



Innovation is about taking deep insight to create new value – for business and society.



Innovation resides at the intersection of invention and insight, leading to the creation of social and economic value.

National Innovation Initiative

Innovation is required as the world needs to get a whole lot smarter.







By 2010, 30 billion RFID tags will be embedded into our world and across entire ecosystems

An estimated 2 billion people will be on the Web by 2011 and a trillion connected objects – cars, appliances, camera, roadways, pipelines – comprising the "Internet of Things"

Every day, 15 petabytes of new information are being generated. This is 8x more than the information in all U.S. libraries









A smarter planet will require a significant investment in software and systems.

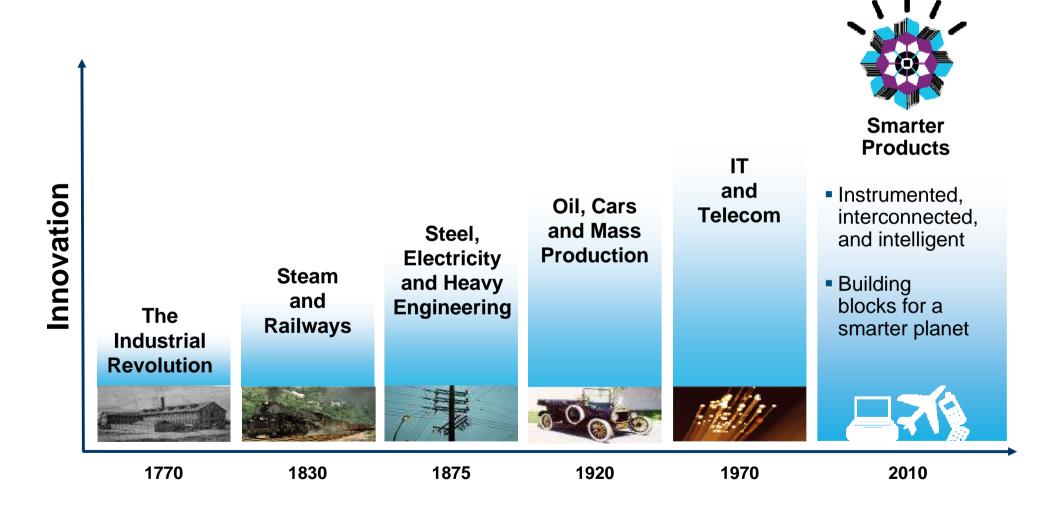
- Imagine the amount of software necessary to:
 - Leverage a wealth of information to make more intelligent choices
 - Take action on energy, the environment and sustainability to deliver a greener world
 - Manage an interconnected infrastructure with billions of devices
- Success in building a smarter planet is highly dependent on our ability to manage effective software and systems delivery



Let's build a smarter planet



We are on the verge of a new wave of innovation...





...where software becomes even more crucial for product innovation and differentiation.

Electronics Automotive Aerospace and Defense

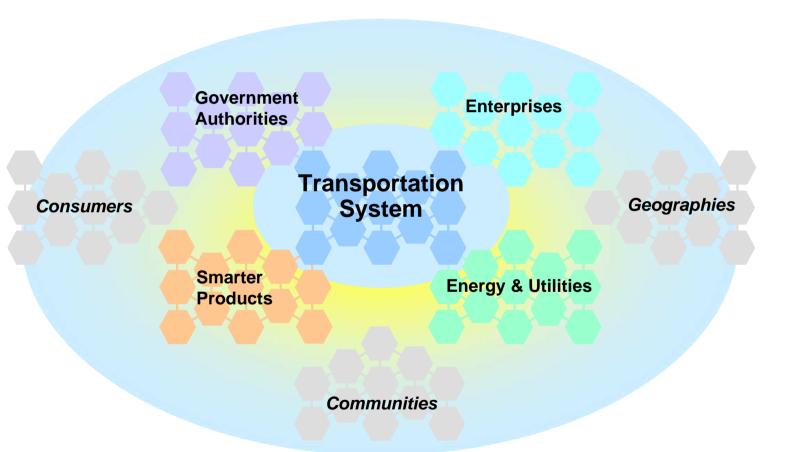
- Apple's iPhone is completely instrumented, with GPS positioning software that helps the device know where you are
- 90% of innovation is based on electric and electronic systems
- 80% of this innovation is based on embedded software
- F-22 Raptor (2003) contains
 1.7 million lines of code
- F-35 Lightning II will have5.7 million lines of code

Key benefits

- Create new opportunities
- ✓ Increase revenue / profit
- Enhance customer loyalty
- ✓ Faster time-to-market



And where smarter products will combine into larger ecosystems enabling new business opportunities.











However, challenges to effective software delivery remain and expand

Individual Challenges

- Lack of standards impacts ability to collaborate, automate and report
- Frequent asset updates and complex dependencies

Team Challenges

- Geographically dispersed teams
- Effective crossorganizational visibility and synchronization

Organizational Challenges

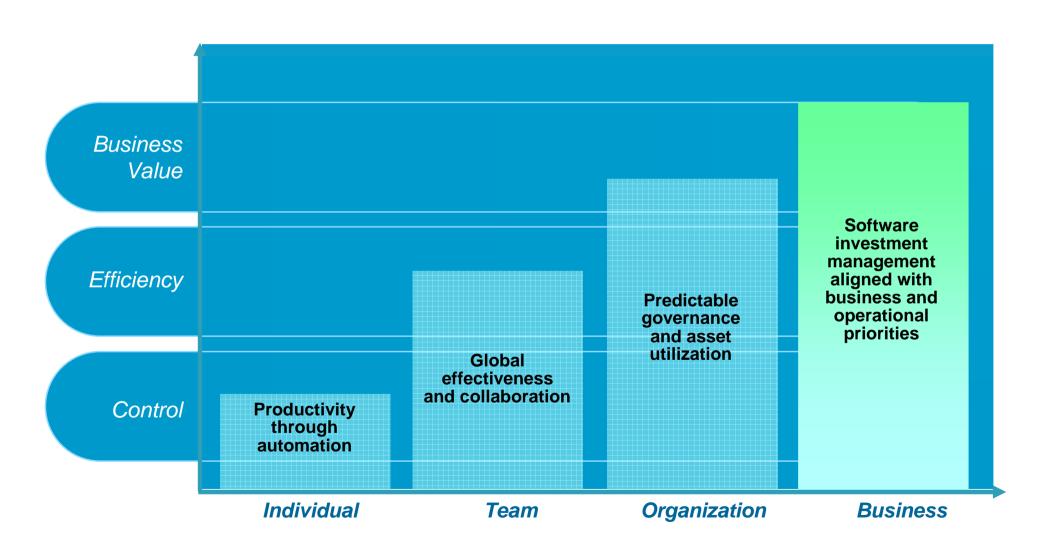
- Greater need for market experimentation
- Blind adherence to process insensitive to potential business trade-offs
- Need for agility@scale

Business Challenges

- More granular service functionality and composite applications
- Growing number of assets including custom, outsourced and packaged

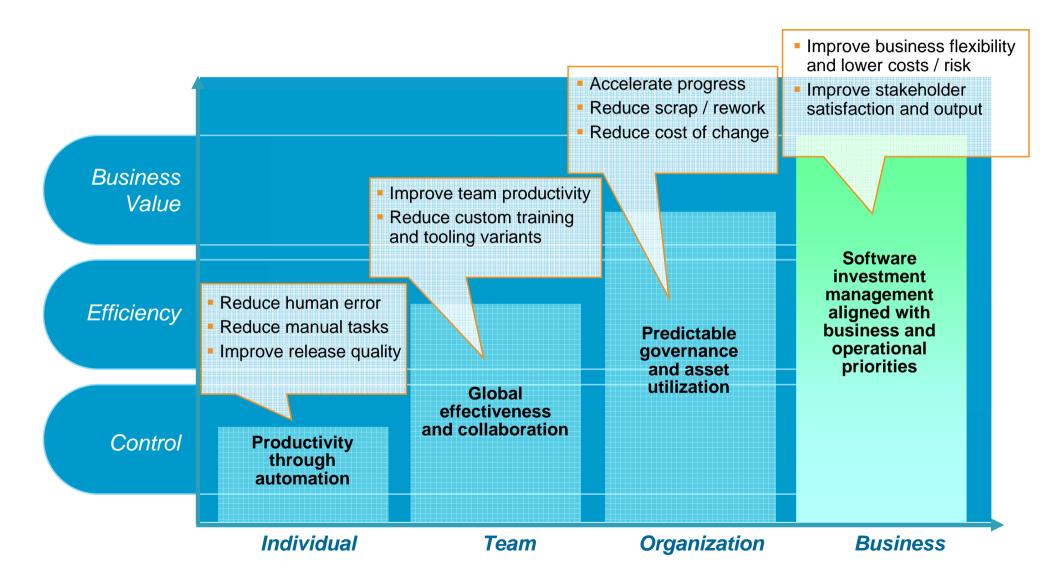


Requires a maturing approach to software delivery based on measurement





Realized by continuous improvement on business objectives



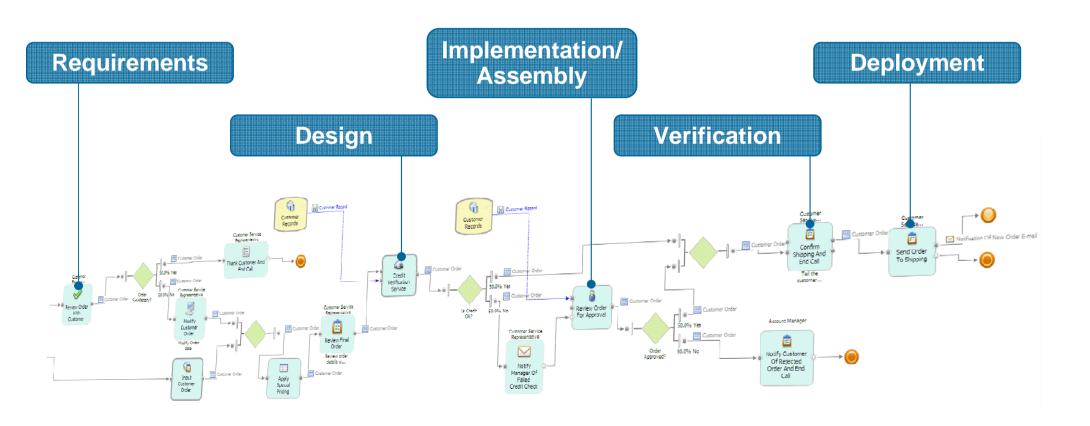


Invest to manage risks and optimize measured outcomes





Successful businesses will manage software delivery as a robust business process, ...





...and will adopt a platform that enables iterative improvement



Collaborate

Achieve common goals by optimizing how people work

Automate

Increase control and efficiency by integrating workflows

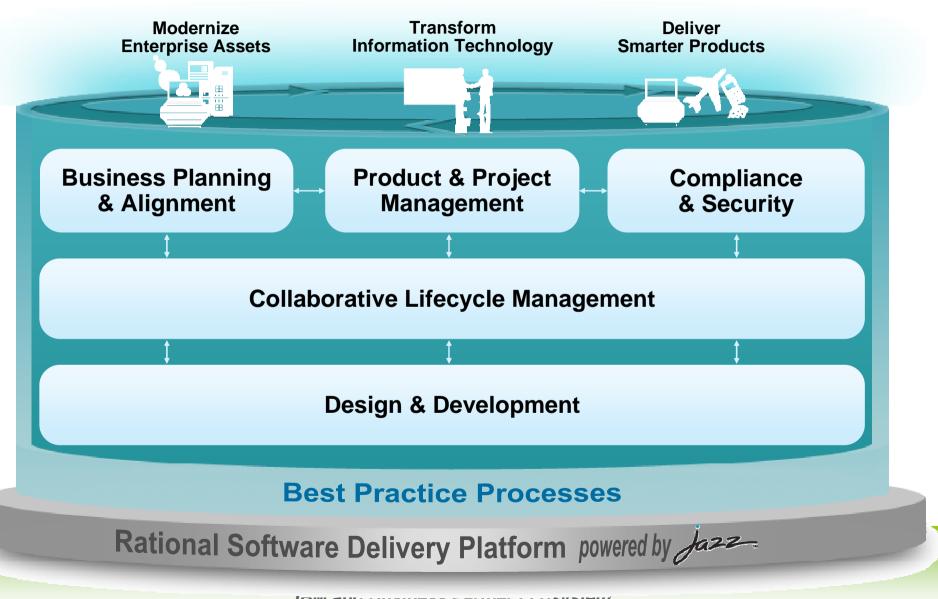
Report

Continuously improve by measuring progress in real time

Repeatable activities producing a desired business outcome

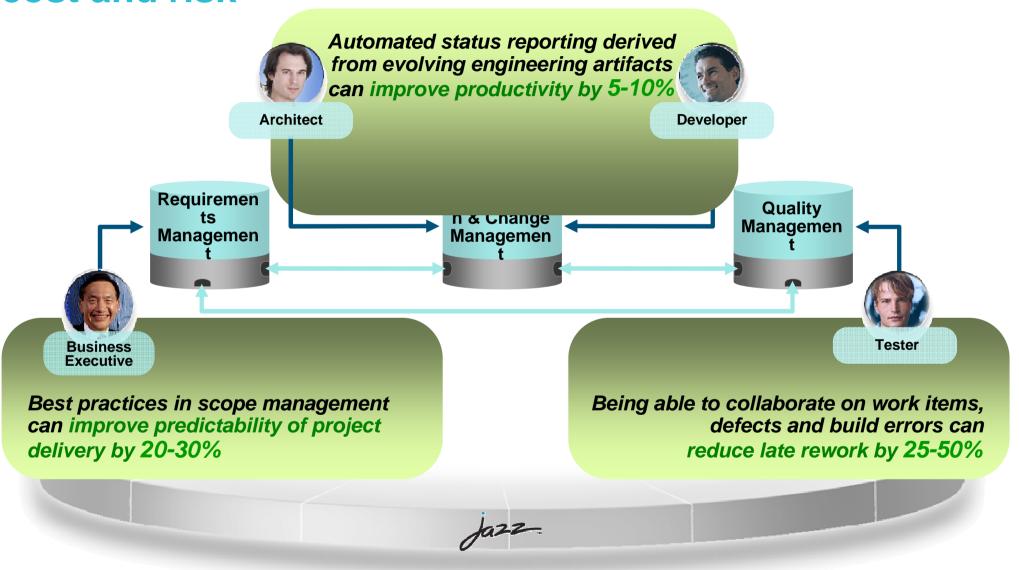


Rational offers a complete Software Delivery Platform





Optimizing desired business outcomes with reduced cost and risk



Source: Based on hundreds of client interactions of the IBM Rational Services Organization, as observed by VP Services, IBM Rational



We've only just begun to uncover what is possible on a smarter planet.

The world will continue to become smaller, flatter and smarter. We are moving into the age of the globally integrated and intelligent economy, society and planet.

The question is, will you be ready?

Rational experience demonstrates how to mature the business process of software delivery

- We offer an incremental improvement framework
- We deliver a real-time collaborative platform
- It's time to get real starting today!



Let's build a smarter planet



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