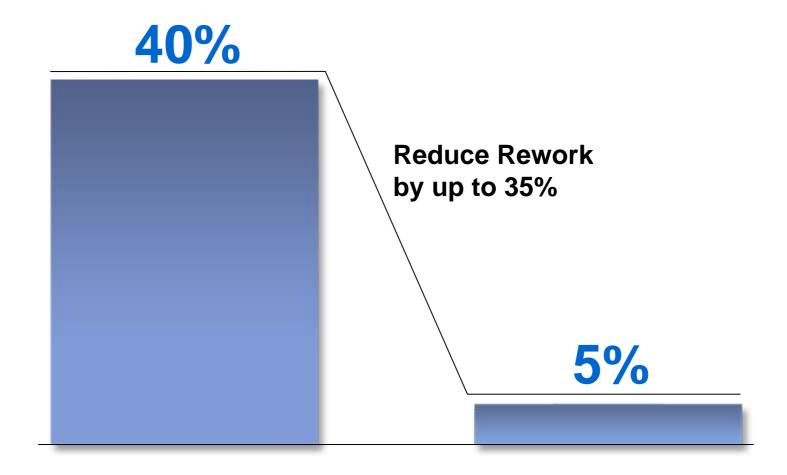
Efficiency & Productivity

Monitor, Analyze, Predict and Act

 Business users monitor business performance and define new alerts based on KPIs



Business Process Management Increases Productivity to Improve Profit Per Employee



BPM is about dramatically increasing productivity of your employees

Asian Toymaker Streamlines Supply Chain Transactions

Challenges

- Processing Inefficiency. Difficulty coordinating procurement, customer requirements and logistics for getting products to the US.
- Multiple Systems of Record. Difficulty managing the trail of paperwork.
- Time Consuming Vendor Inquiries. The process of flagging exceptions such as delivery days required significant time and resources.

Results

- Tracking the supply chain from order-to-shipment reduced customer delays
- 135% increase in transaction volume without adding additional resources
- Over 80% of vendor inquiries flow without human interaction

"Many suppliers and logistics providers now manage all their interactions through the Internet, which has improved fulfillment cycles, cut costs, and improved service. SAP was utilized as a transactional engine - we needed to be able to manage the business process that surrounds the transaction."

David Adams, Business Integration Manager



Large PC Manufacturer Minimizes Distressed Shipments

Challenges

- Increased Production Costs and High Inventory Levels. Shipments deemed undeliverable were returned.
- Unmanaged Process. Real-time shipment status was unavailable or out-of-date, limiting control of the situation.
- Lack of Monitoring. No up-to-date reports that show how the processes were being executed.

Results

- Enabled collaboration between the customer, call center and shipper.
- Percentage of shipments rescued improved from below 5% to nearly 70%
- Savings of \$2M per quarter

One of the world's top suppliers of PCs, ships over 140,000 systems per day and have nearly 2 billion interactions with customers every year.



Motor Company Increases Engineering Productivity

Challenges

- Unproductive Work. High-value engineering employees spent 70% of their time doing administrative tasks and not engineering activities.
- Process Inefficiencies. Too many "workarounds" led to duplication of work and slowing down the process.
- SLA Violations. Confusion, inflexibility, and lack of data in their process steps caused deadlines to be missed.

Results

- Cut "engineering" time of designers on car systems by 20% in one year
- Enhanced productivity through standardized process across vehicle lines
- 60% reuse across first two projects

This company is one of the world's largest manufacturers of cars and trucks.

"BPM provides a layer of process to optimize the interaction between people, process and information"

David Knapp, Director of Business Process Management



Order Management



Situation

- Order complexity: hard to ensure feasibility of configured vehicles
- Demands for customization: difficult or impossible to handle brand specificities
- Multiple brand management: 3 different systems to maintain

Goals

- Build flexible order management system capable of handling 500 manufacturing constraints
- System needs to meet requirements not addressed by existing solutions
- Improve customer service with order feasibility check & self service web portal

Solution

- OMS based on IBM Business Rules Management System
- Efficiently managing 18,000 rules per brand to calculate the manufacturing lead times
- 5 simulations per day (max 45 min), take into account late supplier deliveries, damage in production plant, etc.. And re-evaluate new priorities accordingly

Benefits

- Improved accuracy of car production lead time by 90%
- Users informed of potential delays in real time
- Efficient platform for sharing and exchanging data between sales & production
- Vehicle production can be adapted to demand



A sampling of IBM Business Process & Decision Management Clients in Manufacturing

























DAIMLERCHRYSLER

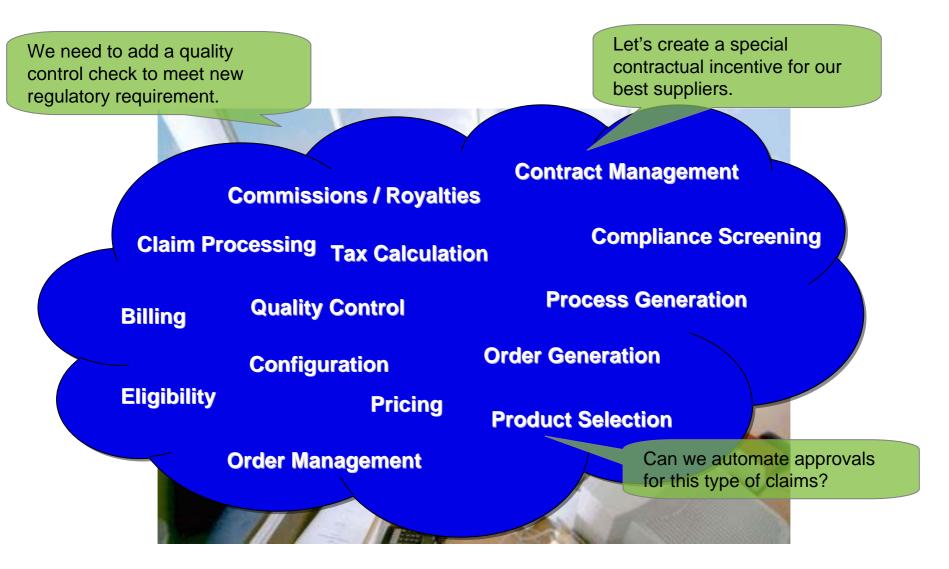






Business Processes and Decisions are everywhere...

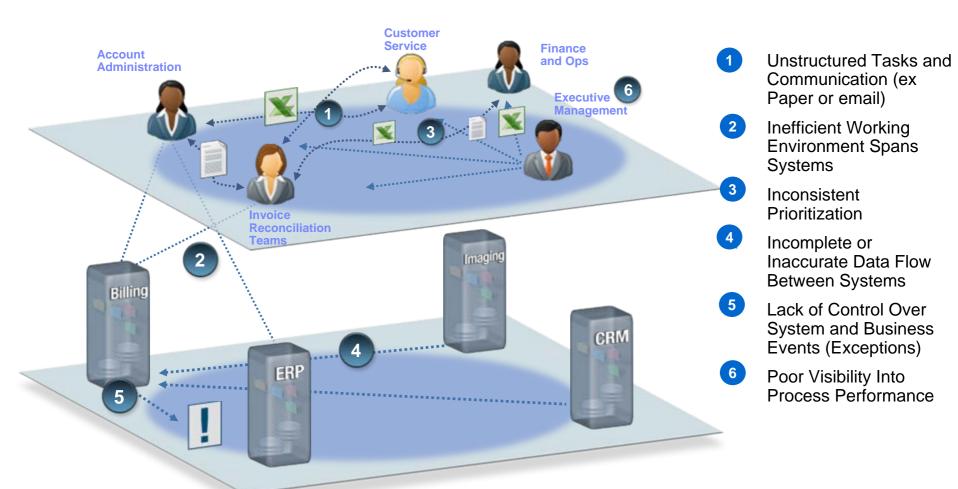




changing frequently & under scrutiny

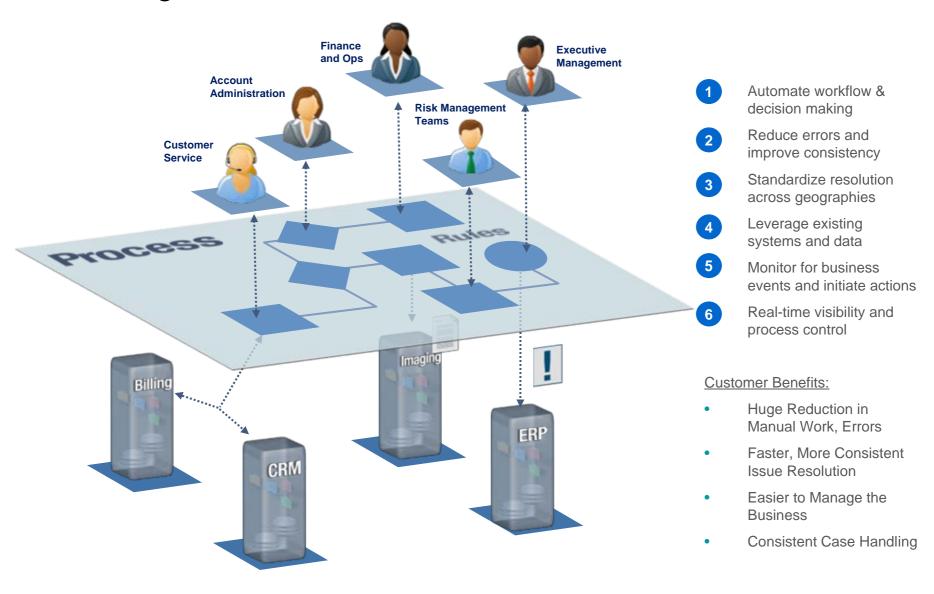
Typical process problems





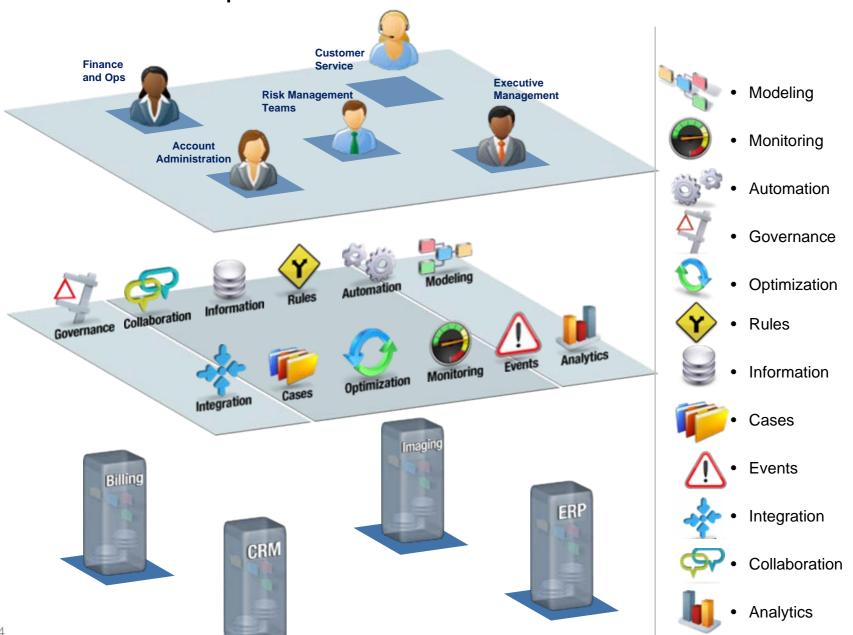
BPM brings order to the chaos





The essential capabilities





Guiding Principles for IBM BPM Portfolio Evolution



Works Together

- Tight integration across core technologies
- Interoperability with complementary technologies

Works the Same

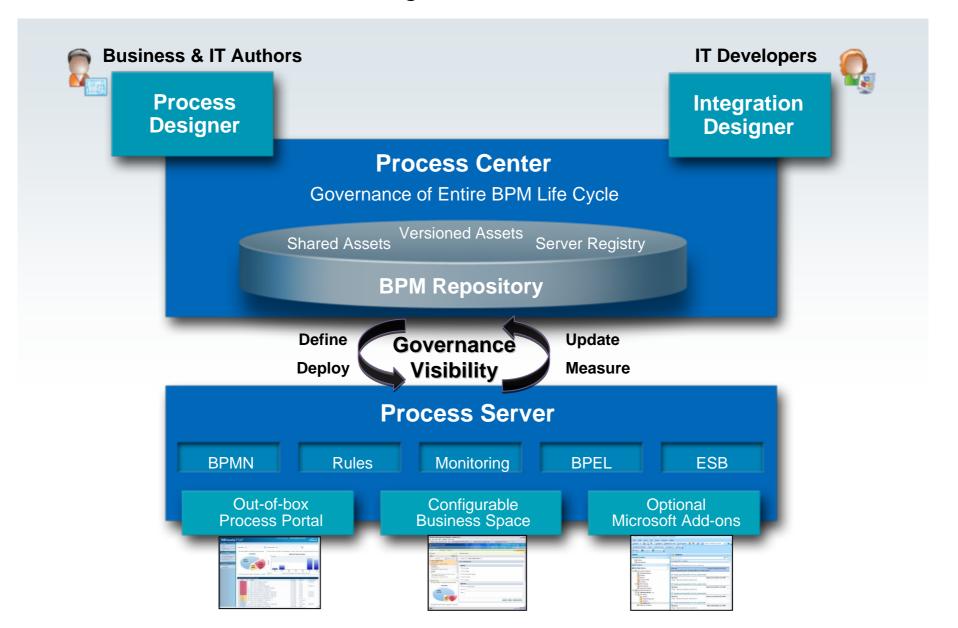
- Common look and feel
- Enables easy skills transfer

Works Reliably

- Secure and safe infrastructure
- Easily scalable



IBM Business Process Manager V7.5





Ensure success with a proven approach for adopting Business Process and Decision Management



		Project		Program	Transformation
Technology	Visibility	Rapid time to value	Simplicity to engage business users	Governance	Power to scale as business requires
Expertise	Training	Turnkey Services	Solution Mentoring	On-Demand Consulting Assistance	
				Establish a	Transform across the enterprise
				Program	•
ges	Identify Bus		Succeed with an Initial Project	Program Increase skills Establish CoE	 Infuse a culture of process across the organization
Maturity Challenges	Identify Bus Challenge &	k Value		Increase skills	 Infuse a culture of process across the organization

Realize fast value, foster BPM adoption and create transformational impact

IBM

IBM is the proven leader in all aspects of BPM

Largest BPM Customer Base

 #1 in Market Share according to independent analysts Gartner Group and IDC

• 5,000 + clients

Strongest Ecosystem

- 1000+ business partners
- Global Users group



Unparalleled expertise and level of investment

- Over 15 years of industry leadership
- 100's of assets
- Broadest, Deepest solution portfolio & services

Broadest and Most Differentiated Capabilities

- Simplicity for fast deployment and full business user participation
- Centralized governance for repeatability and consistency
- Visibility and Control to continuously improve business operations
- Power through High Scalability, Integrity & Quality of Service
- Market Leading decision and rules capabilities
- Best in class exceptions handling and case management



Think big Start small Scale fast

"Complexity should not be viewed as a burden to be avoided; we see it as a catalyst and an accelerator to create innovation and new ways of delivering value."

Juan Ramon Alaix, President, Pfizer Animal Health

