


ORACLE®



Predict and Shape Demand with Oracle Demantra

Collaborate 08

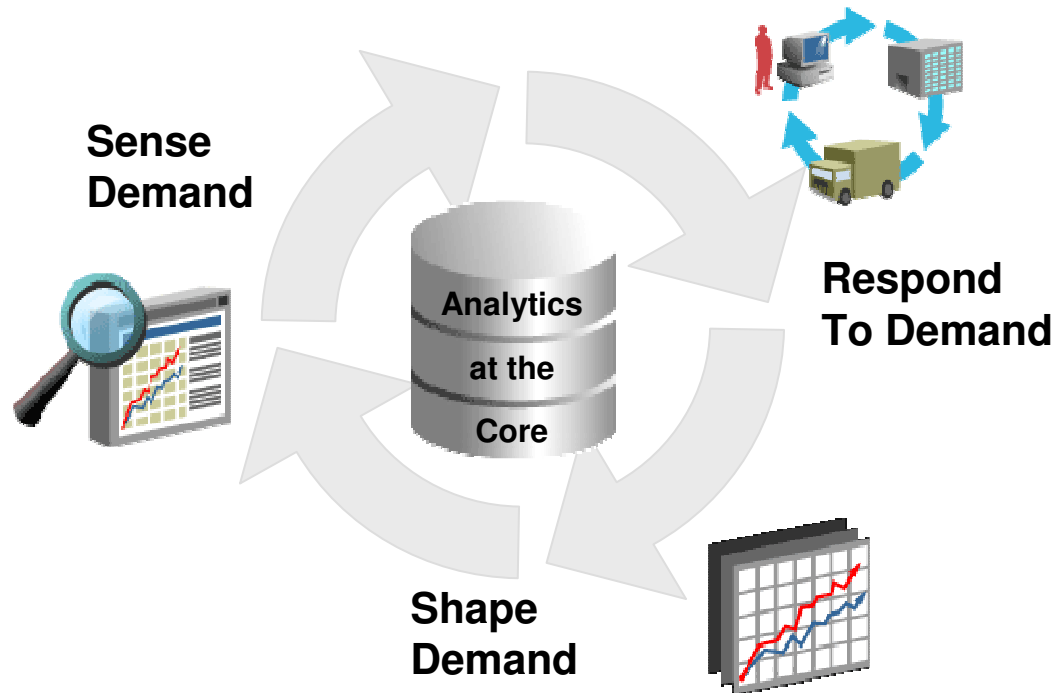
John Bermudez
Senor Director, SCM Product Strategy



The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Demand Driven Adaptive Planning

Sense, shape and respond to demand



Precise prediction of demand to identify potential problems
+ Better optimization of supply enables response
Results in more profitable revenue

ORACLE

Better Approach – Significant Benefits

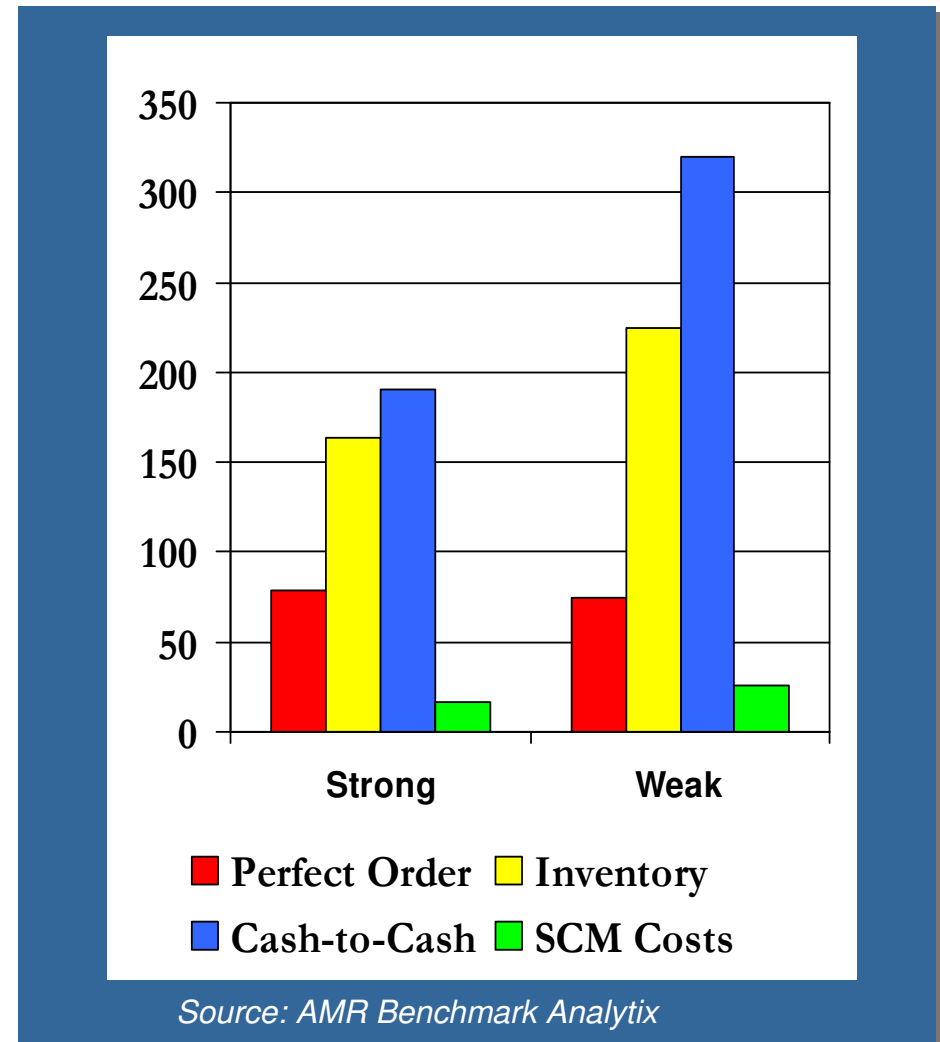
Demand Driven leaders have:

- 15% less inventory
- 17% stronger order fulfillment
- 35% shorter cash-to-cash cycle times

Which translates to:

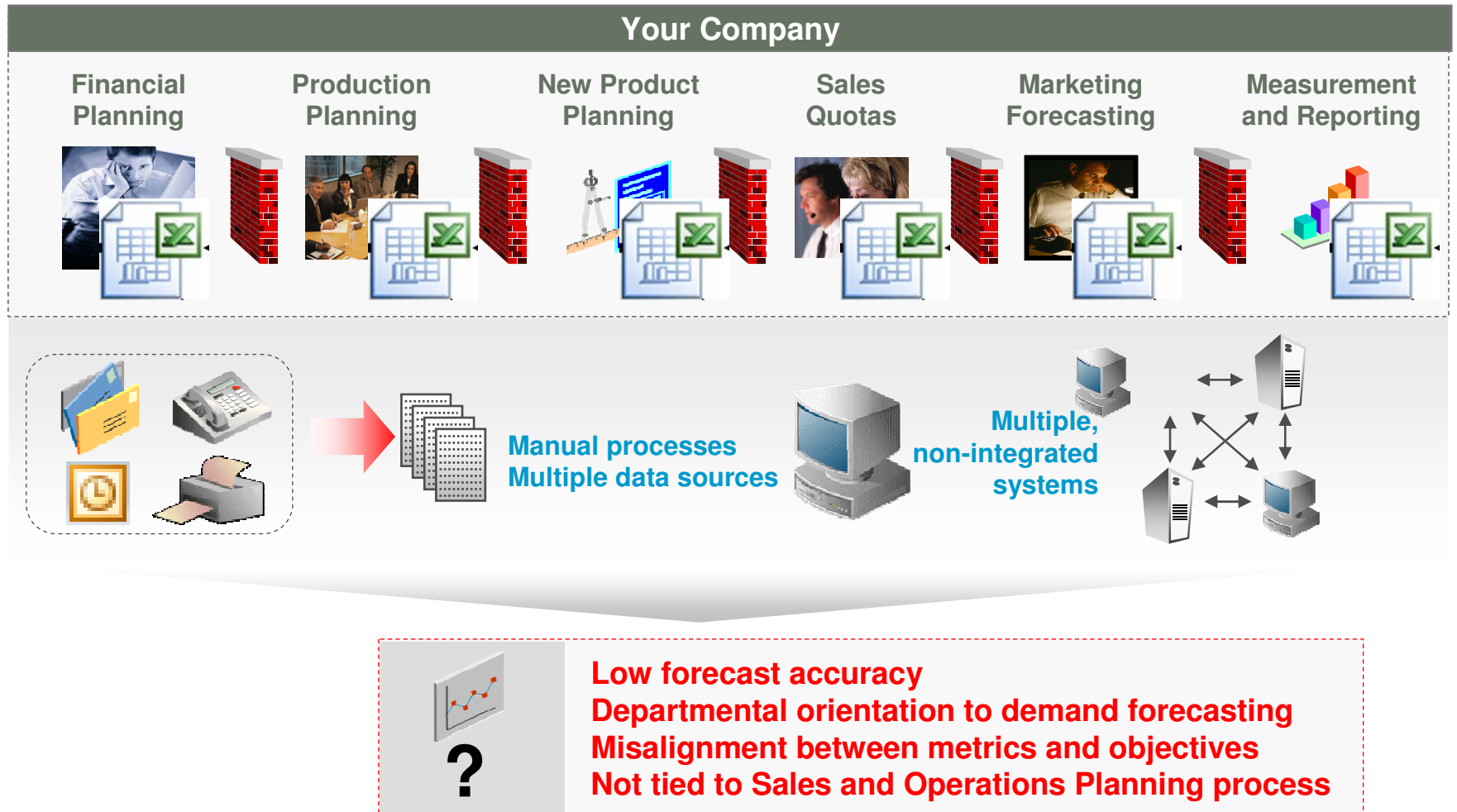
- 60% better profit margins
- 65% better EPS
- 2-3x the ROA

*Improved Demand Management
is the first important step !*



Traditional Approach – Disconnected

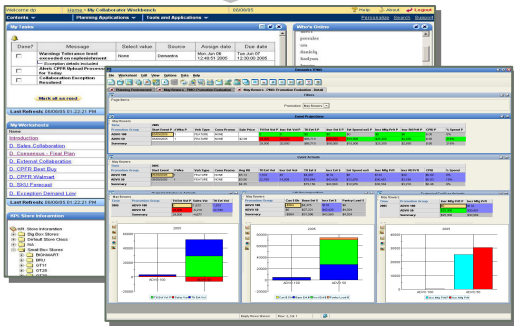
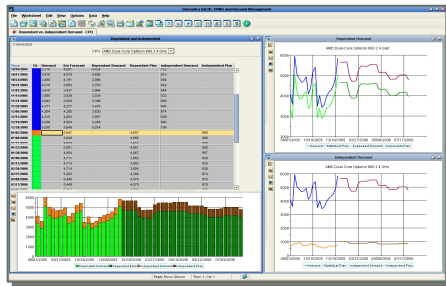
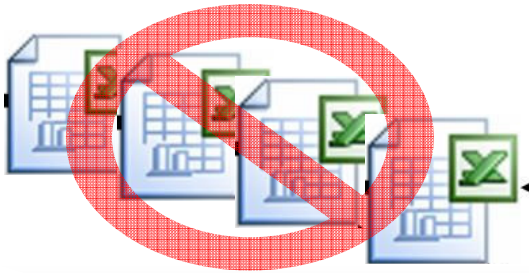
High latency, limited collaboration, no consensus forecasting



ORACLE

Better Approach

Real-time demand sensing and collaborative consensus forecasting

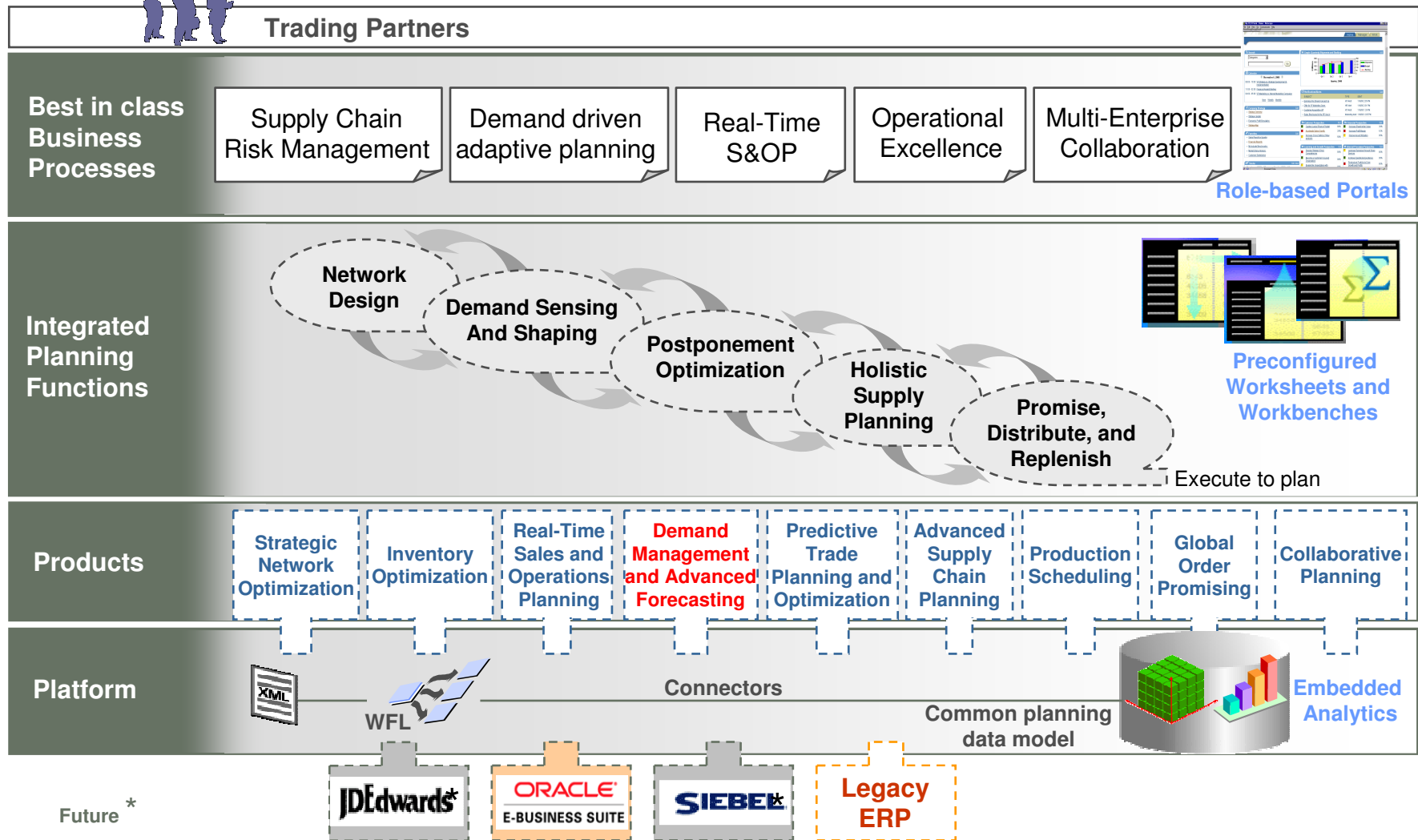


- **Eliminate decision making latency by focusing on excellence in demand visibility**
 - Sense demand more frequently and closer to the point of consumption
 - Replace spreadsheets with one number demand management - Collaborate with all constituents
- **Improve your forecast accuracy**
 - Use advanced analytics and statistics
- **Shape demand**
 - Promotion excellence and decomposition
 - Leverage granular demand signals (customer, channel, store, shelf)
 - Identify and simulate cross selling opportunities
- **Evolve to real-time S&OP**
 - Profitable demand response
 - Identify supply side opportunities
 - Define and monitor customer based metrics
 - Get real time visibility to sales tactics (price breaks, promotions, deals)

ORACLE

Oracle Advanced Planning Solution

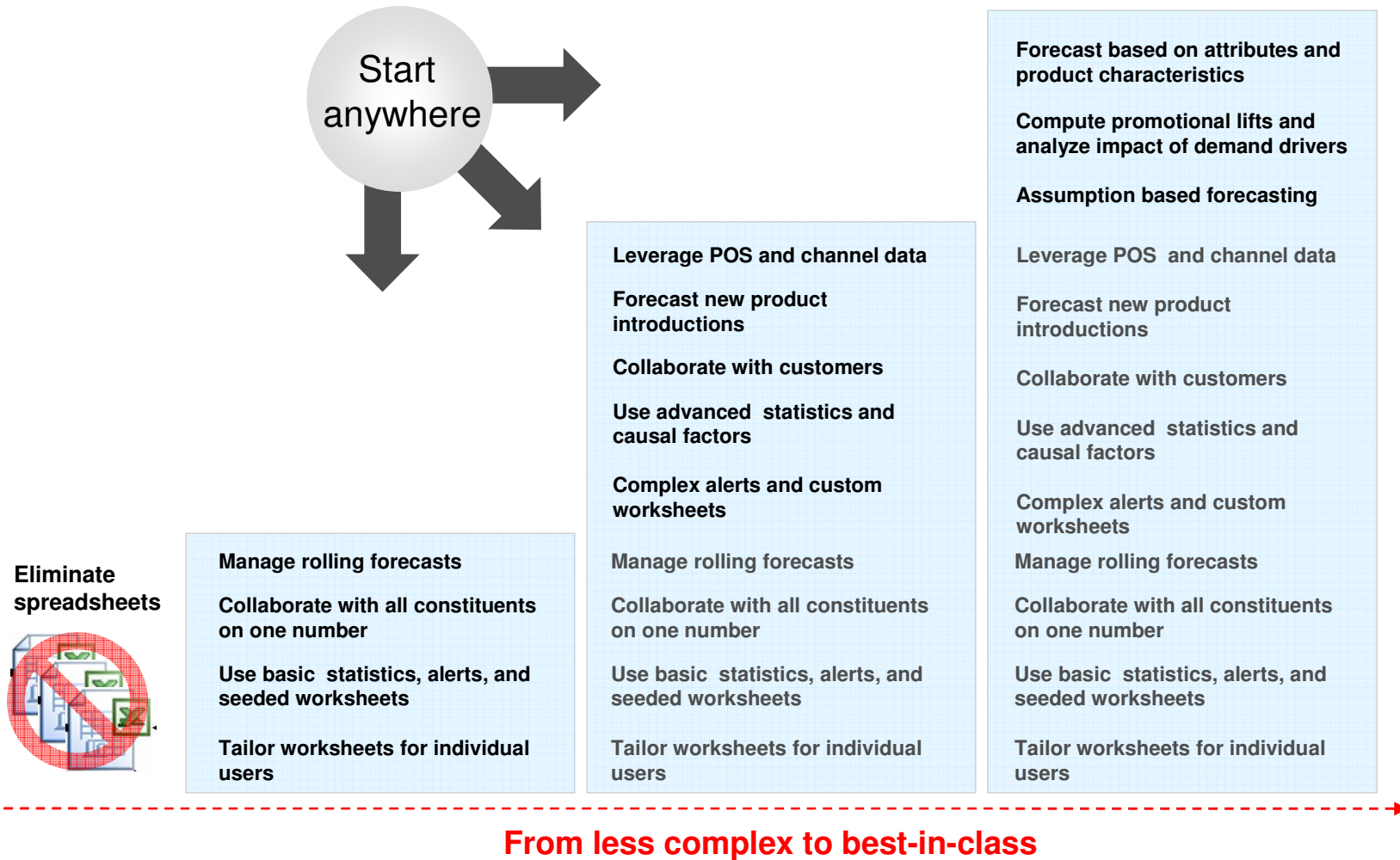
Complete, best-in-class e-business planning process platform



ORACLE

Oracle Demantra Demand Management

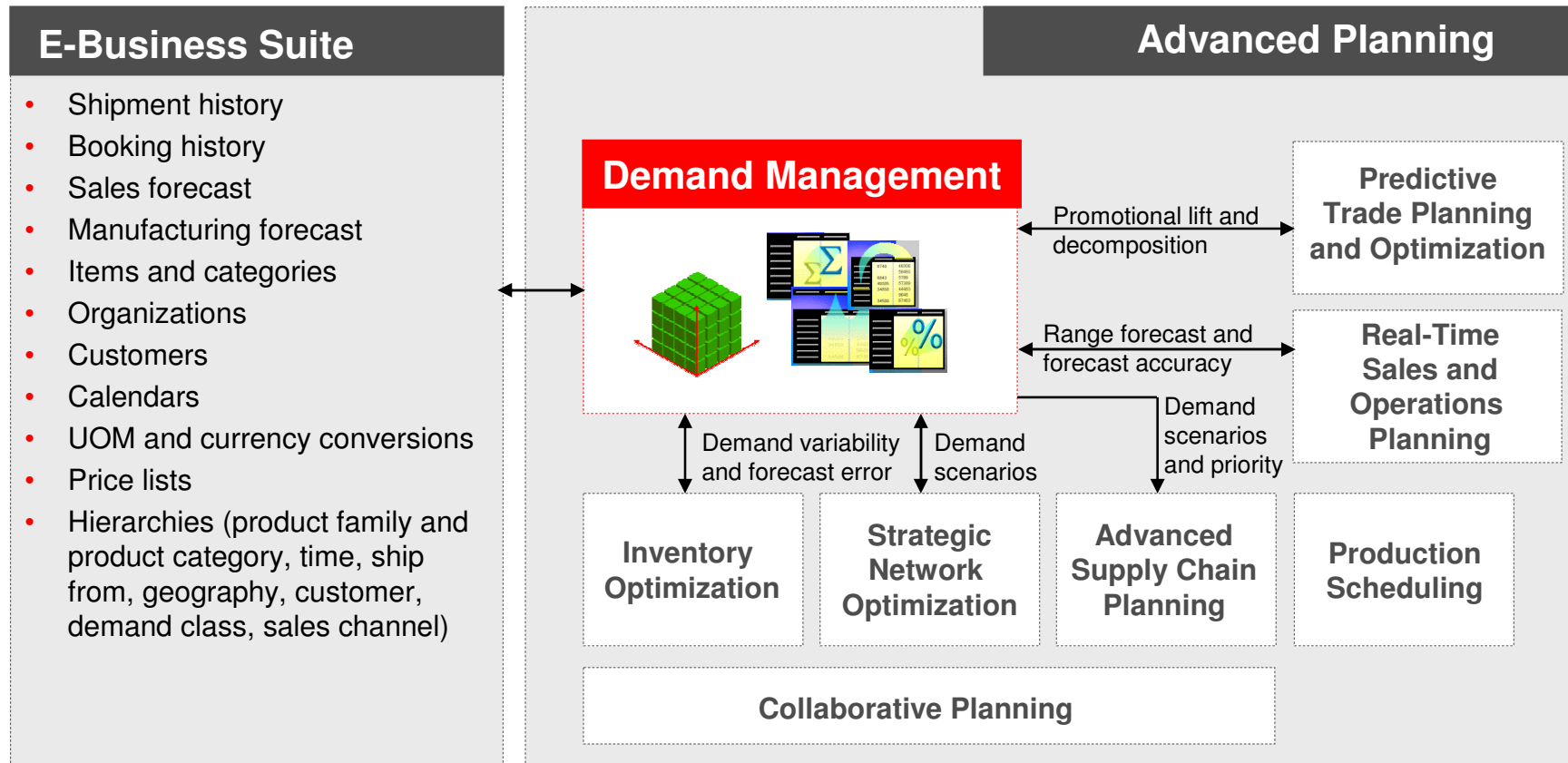
Evolve at your own pace to a best-in-class solution



ORACLE

Achieve Incremental Value

Implement additional Advanced Planning components quickly by leveraging the same foundation





What Makes Demantra Better



Increased demand visibility

- Scalable to handle billions of data points



Automated forecasting with high accuracy

- No statistics experience required



User configurable worksheet interface

- Support any business planning need



Web-based collaborative planning platform

- S&OP across all departments, customer & suppliers



Integrated marketing and promotion planning

- Shape demand to grow revenue



ORACLE



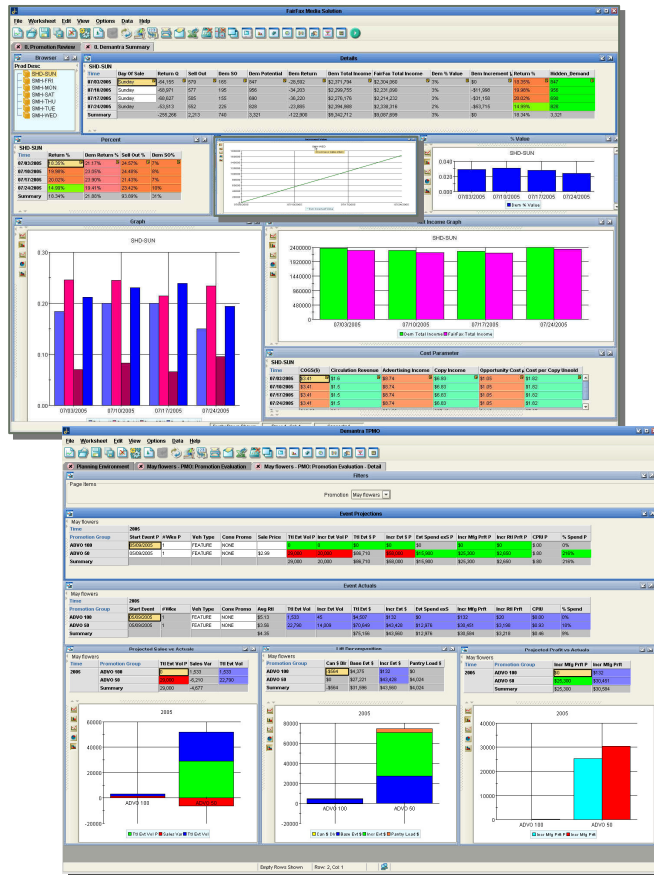
Demantra Demand Management

Enables real time demand sensing and shaping ...

- ① **Sense demand real-time**
- ② Improve forecast accuracy
- ③ Shape demand for profitability
- ④ Evolve to real-time sales and operations planning

Sense Demand Real-Time

Involve all constituents and forecast closer to the point of consumption

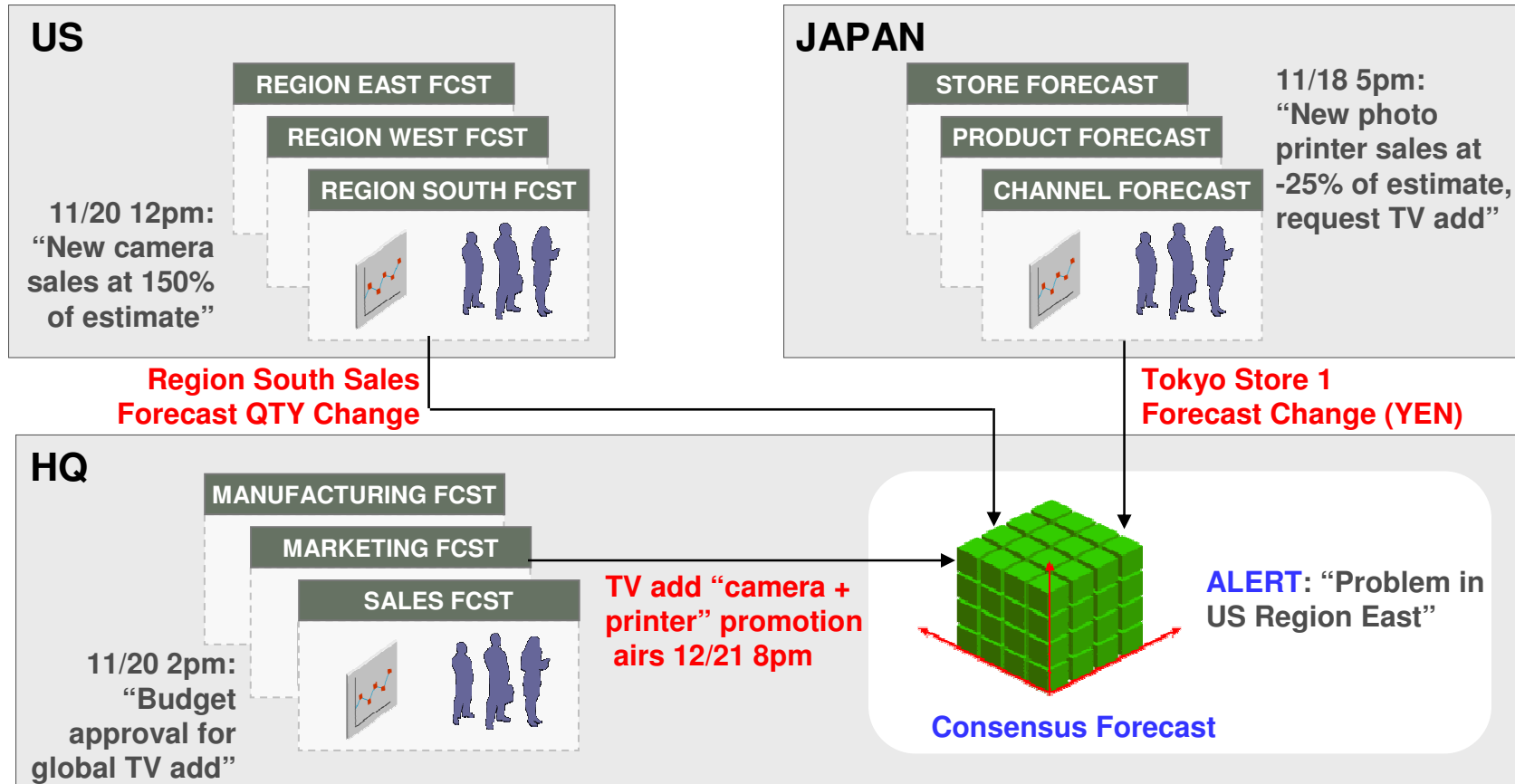


- **Sense demand real-time, at more granular level, and closer to the point of consumption**
 - Report and measure demand in the ways important to your business - role-based Collaboration Workbench for coordinated demand response
 - Support different demand data for each customer and channel
 - Easily add additional sources of information, such as external syndicated and POS data, using data integration profiles
 - Use multiple units of measure and multiple currencies
 - Collect information from multiple source ERP instances
 - Out-of-the-box integration for Oracle EBS, JDE E1
- **Leverage built-in intelligence to automatically select which level's data to use for forecasting**
 - Roll up data across unlimited hierarchies
 - Forecast at any level of time, product, and location aggregation
 - Completely meta data driven – change on the fly
 - Weekly and daily forecasting support
 - Simulate and compare different demand scenarios
- **Automate collaboration through workflow**
 - Ensure all constituents submit numbers on time
 - Configurable push exception management automates review process

ORACLE

Sense Demand Real-Time

Involve all constituents and forecast closer to the point of consumption

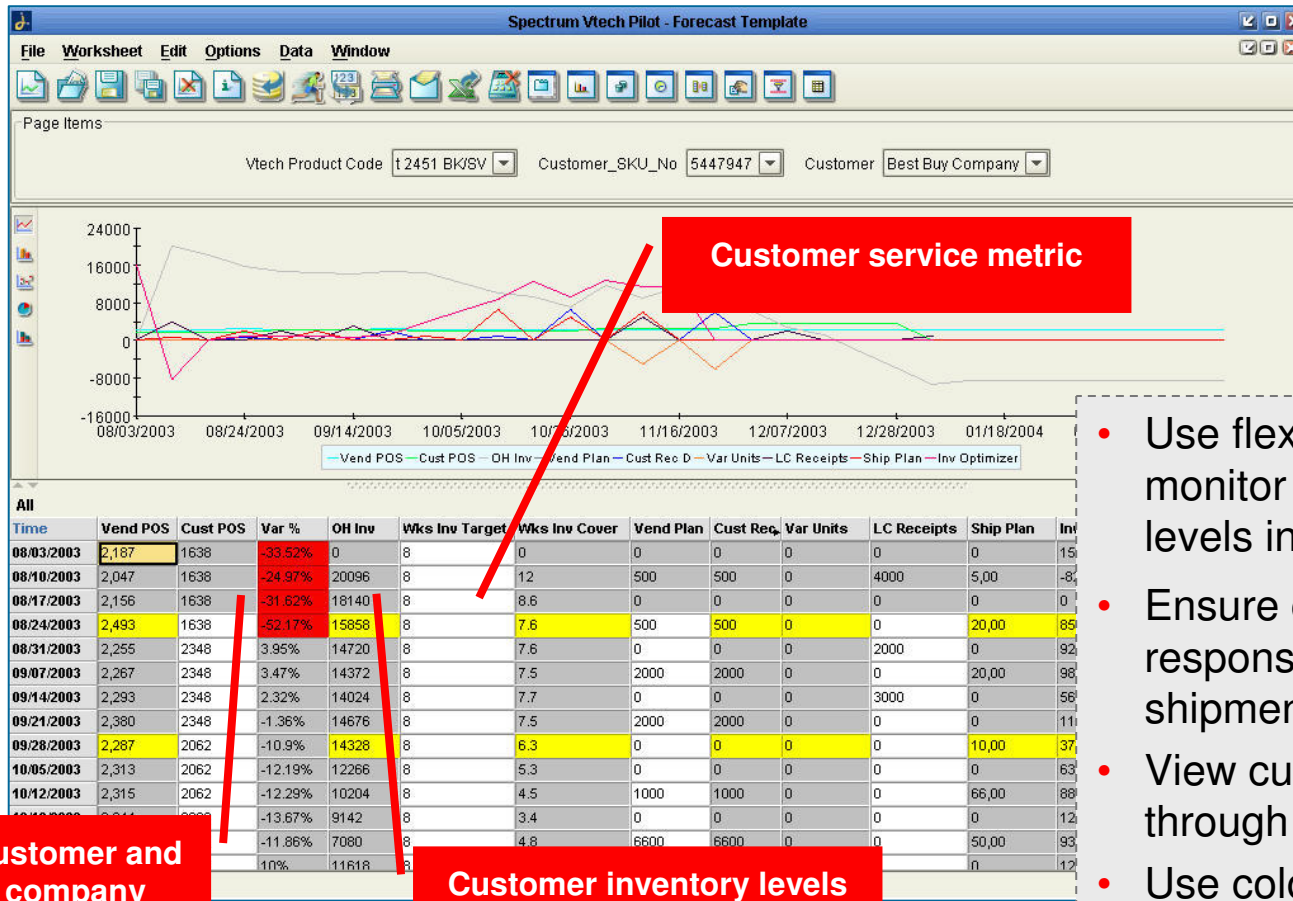


20th Century Fox processes real time updates from 15,000+ stores daily

ORACLE

Sense Demand Real-Time

Monitor customer demand and respond to ensure high service levels

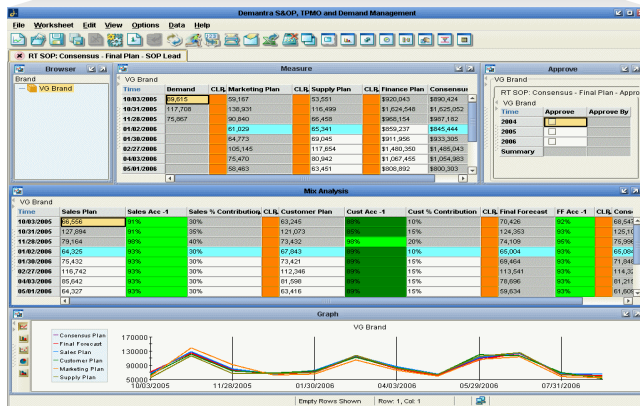
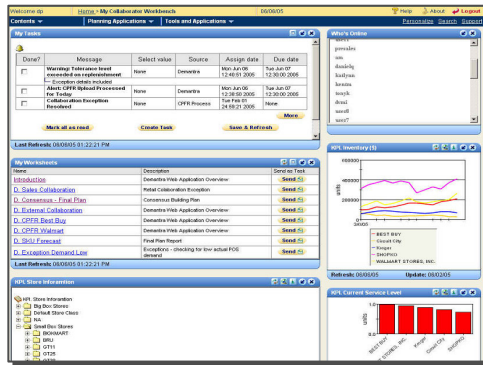


- Use flexible worksheets to monitor customer service levels in familiar format
- Ensure coordinate demand response with forecast and shipment data in one place
- View customer data brought through EDI
- Use color expression to highlight potential problems

Improve Demand Planner Productivity

Configurable user interface replaces need for individual spreadsheets while ensuring enterprise database access and security

- Task oriented dashboards
- Excel like worksheets
 - Context sensitive
 - User configurable workspaces
 - Copy and paste multiple cells and rows
 - Create new worksheets based on 20 seeded ones (Historical forecast performance, Forecast accuracy, Top and bottom 5 customers year to date, Revenue analysis, and more)
 - Shared and private worksheets
 - View in any unit or currency
- View data at multiple levels in hierarchy of choice
- Simultaneous update and view multiple worksheets and perform side-by-side comparisons
- Color coding based on exceptions
- Flexible formulaic expressions
- Online notes with audit trail
- Off-line mode with automatic sync and MS Excel integration



ORACLE



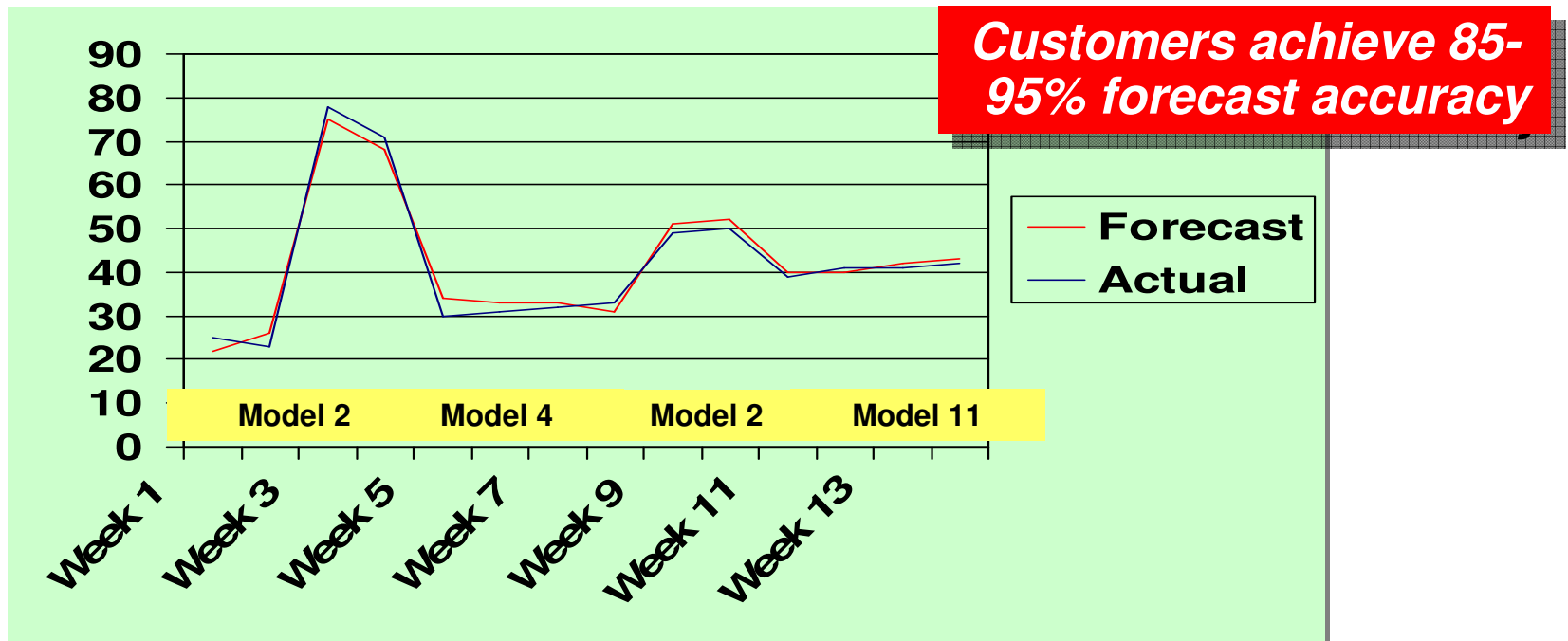
Demantra Demand Management

Enables real time demand sensing and shaping ...

- ① Sense demand real-time
- ② **Improve forecast accuracy**
- ③ Shape demand for profitability
- ④ Evolve to real-time sales and operations planning

Automatic Short/Long Term Forecast Accuracy

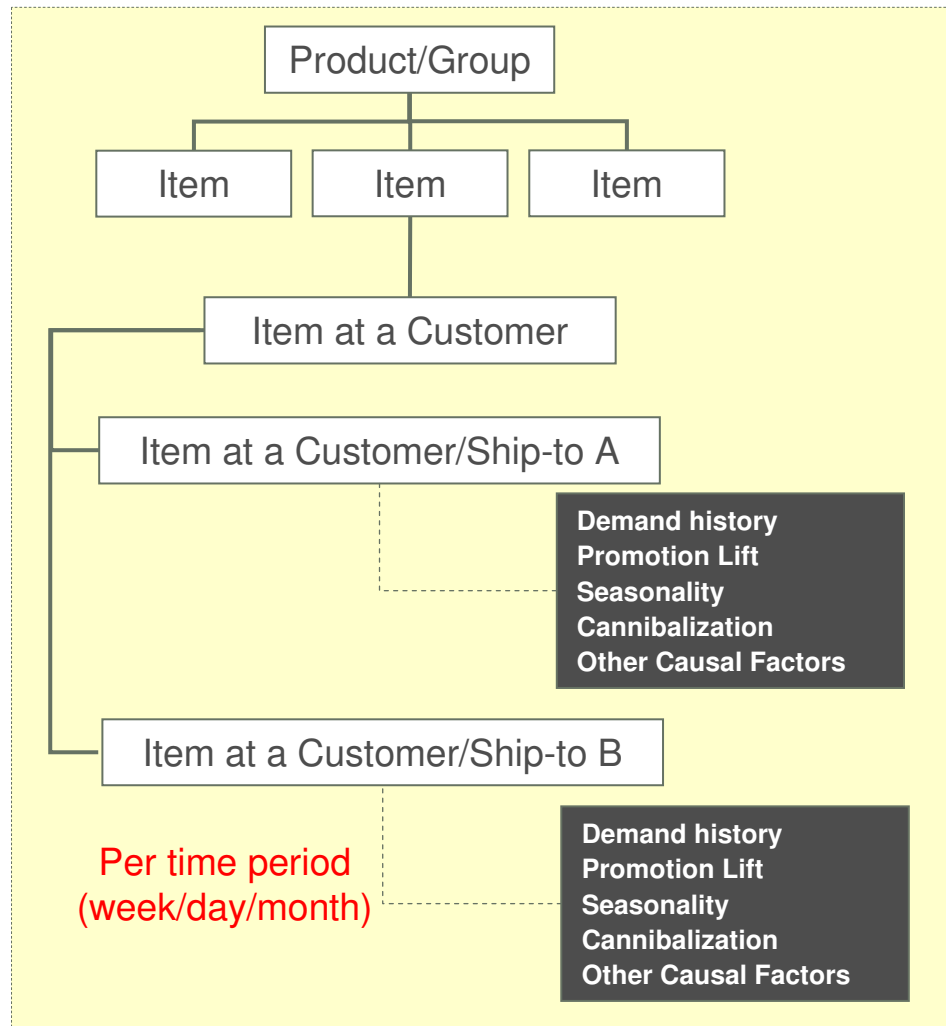
Mixed models automatically adapt in single, precise forecast



- Mixed forecast models allow a single forecast to be accurate in the short and long term
- Accurately plans promotions, new product introductions
- Automated engine uses sophisticated forecast models but requires no statistical background
 - Data relevance automatically checked and addressed

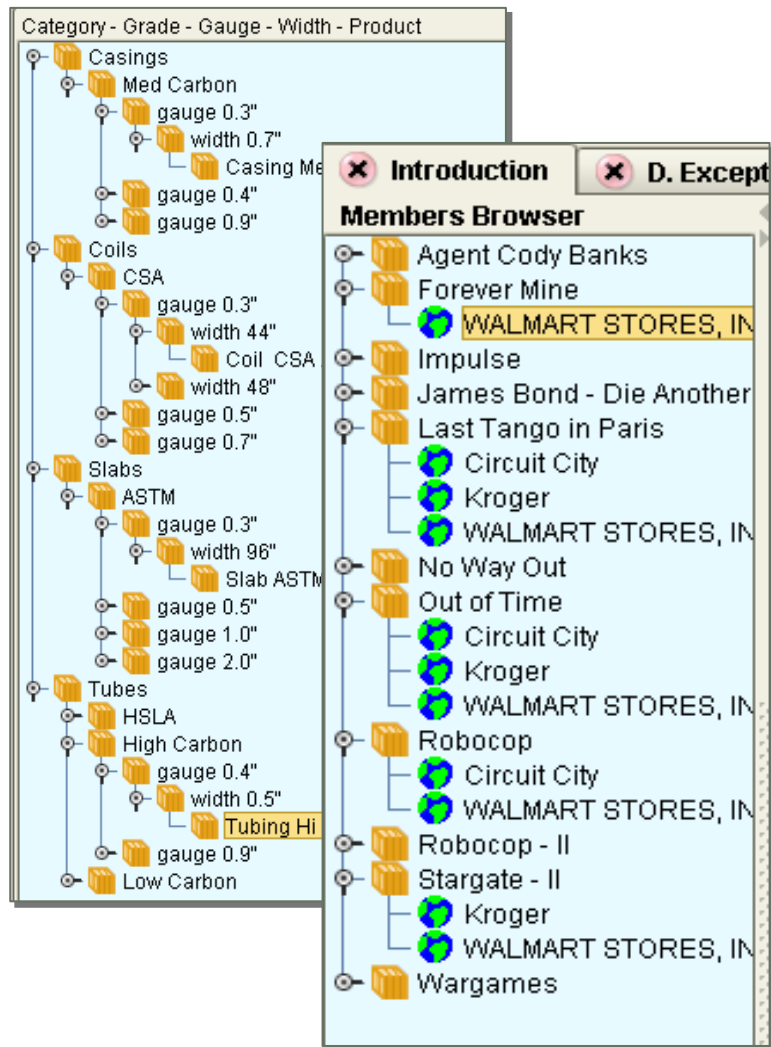
The Difference is in the Details

Forecasts at the lowest level provide the most accurate forecasts



- Demand history and causal factors maintained at lowest level
- Forecasts done at lowest level
- Coefficients calculated and maintained at the lowest level for which there is demand history
- Forecasts and promotion predictions reflect local, regional, product group customer, time period, sensitivity, and so on
- Demantra approach yields most granular analysis of demand for more accurate forecasts

Flexible Hierarchies Support Planning at any Level for any Department



- Unlimited hierarchies to model all planning data:
 - Products and product families
 - Plants & distribution networks
 - Customer ship-locations including DCs and stores
 - Sales territories and customer account relationships
 - Promotion and marketing programs
 - Attributes and characteristics
- User view data their way
- New levels can be added at any time
- Data stored at lowest level and aggregated
- Intelligent data management ensures incomplete data is detected
 - Planning automatically done at next level when statistically relevant data is not available
- Hierarchies can be changed on the fly by users to accommodate business changes



Oracle Demantra Demand Management Products

Summary of product capabilities

Demand Management

- Statistical forecasting
- Causal factors
- New product introduction (NPI)
- Reporting and analysis
- Collaboration platform - alerts and exceptions
- Unlimited hierarchies, dimensions, levels, and attributes
- Mixed and multiple demand signals

Advanced Forecasting and Demand Modeling

- Computation and display of Individual causal contribution
- Impact analysis of events
- Cross-correlative Analysis
- Attribute based forecasting
- Promotion and sales calendars
- Nodal tuning
- Unlimited causal factors
- NPI - Shape modeling and alignment
- Additional and improved forecasting models
- Advanced reporting (Gantt charts for deals, trade, promotions, price breaks, and so on)

ORACLE



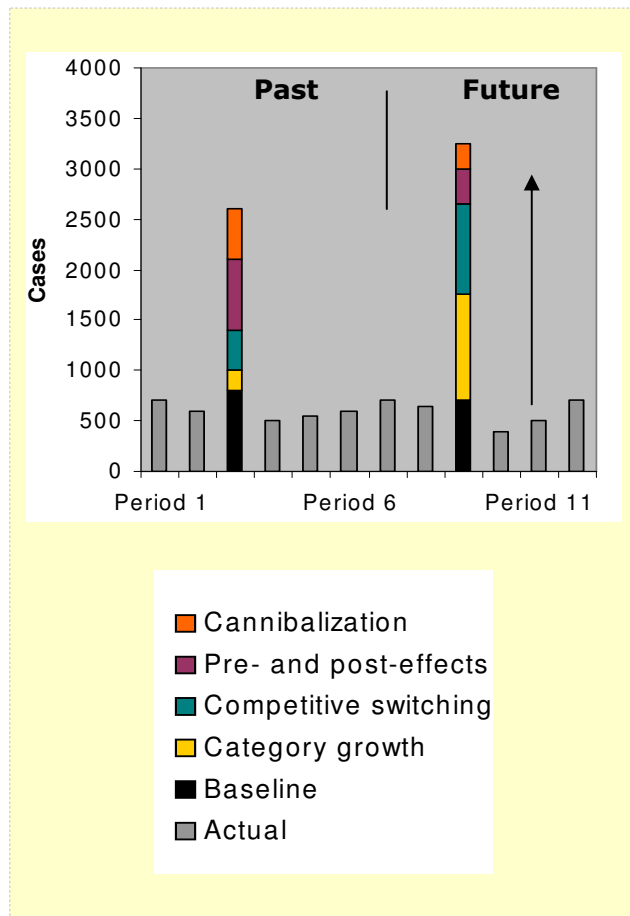
Demantra Demand Management

Enables real time demand sensing and shaping ...

- ① Sense demand real-time
- ② Improve forecast accuracy
- ③ Shape demand for profitability**
- ④ Evolve to real-time sales and operations planning

Shape Demand for Profitability

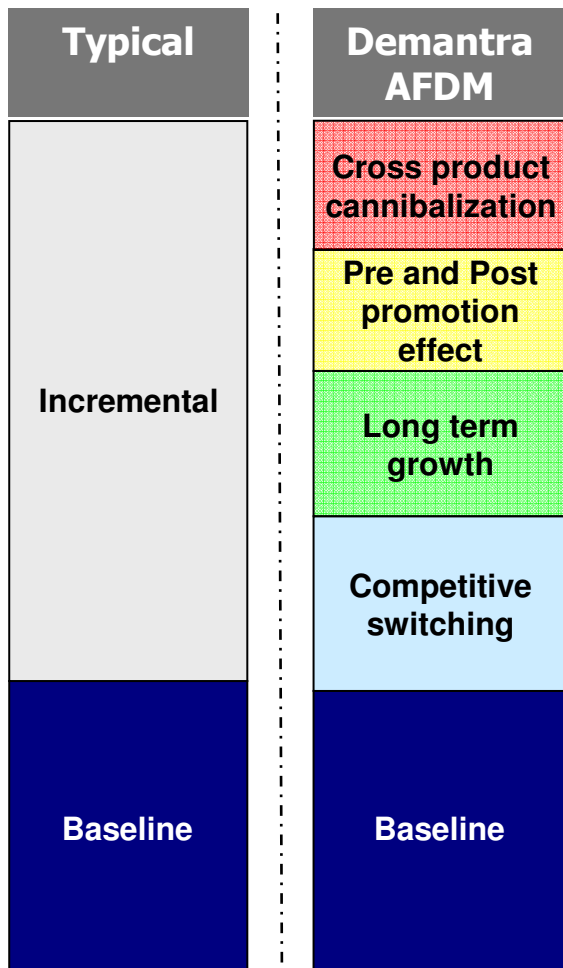
Leverage Advanced Forecasting and Modeling to understand the real impact of promotions and sales incentives



- What incremental volume will result from a marketing program?
- How will it impact the sales of other products?
- How does a marketing program at a brand or product family level impact a specific item?
- What were the indirect effects such as cannibalization and consumer stockpiling?
- What is the ROI on my marketing and trade spending?
- What is the predicted impact of future activity?
- How does a promotion impact shipments and DC replenishments?

Shape Demand for Profitability

Leverage Advanced Forecasting and Modeling to understand the real impact of promotions and sales incentives



- **Baseline versus incremental volume**
 - Provides decomposition of incremental volume from advertising, promotions, or sales incentives
- **Granular lift analytics**
 - Incremental volume lift coefficients maintained at lowest level
 - Localized promotion analysis
 - Allows shipments/replenishments to be adjusted by ship-to location
- **Cross product and customer effects**
 - Determines cross-product cannibalization impact
 - Adjusts forecasts for product and customer cannibalization
- **Configure system for assumption based forecasting**
 - Structured tracking and categorization of forecast adjustment reasons, such as market and geopolitical changes
 - Evaluation of impact on demand as driver for future forecasts
 - Examples
 - Semicon: forecast based on chip design wins
 - High-Tech: forecast based on probability of winning an opportunity
 - Life Sciences: long-term forecast based on drug approval and patent regulations

Shape Demand for Profitability

Accurately forecast demand for new products based on existing data

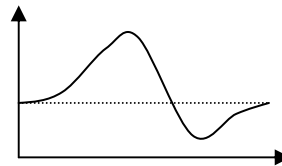
- **New products present forecasting challenges**
 - Limited or no demand history for a given item
 - May combine characteristics of several previous products
 - Price points, changing market conditions may be different
 - Product demand changes over product life cycle

Chaining

New Product C =
30% Product A +
75% Product B

Shape Modeling

- Apply shapes, scaled for volume and time
- Re-scale base on initial demand data



Attribute-Based Forecasting

Model new item based on past behavior of other items with similar attributes



Demantra Demand Management

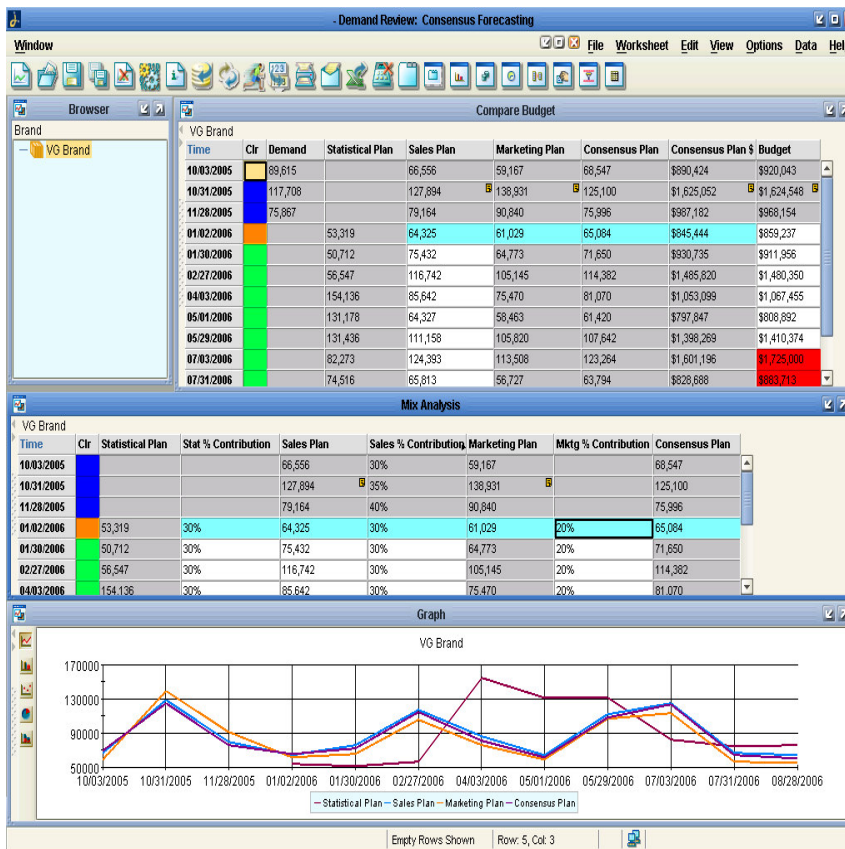
Enables real time demand sensing and shaping ...

- ① Sense demand real-time
- ② Improve forecast accuracy
- ③ Shape demand for profitability
- ④ **Evolve to real-time sales and operations planning**

ORACLE

Evolve to Real-Time S&OP

Profitably balance supply, demand, and budgets



- **Seeded templates for S&OP collaboration**
 - Seeded consensus planning worksheets
 - Easily tailored to your business
- **Configurable and extensible**
 - Collaborate at any level
- **Manage by exception instantly**
 - Exceptions and visual cues easily point to important issues immediately
 - Document all assumptions with a complete audit trail of decisions taken
 - Leverage POS data to alert planners to exceptions real time (versus batch month by month)
- **Integrated**
 - Seeded data streams for data commonly used in the process

ORACLE

Shape Demand – Real-Time S&OP

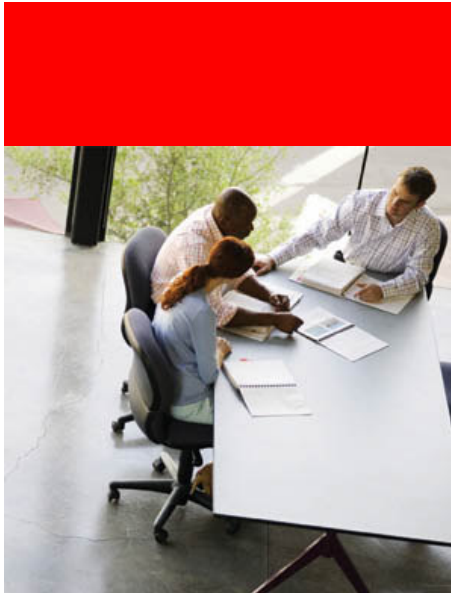
Make demand and supply decisions simultaneously



- Identify financial and revenue goals
- Analyze demand and develop sales forecast
- Synchronize plan across Finance, Sales, Marketing, and Supply Chain
- Determine potential market variables
- Review supply and demand plans
- Develop constrained plan
- Monitor results and respond to deviations
- Create promotions and incentives to shape demand and close gaps

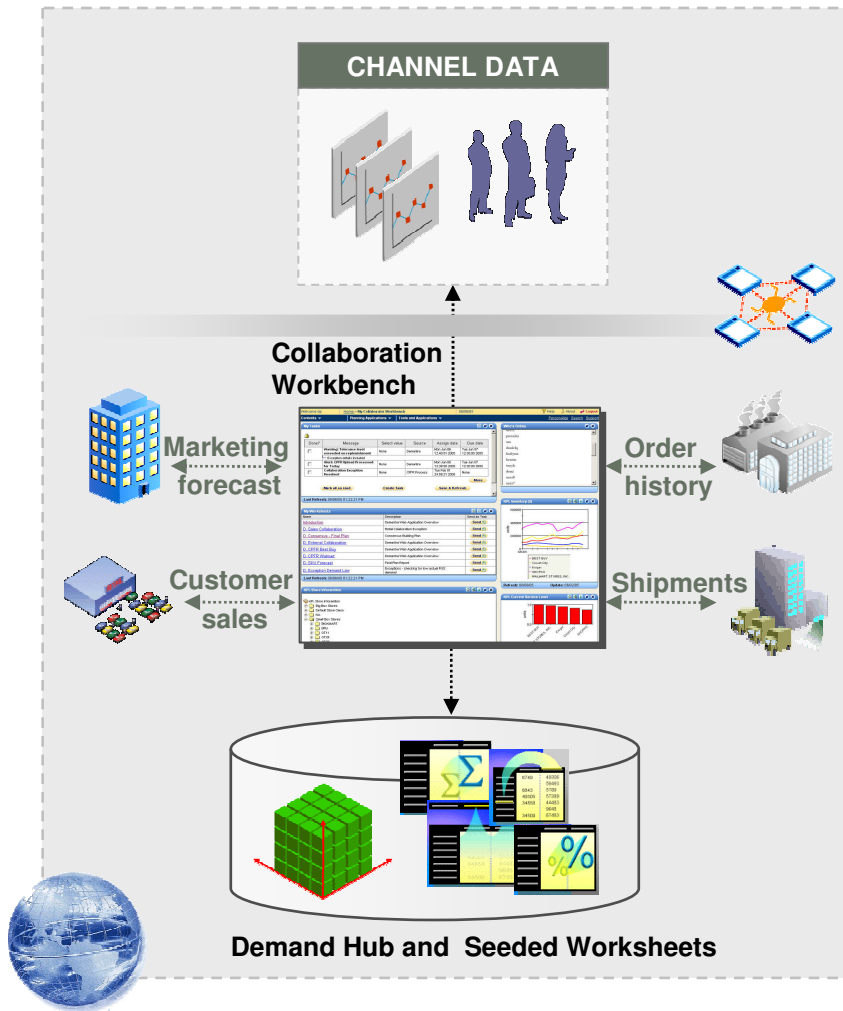


Summary



Oracle Demantra Demand Management

Real-time demand sensing and collaborative consensus forecasting



• Sense demand real-time

- Sense demand more frequently, closer to the point of consumption
- Capture demand and forecast at more granular level (store, shelf, attributes, product characteristics)
- Achieve consensus demand number more quickly by involving all constituents at the same time, including customers
- Quickly identify and react to demand changes and exceptions

• Improve forecast accuracy

- Leverage advanced statistics for more accurate demand number
- Use any combination of quantitative or qualitative data to establish your base line forecast
- High precision statistical forecasting, no statistical background required – Superior Bayesian-Markov forecast analytics
- Forecast based on attributes and characteristics
- Leverage Advanced Forecast Modeling for promotion lift decomposition and causal analysis

• Shape demand for profitability

- Plan new product introductions
- Plan promotions and sales incentives
- Identify cross selling opportunities

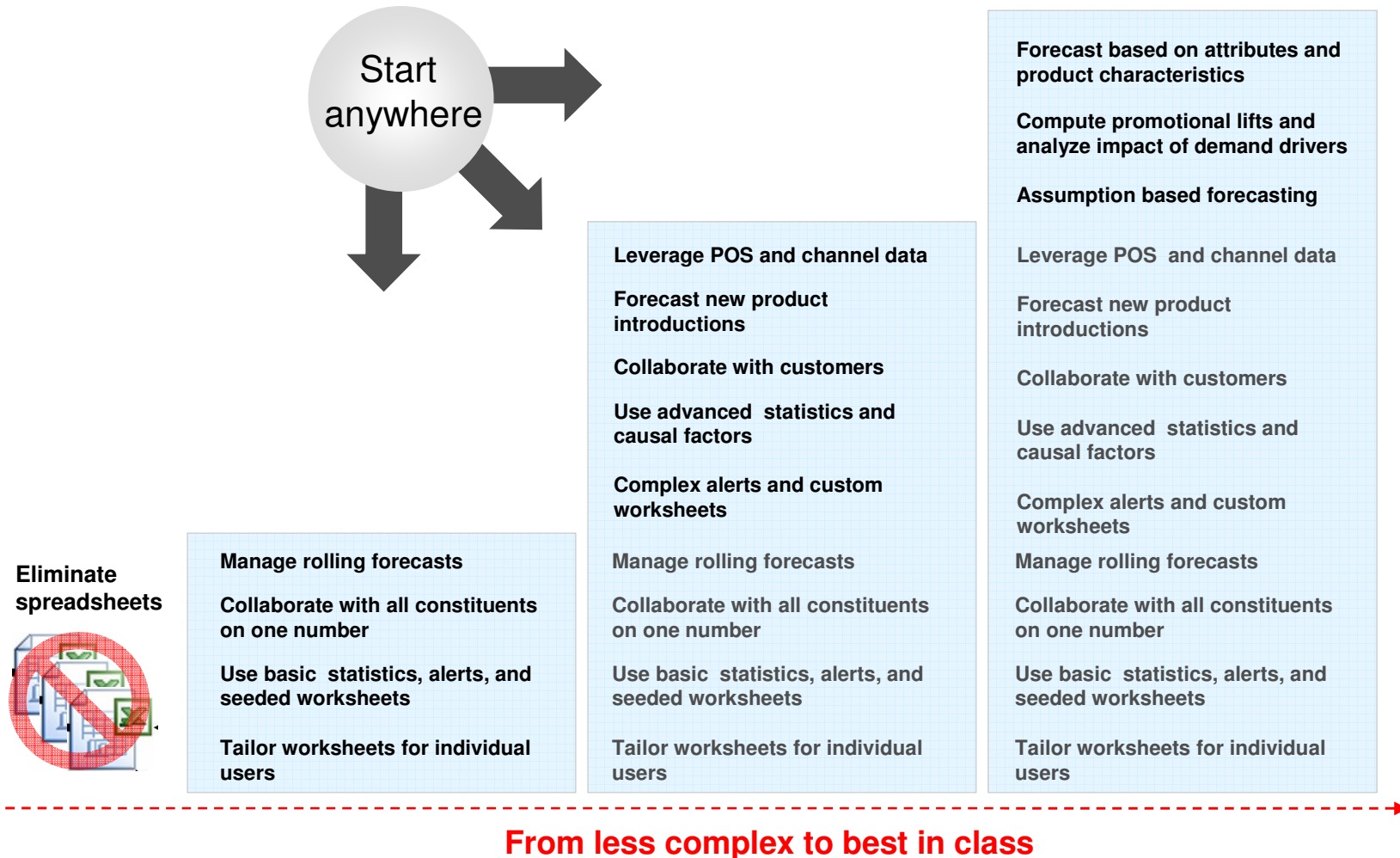
• Evolve to real-time S&OP

- Profitably balance supply, demand, and budgets

ORACLE

Oracle Demantra Demand Management

Evolve at your own pace to a best-in-class solution



ORACLE

ORACLE®



ORACLE IS THE INFORMATION COMPANY