

IBM Software Group

# IBM Product Portfolio Management for PLM

Balance strategic and business objectives to meet market needs

Yoonjong Kim yoonjong@kr.ibm.com Rational PPM Specialist, IBM Korea





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- Trends in Product Development and Delivery
- The Challenges of Managing a diverse Product Portfolio
- Best Practices in Product Portfolio Management
- The IBM Solution







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#### Products are getting smarter every time we look

- One billion camera phones were sold in 2007, double that of 2006
- Uniquely customizable phone, e-mail, music, Web, camera, GPS, apps, video recorder, etc. in a single device
- In 1999 this would have been science fiction, yet productivity has skyrocketed as a result
- In 2010 it's yesterday's news!

What's possible by 2019?



- 5





## Competition and Customer Demand are Driving Changes In Product Development

#### **Aerospace and Defense**

 Need for cost reduction/ increased innovation is resulting in extensive design partnerships across legal, technology & security boundaries

#### **Automotive**

- 35% increased value of in-vehicle electronics & software by 2010
- 90% of innovation is based on electronics & embedded software



 Need for product differentiation is driving increasing amount of software into products

Changes are being driven across the entire supply chain - even to commodity parts that now require sophisticated software & electronics

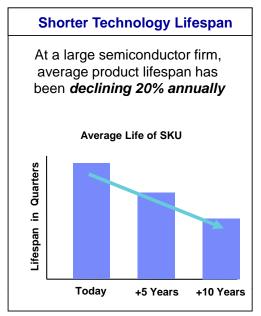


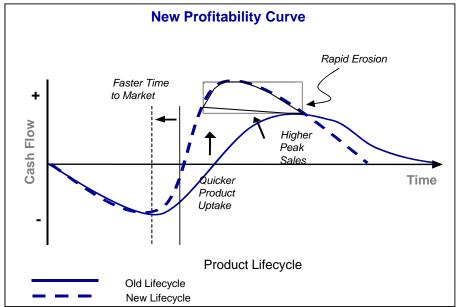




#### **Shorter Product Lifecycles**

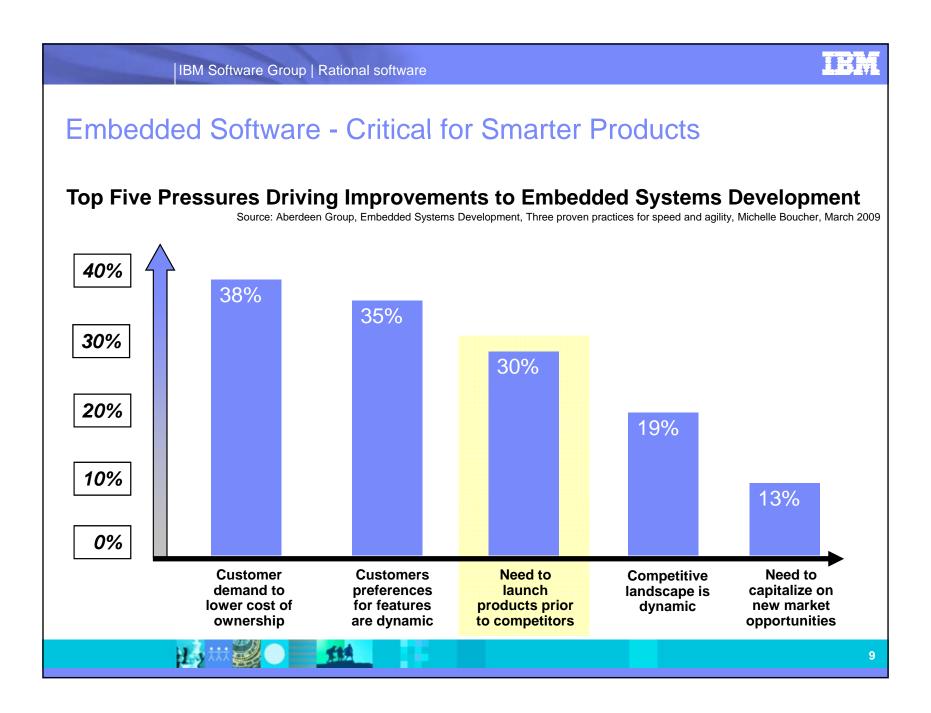
- Technological change & convergence drives increasingly shorter product lifecycles.
- Shrinking timeframe to re-coup market advantage from an innovation or IP advantage.
- Product uptake and sales peak occur earlier, and profits erode much sooner.







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The IBM Solution

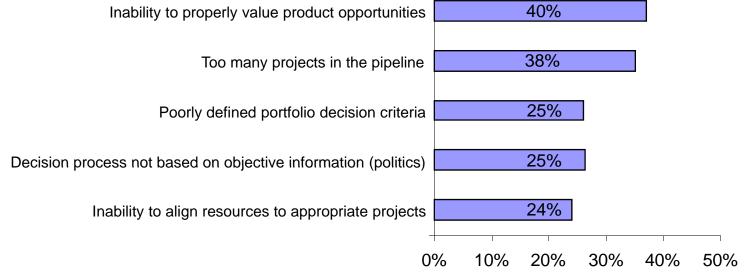


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#### Top Challenges of Improving Product Portfolio Management





Source: Aberdeen Group, August 2009

Politics and inertia still win the day, hard to grasp facts for value and properly align resources





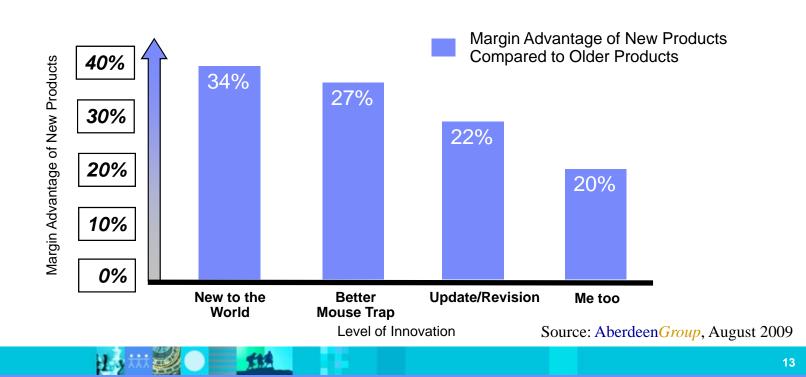






#### Innovation is a Necessity to Increase Margins

- "On average companies enjoy a 20% margin advantage on their new products. However, while new products are critical, the level of innovation in new products also impacts profit margins."
- "...a product portfolio that contains more than 40% "new to the world" products enjoys a new product margin advantage that is 70% higher than a portfolio that is more than 40% "me-too" products."





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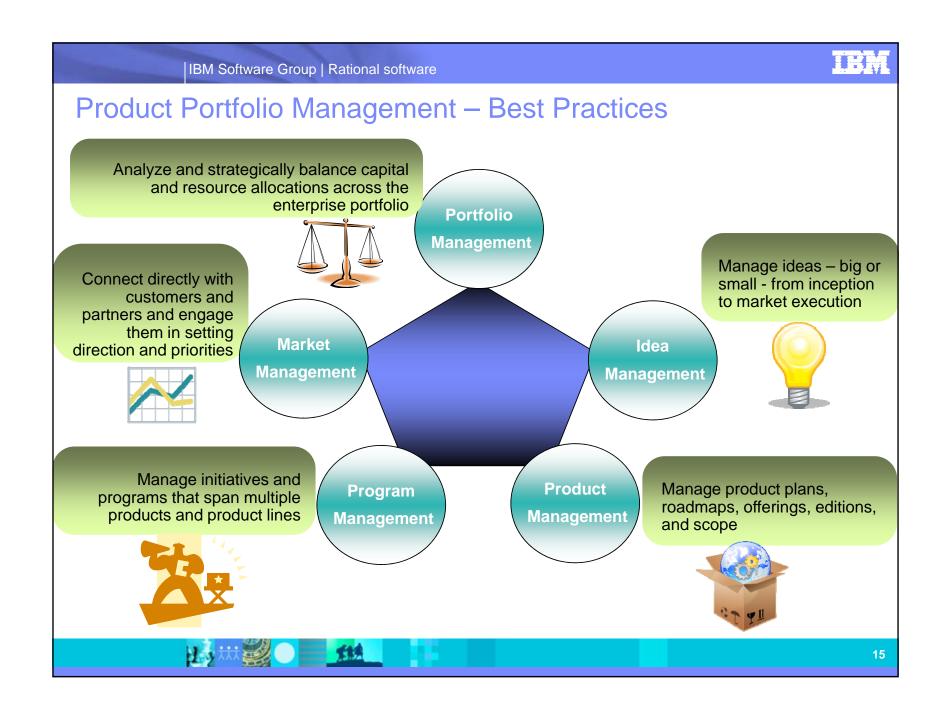
"There is no loss to the customer by eliminating activities that do not add value."

- Peter Drucker









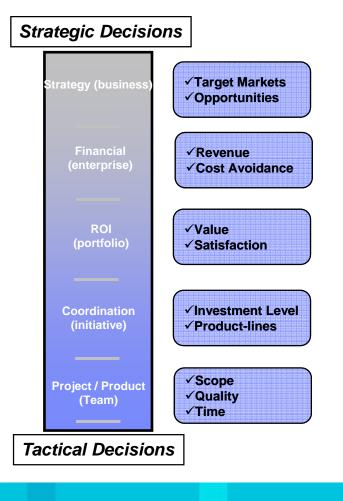


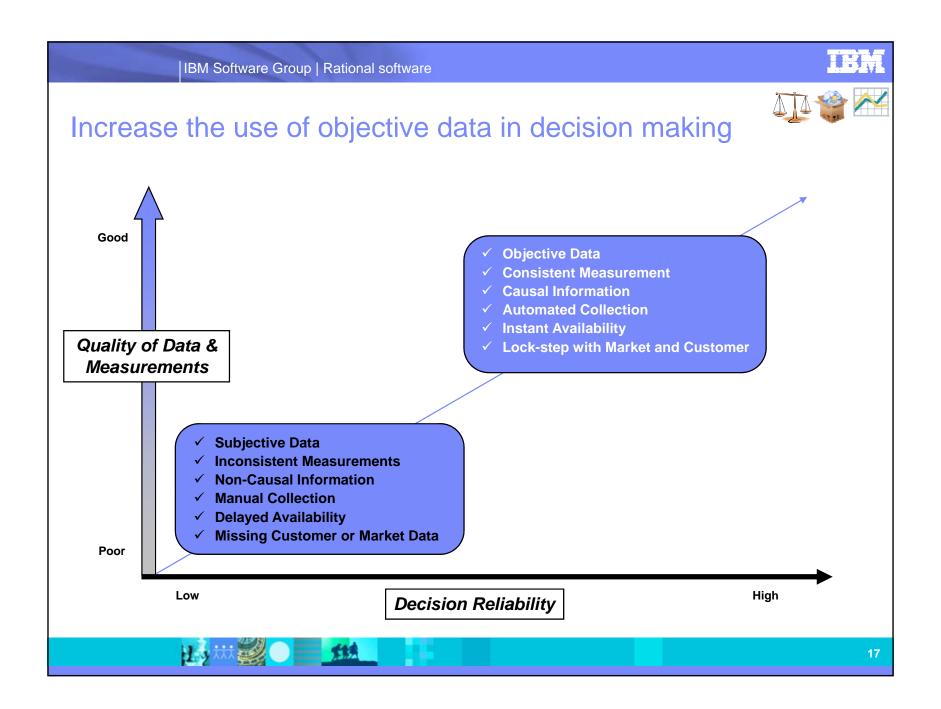




#### Deploy a consistent and open decision making process

Maintain alignment with strategic and business goals by exposing the decision making process to the entire team, and applying consistent criteria at all levels of the organization



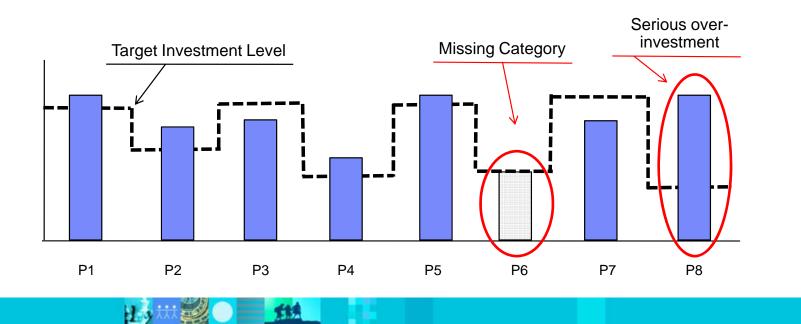


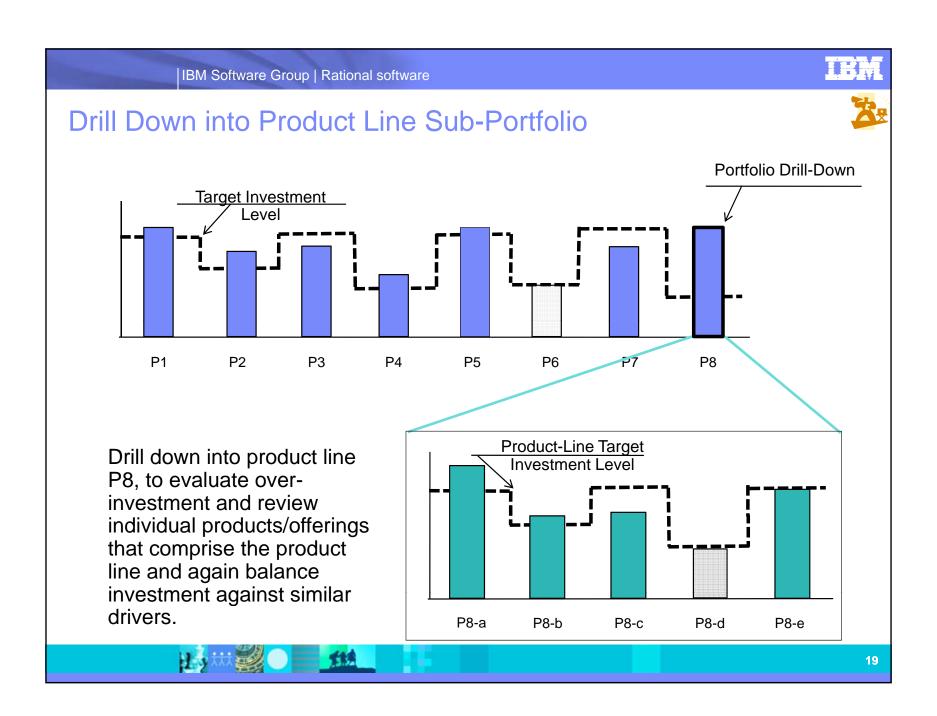


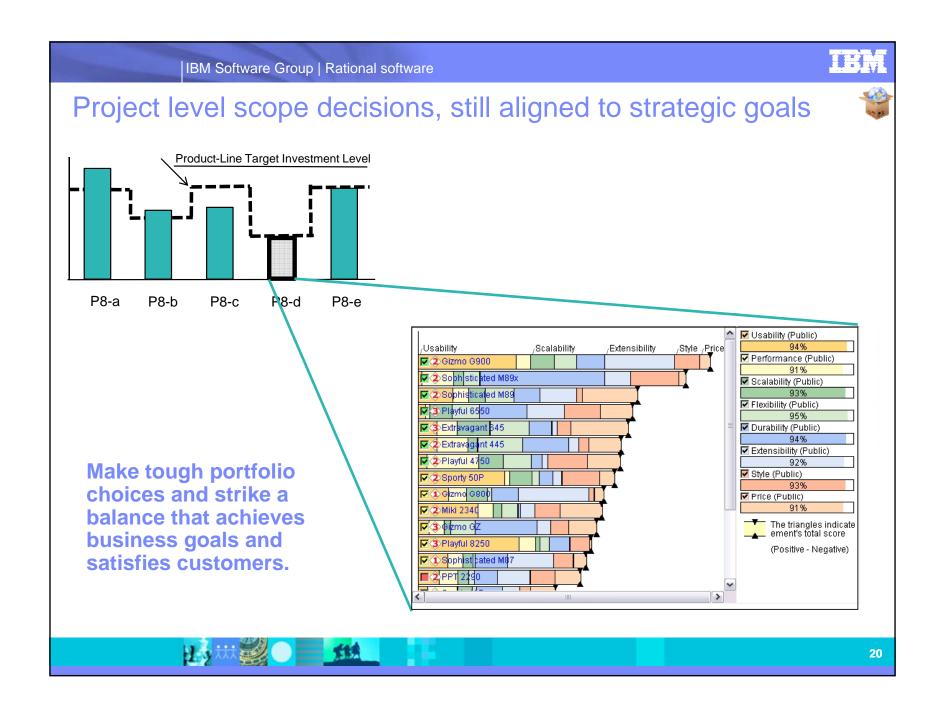


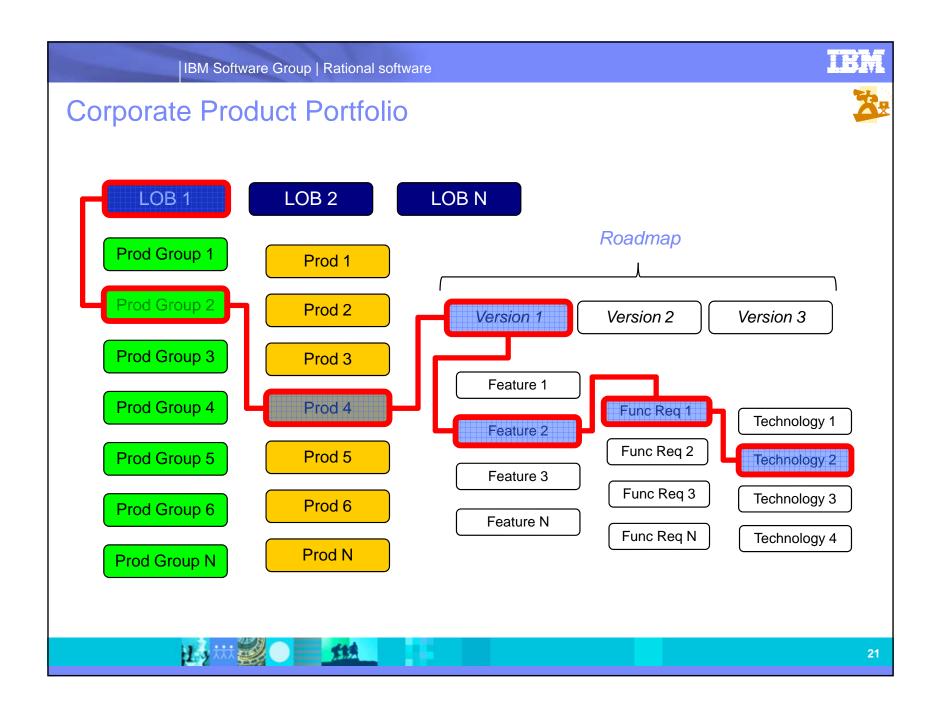
#### Interrogate investment levels across the portfolio

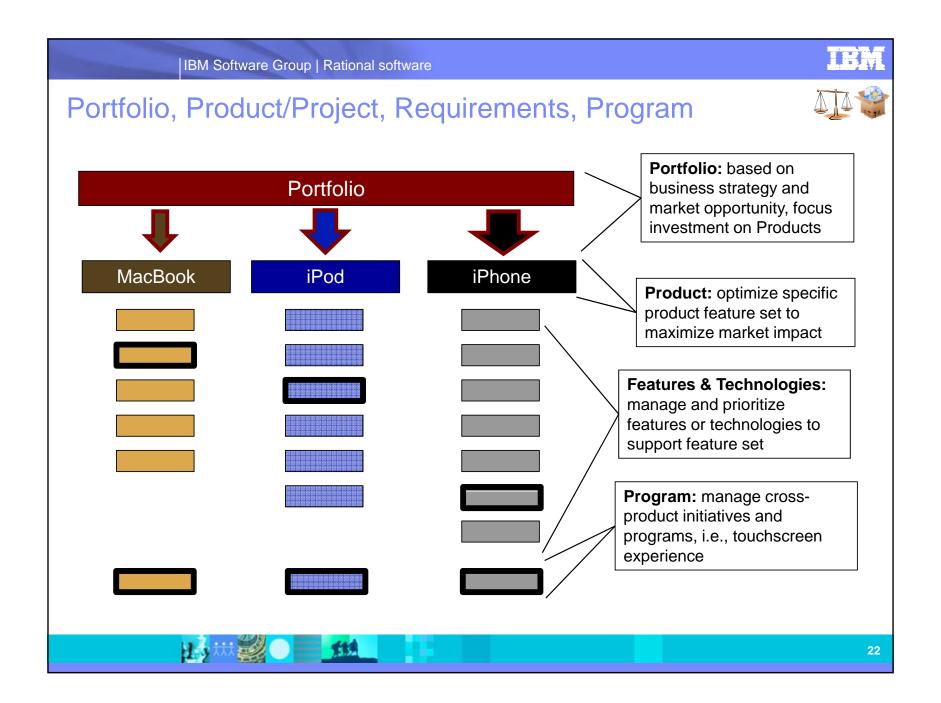
- Establish a "Target Investment Level" for each portfolio element:
  - Measure Strategic Alignment, Risk
  - NPV, IRR, Payback Period, Cost of Entry
  - Market Size, Competitive Position
  - Customer Requests, Competitive Position
- Assure that the portfolio covers the marketscape → note missing category













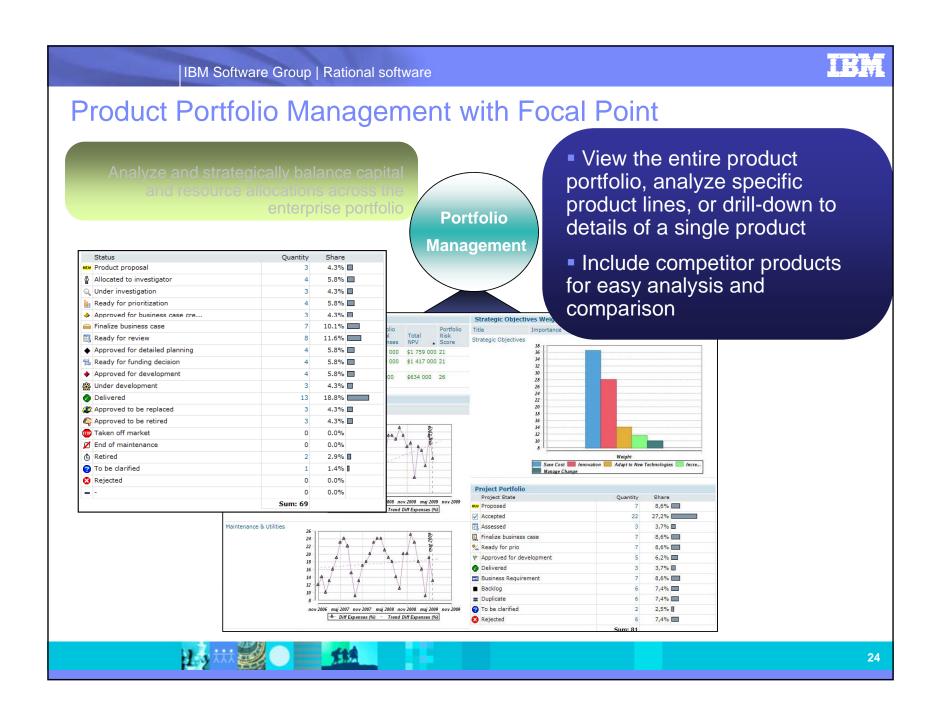
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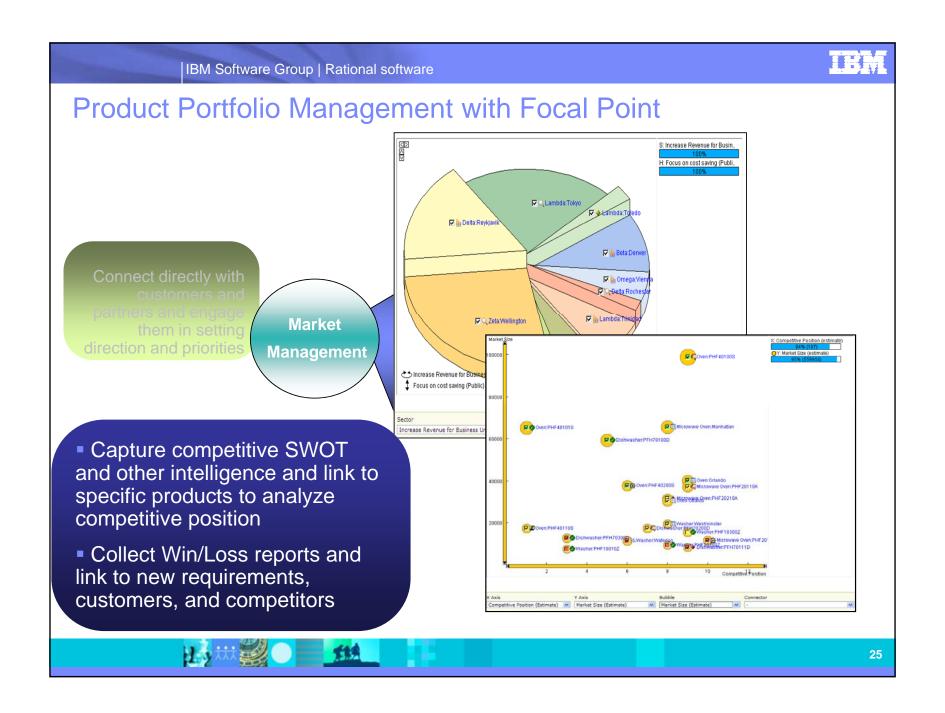


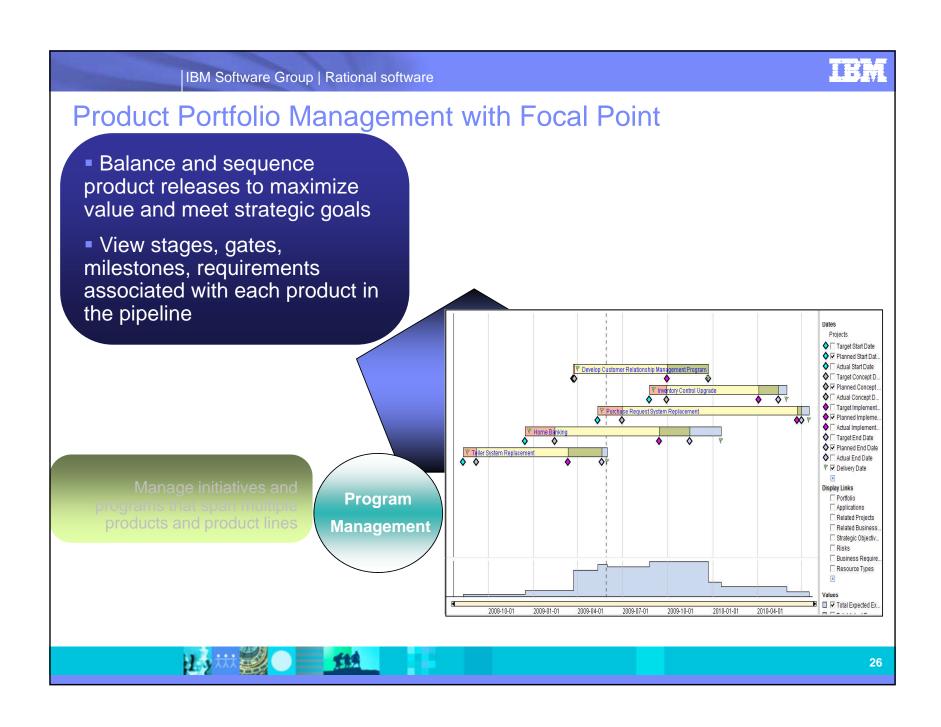


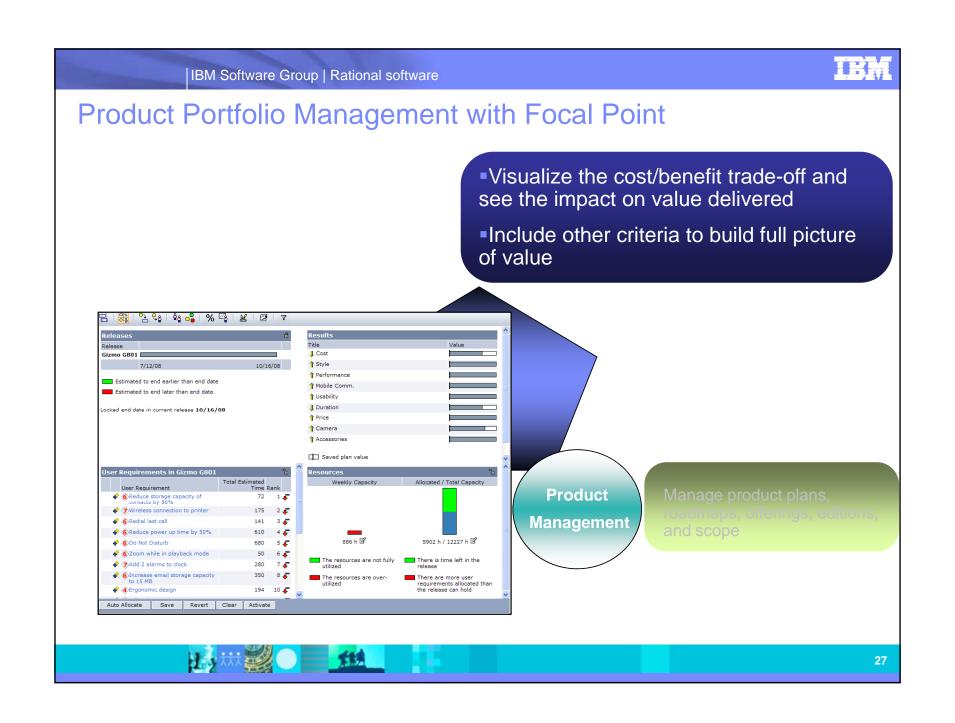


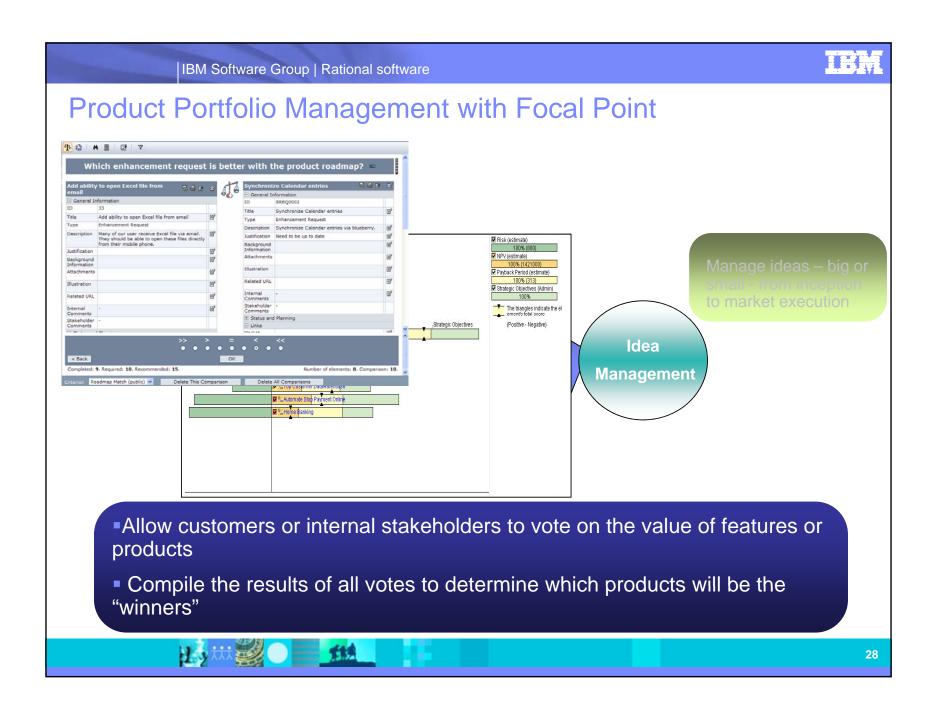


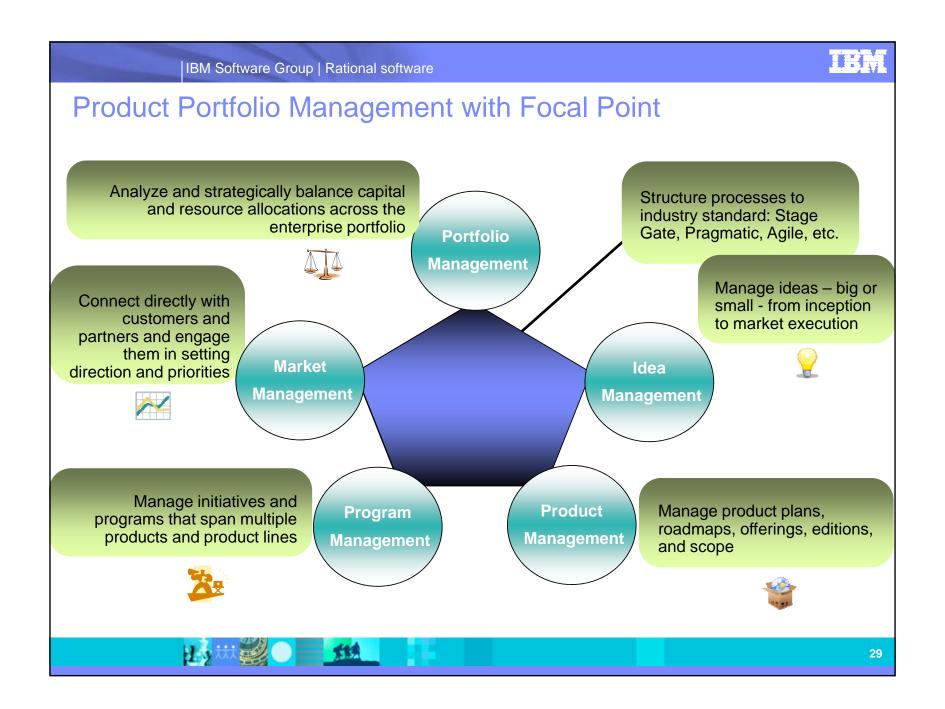


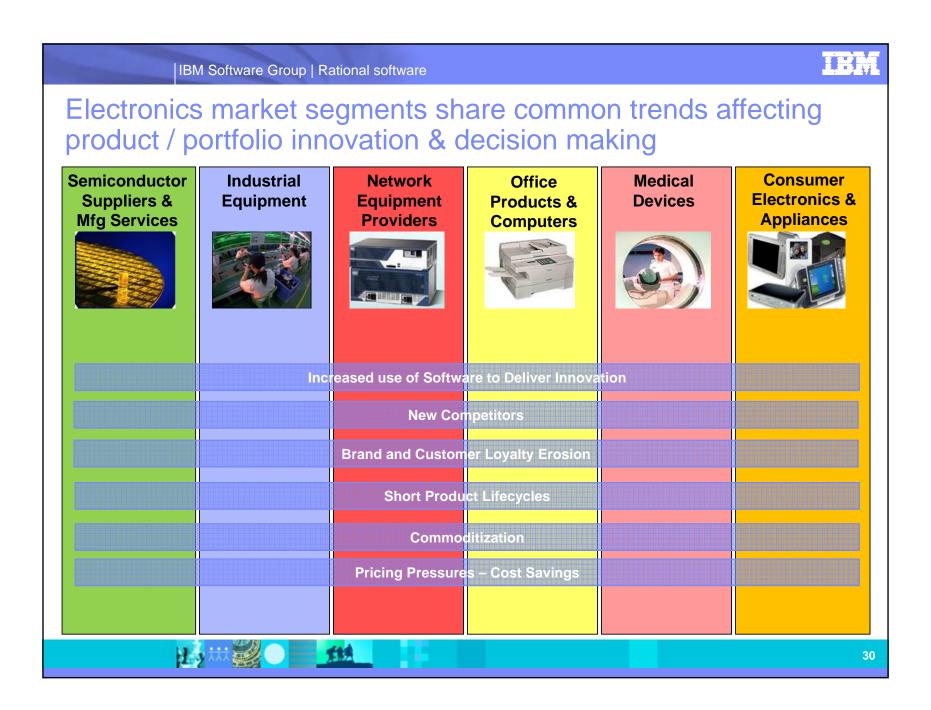














#### Product Portfolio Management with IBM Rational Focal Point

Deliver the Right Products, for the Right market, at the Right time

#### Automated Idea Capture

- Listen to your customer for new and innovative ideas
- Automate tactical activities like idea capture, and provide consistency to the evaluation and approval processes

#### Value-Based Selection

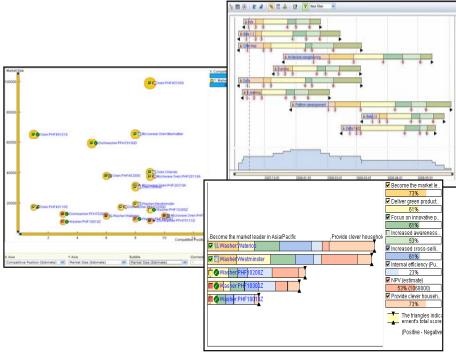
- Keep the focus of decisions on creating value for your customers and your business
- Decision support prioritization trade off analysis

#### Product Investment Visibility

- Manage and monitor your product portfolio as investments
- o Release planning/product portfolio planning

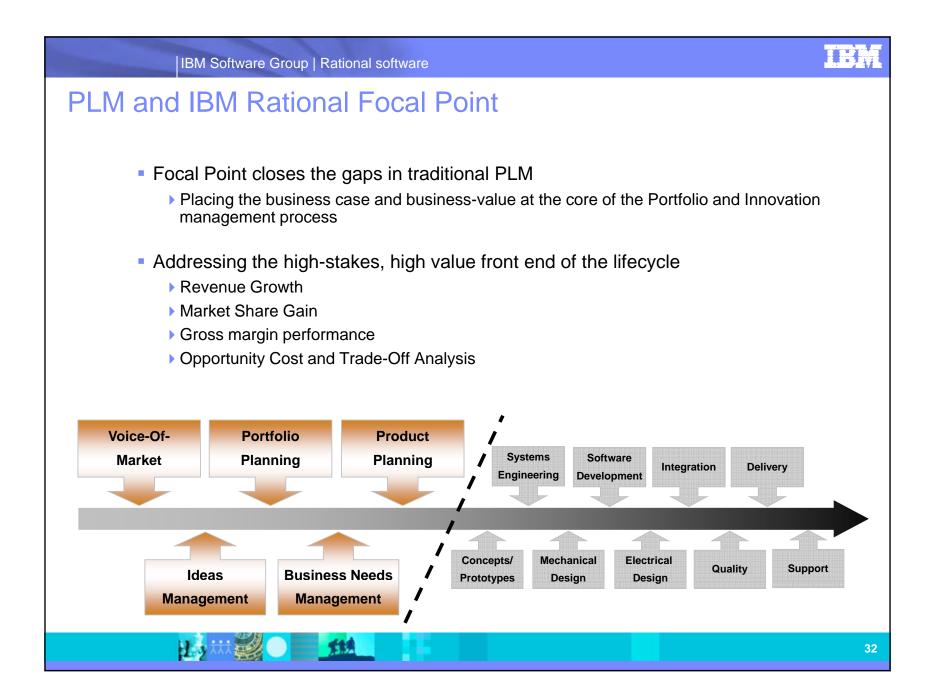
#### **?** Collaboration

Web-based collaboration with customers and internal users



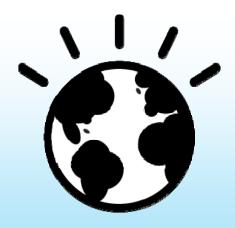
"Focal Point helps us discover the optimal set of customer features and balance those against the needs of our business, allowing us to deliver continual enhancements to our telematic solution." Daimler FleetBoard







#### The Innovation Agenda: Something meaningful is happening







Our world is becoming **INSTRUMENTED** 



Our world is becoming **INTERCONNECTED** 



All things are becoming INTELLIGENT

Resulting in transformational change across all industries



















Smart Utilities Smart Traffic Smart Offices

Smart Retail Smart Telecom

Smart Food

Smart Banking Smart Health Smart Candy









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