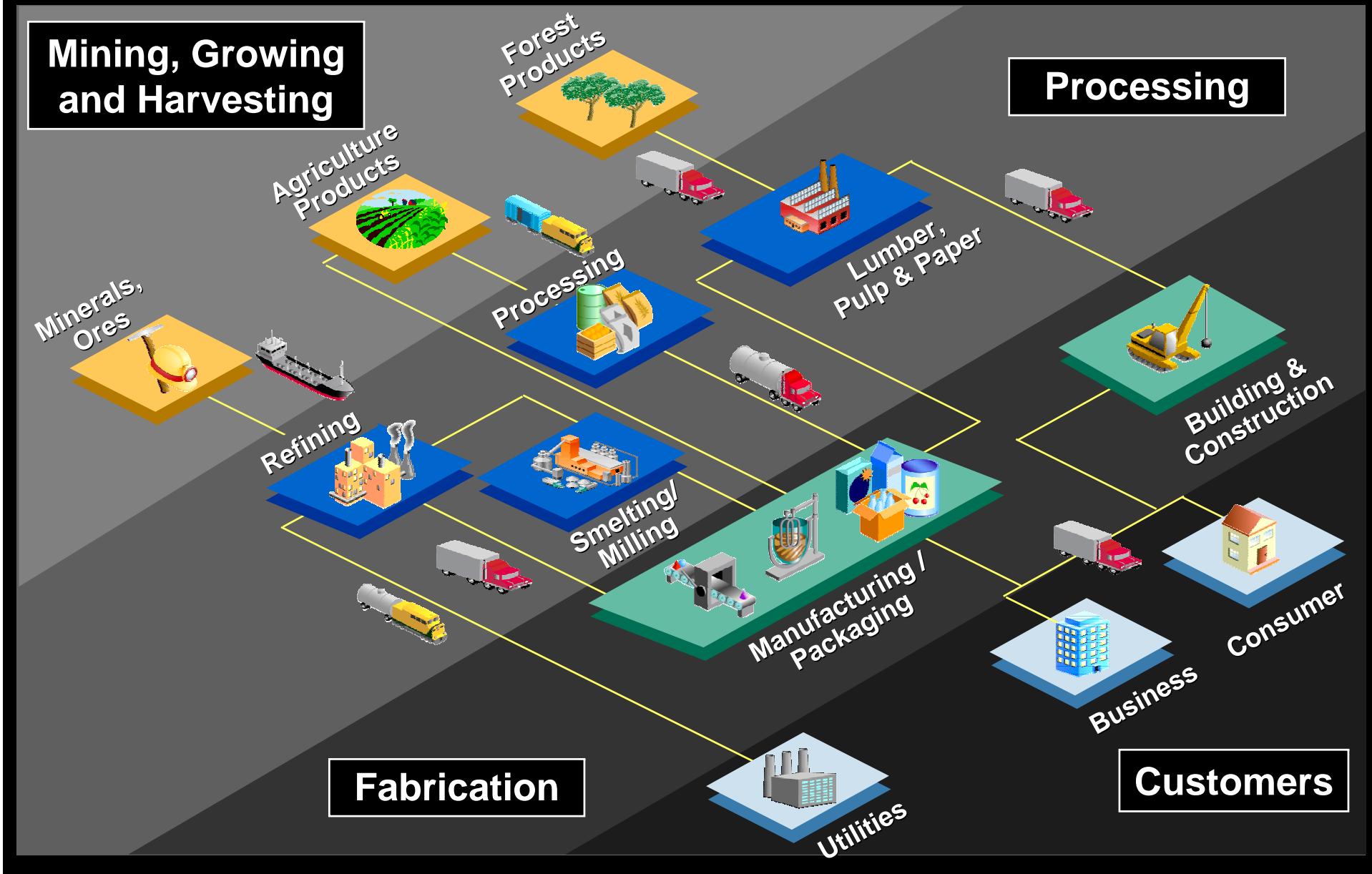


Oracle Industry Solutions

Natural Resources

Information Age Applications

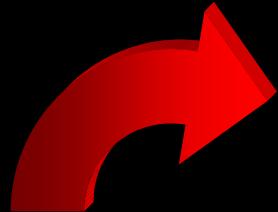
The Natural Resources Value Chain



Industry Drivers

Environmental & Safety Concerns

- How do I efficiently comply with increasingly stringent environmental regulations?
- How can I continually improve asset and worker safety?



Mining,
Growing, &
Harvesting



Processing

Global Competition

- How can I compete with emerging low-cost producers such as China and Russia?
- How do I address cycles of excess industry capacity and supply?



Fabrication

Cost Pressures

- How do I increase margins in a low-growth industry with controlled product pricing?
- How do I increase asset utilization to avoid unnecessary capital expenditures?



Product Proliferation

- How do I effectively produce products to meet unique customer needs?
- What can I do to efficiently manage my increasing number of end products?

A Need for Change

Leading Business Trends

- Connected asset lifecycle management
- Market differentiation via value-added customer service
- Decreased manufacturing cycle time & product traceability
- Increasingly specialized and proprietary products
- Strategic sourcing with procurement automation

Oracle in Natural Resources

Did You Know?

- 14 of the top 20 paper companies run Oracle applications
- 4 of the top 7 steel companies run Oracle applications
- 4 of the top 10 coal mining companies run Oracle applications
- 4 of the top 8 metals mining companies run Oracle applications
- 4 of the top 10 gold and silver mining companies run Oracle applications
- 7 of the top 10 construction materials companies run Oracle applications

What Oracle Customers are Achieving...



- ✓ increased inventory turnover from 8.7 times to 12 times
- ✓ decreased sales/production planning time by 75%



- ✓ reduced order entry time by 50%
- ✓ saves \$425K annually in IT operating & maintenance costs



- ✓ ensured that 60% of orders are delivered within 7 days
- ✓ reduced cycle times from weeks to hours



- ✓ implemented 11i at 57 sites with zero customizations
- ✓ implemented requisition-to-pay solution 20% under budget



- ✓ reduced workload in procurement department by 60%
- ✓ optimized flow of materials & finished goods between 29 warehouses

What Oracle Customers are Saying...



Duferco “With Oracle in place, our management now has a much better view of the company. We only need to enter information once and can then easily monitor and keep track of everything we do.”

-- Roberto Albert, Treasurer



CORRUGATED SERVICES LP “We initially focused on harnessing the power of Oracle’s ERP applications to establish the infrastructure for our e-business solution. Immediately, we started seeing benefits from Oracle’s integrated software -- from production scheduling, to purchasing, to having answers for our customers.”

-- Forest Felvey, CIO



“Oracle gives us the functionality we need to make better decisions about overhaul and replacement of assets, preventive maintenance, and rationalization of spare parts and rotables. By ensuring we have accurate records of maintenance and expenditure on assets, we can determine the condition of assets at any given time.”

-- Warren Maslin, CFO

A Few Customers...



ORACLE

Oracle E-Business Suite

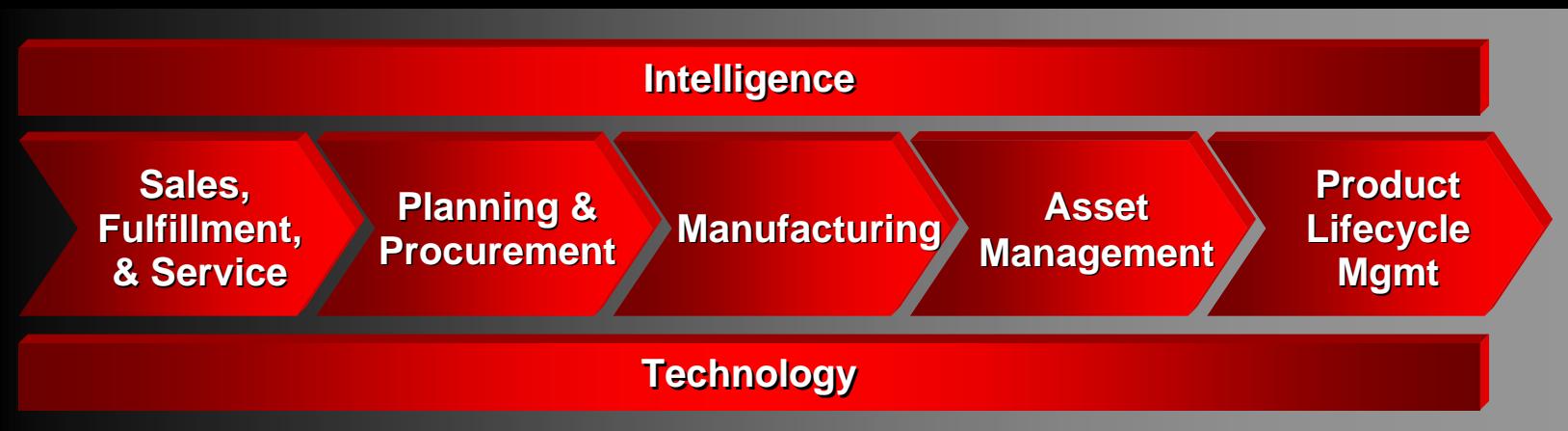
Built on a Unified Information Architecture



- Common data model enables a single source of truth
- Comprehensive suite of applications designed to work together
- Robust set of integration services based on open standards
- Modular deployment by business flow
- Single global instance implementations

Tailored to the Natural Resources Industry

Support for Key Processes



	Raw Materials					
Raw Materials	✓		✓	✓	✓	✓
Mining	✓		✓		✓	
Milled Products	✓		✓	✓	✓	✓

Oracle Natural Resources Solutions



Enable you to:

- ① **Attract and Retain Customers**
- ② **Drive Efficient Planning and Procurement**
- ③ **Optimize Manufacturing Operations**
- ④ **Maximize Asset Utilization**
- ⑤ **Accelerate Product Development**

Foundation: Common Customer Model

Capture All Information in a Single Location



- Contact Information
- Interaction History
- Sales Channel Usage
- Pending Quotes / Orders
- Order & Issue History
- Contract Terms
- Shipment Status
- Payment / Credit History
- Campaign Responses

- Leverage analytics and predictive modeling to target customers more effectively
- Route customers to the right personnel for speedy interactions
 - Enable customers to seamlessly progress from sales to order to delivery
- Increase speed and efficiency of each interaction

Sales Rep Effectiveness

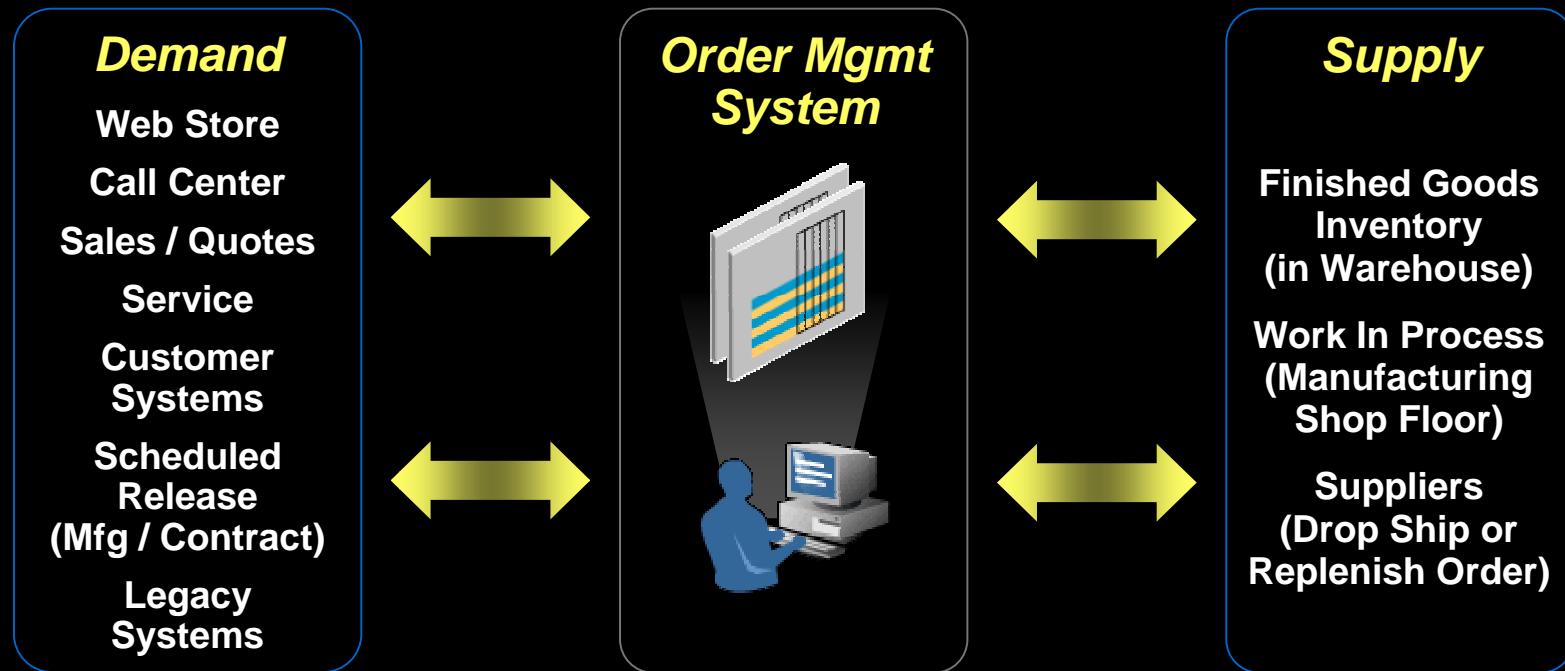
Optimize Selling with Productivity Tools



- Automate routine tasks
 - Manage activities, contacts, calendar, etc.
 - Generate quotes, proposals, & orders
 - Flow documents for approval
 - Create sales contracts
- Deploy best-practice sales methodologies
- Manage territories and align compensation with corporate objectives
 - Automate territory assignments
 - Measure quota and performance
 - Support numerous compensation models (quota based, team compensation, etc.)
- Manage customer info, contacts, opportunities, leads and forecasts
 - Synchronize with disconnected, mobile users

Link Multi-Channel Demand with Supply

Enable Real-Time Order Validation



- Embedded collaboration points throughout order management flow to enable demand analysis
- Seamless communication with suppliers, customers, and carriers/partners
- Optimized flows to ensure order accuracy and on-time deliveries

Order Status & Tracking

Provide Self-Service Access to Anyone, Anywhere

- Enable Browser-Based Order Information Portal for Real-Time Access
- Provide Secure, Intuitive Access to Customers, Trading Partners, and Employees
- Review Sales Order and Delivery Info
 - Customer info
 - Order lines / details
 - Shipping status
 - Billing and payment data

ORACLE

Home Logout Preferences Help

Home Order Status Delivery Customer Service

Printable Page

Order Status >
Sales Order 70463

General		Shipping		Billing	
Customer Name	Business World	Freight Terms	Prepay & Add High Priority	Bill To	San Jose (OPS)
Customer PO	93847	Shipment Priority	View Delivery Summary	San Jose, CA, 95106, US	
Order Date	16-Jun-2004 17:26:37	Delivery Summary	View Line Details	Payment Terms	2/10, Net 30
Need By Date	16-Jun-2004 17:26:37	Delivery Line Details		Price List	Corporate
Booked Date	16-Jun-2004 17:28:52			Total	3,021.72 US dollar
Status	Booked			Pricing Details	View Pricing Details
Quality Plan	View Quality Plan				
Invoice Information	View Invoice Information				

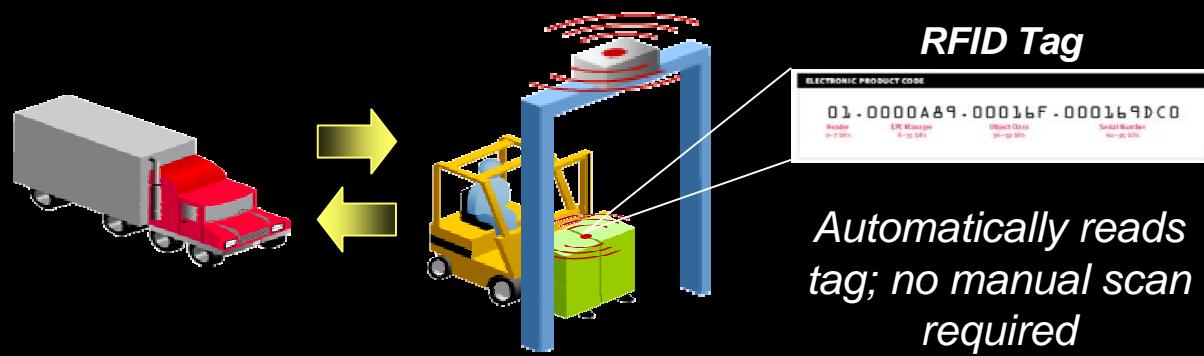
Lines

Line Num	Item	Item Description	Ordered Quantity	UOM	Fulfilled Quantity	Unit Price	Extended Price	Line Type	Status	Delivery Name	Expected Ship Date	Details	Return Request	Line Invoice Detail
1.1	AS18947	Sentinel Deluxe Desktop	1	Ea	1	1,870.55	1,870.55	Standard (Line Invoicing)	Shipped	61487	16-Jun-2004 23:59:00			
2.1	CM31556	Monitor - 19" Flat	1	Ea	1	801.00	801.00	Standard (Line Invoicing)	Shipped	61486	16-Jun-2004 23:59:00			
3.1	CM18761	Ergonomic Keyboard	1	Ea	1	99.00	99.00	Standard (Line Invoicing)	Shipped	61486	16-Jun-2004 23:59:00			
4.1	CM76840	Lightning Inkjet Printer	1	Ea		240.00	240.00	Standard (Line Invoicing)	Awaiting Shipping		16-Jun-2004 23:59:00			

ORACLE

RFID Transactions

Enable Real-Time Status, Reduce Data Capture Costs



Physical movement of tagged material triggers automatic transaction processing (e.g. update order status to “received”)

- **Warehouse management support for order fulfillment tasks**
 - Shipment against external and internal orders inbound & outbound shipments
 - Automatic receipts from ASNs and internal orders
- **Application systems automatically updated with location status so employees & customers have access to real-time order status**

Automated Customer Service Processes

Efficiently React to Customer Issues

Gather Customer Info

- Identify customer & products
- Verify entitlements and value
- Log issue, initiate product return or service request

Resolve

- Leverage knowledge base to fulfill customer issue
- Send replacement equipment or summarize service delivery

Monitor Service Delivery

- Review & manage exceptions
- Modify service execution
- Capture feedback via surveys

Identify &
Verify

Analyze

Resolve
Issue

Close &
Bill

Monitor
Performance

Analyze

- Identify and research issue using scripting, knowledge base, and customer/product info
- Leverage service history to discover resolution

Close-Out

- Price service activity
- Auto process entitlements
- Send invoice & collect payments
- Identify up-sell opportunities

- ✓ Provide differentiated service based on customer and product profile
- ✓ Integrate with web self-service for enhanced functionality

ORACLE®

Oracle Natural Resources Solutions

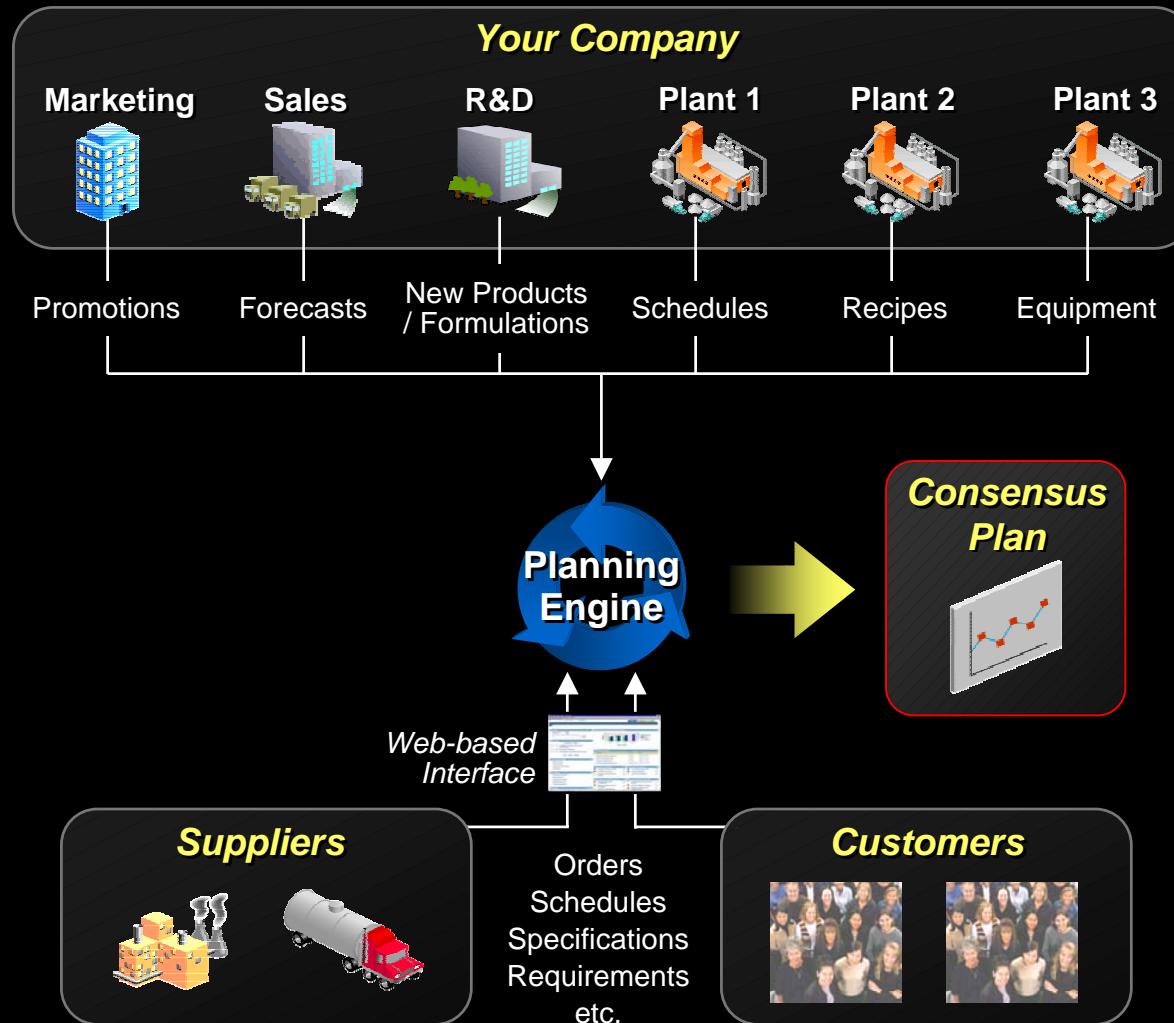


Enable you to:

- ① **Attract and Retain Customers**
- ② **Drive Efficient Planning and Procurement**
- ③ **Optimize Manufacturing Operations**
- ④ **Maximize Asset Utilization**
- ⑤ **Accelerate Product Development**

Collaborative Planning and Scheduling

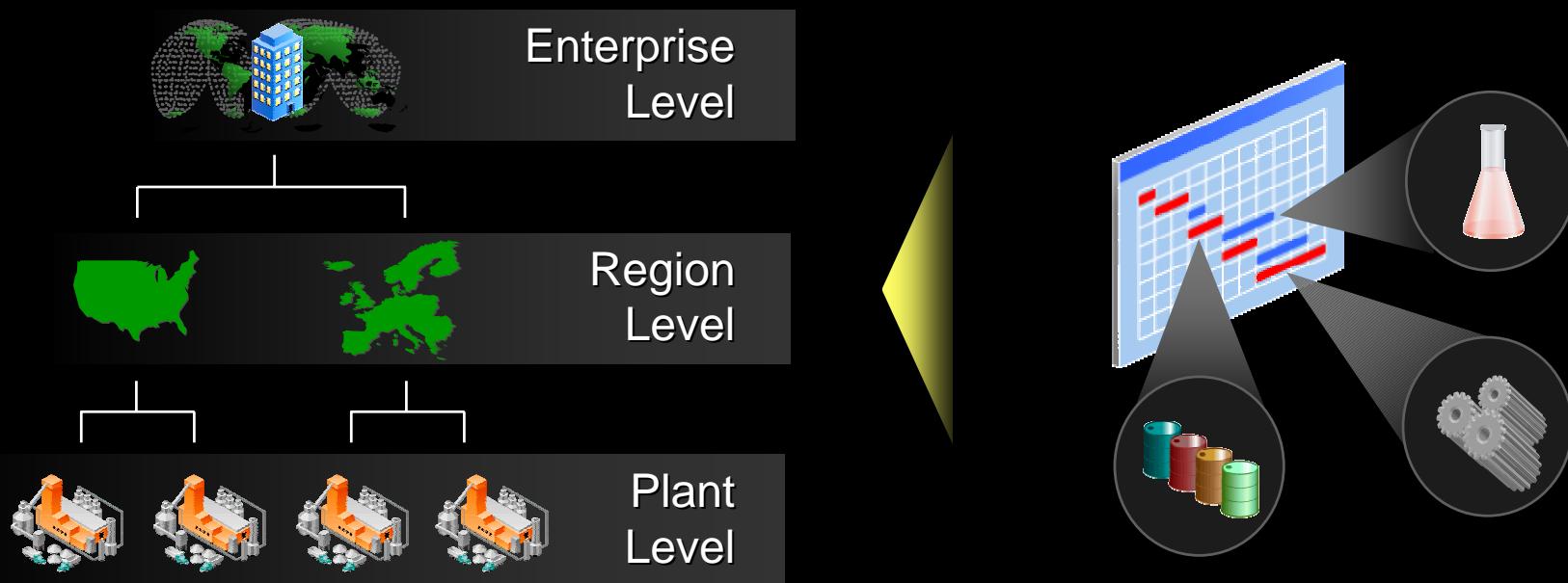
Develop Accurate, Constraint-Based Plans



- Collaborate and plan with trading partners
- Create one plan that includes multiple plants
- Model complex constraints that respect plant-level capabilities
- Support complex, multi-level processes
- Rapidly rerun or reprioritize plans

Collaborative Planning and Scheduling

Optimize Inventory to Meet Demand

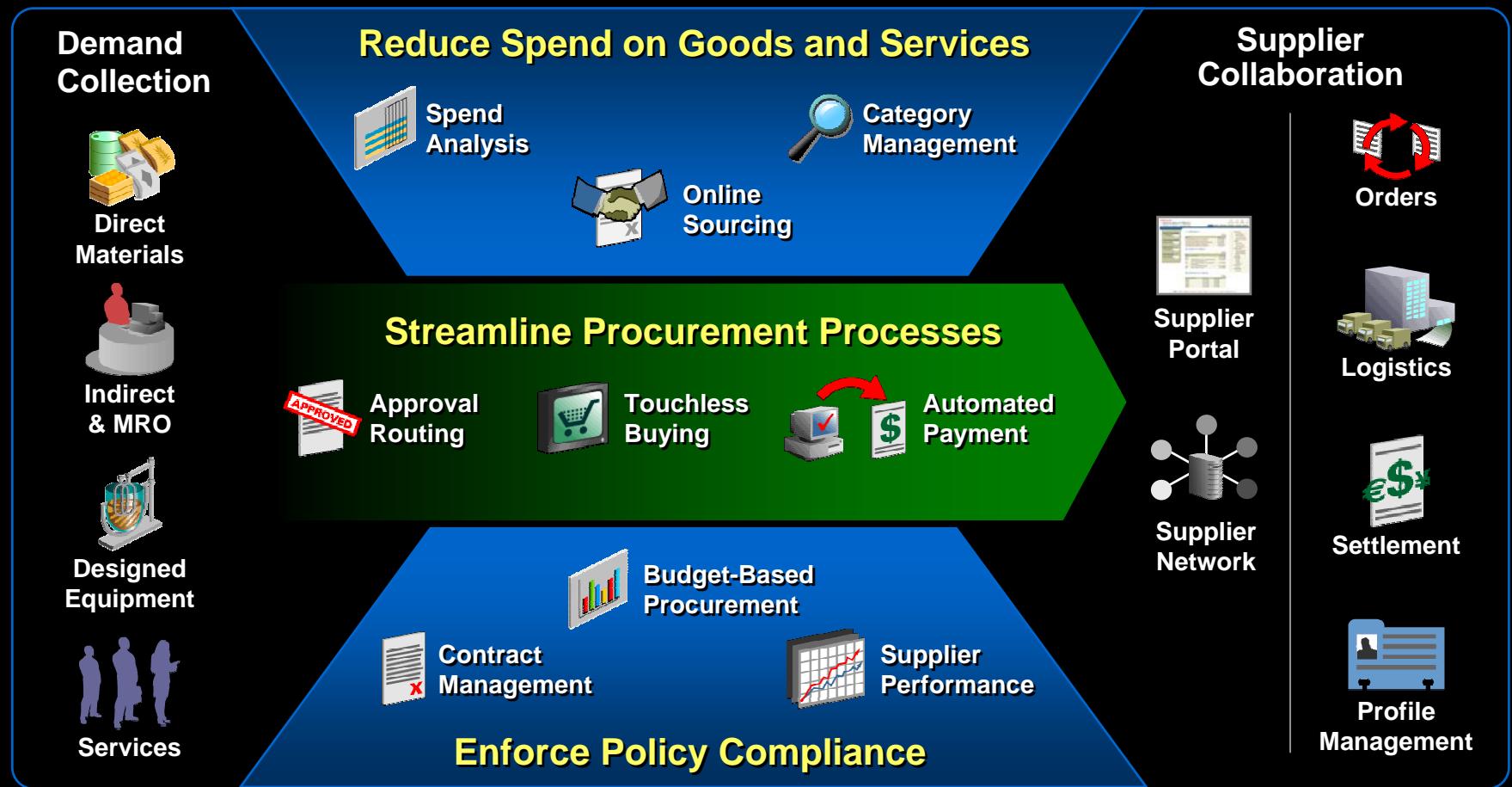


- Leverage current enterprise-wide inventory and quality information
- Perform drag & drop rescheduling and “what-if” simulations

- Optimize inventory and resources across the supply chain in one step
- Automatically monitor shelf-life and issue materials based on FIFO or FEFO

Integrated Procure-to-Pay Workflow

Dramatically Cut All Supply Management Costs



Support Any Negotiation Type, Securely

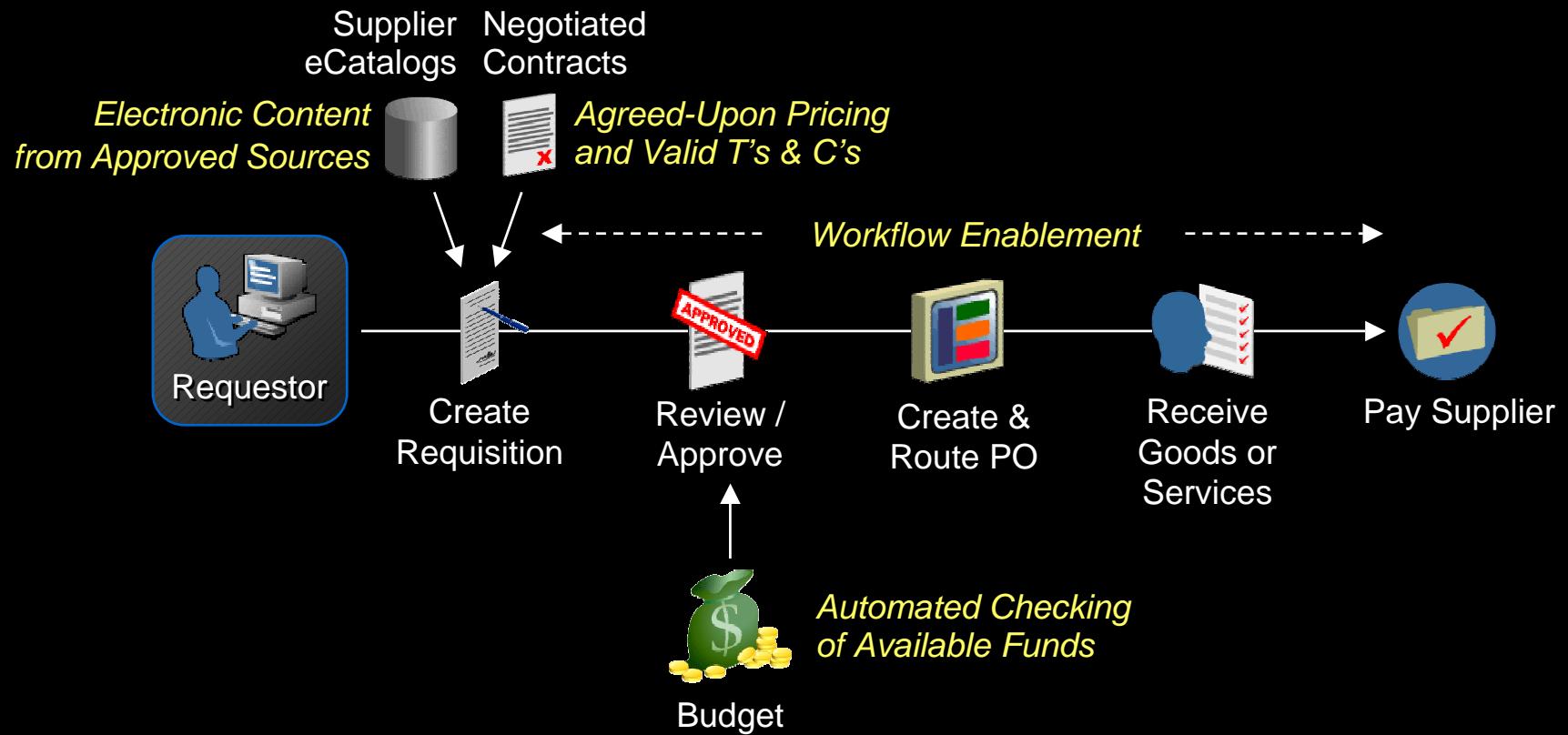
Flexible Methods Address Your Sourcing Strategy

	RFQ / RFP / RFI / Quote	Auction / Bid	Offer / Counter Offer
Good or Service	Complex, Engineer to Order	Well-Defined Attributes	Indirect Items
Example	Equipment, Specialty Ingredients	Commodity Ingredients, MRO Parts	Paper & Pens, Office Equipment
Duration	Days or Weeks	Hours	Varies
Focus	Meet Need for Many Attributes	Best Terms: Price, Delivery	Negotiate Best Price

- Multi-round negotiations with partial bid, minimum, increment, and auto-extend
- Role-specific and document-level access authorities
- Multi-attribute bidding
- Real-time bid monitoring
- Threaded discussions

Automated Procure-to-Pay Execution

Enforce Sourcing and Financial Control



Manage Services Procurement

Control and Automate Services Spend

<i>Goals</i>	<i>Key Enabling Capabilities</i>
Standardize services procurement	<ul style="list-style-type: none">Guide ordering of services using configurable Smart Forms
Enforce sourcing policies	<ul style="list-style-type: none">Search supplier catalogs or “punch-out” to supplier sitesPurchase against contracts or P-cards
Manage spend to budgeted levels	<ul style="list-style-type: none">Track PO status and approve supplier time cardsProactively monitor expenses and budget
Reduce admin costs	<ul style="list-style-type: none">Perform work electronically (e.g. self-billing to reduce invoicing costs)
Improve supplier performance	<ul style="list-style-type: none">Maintain supplier performance repositoryCollaborate w/ suppliers on price, delivery & performance

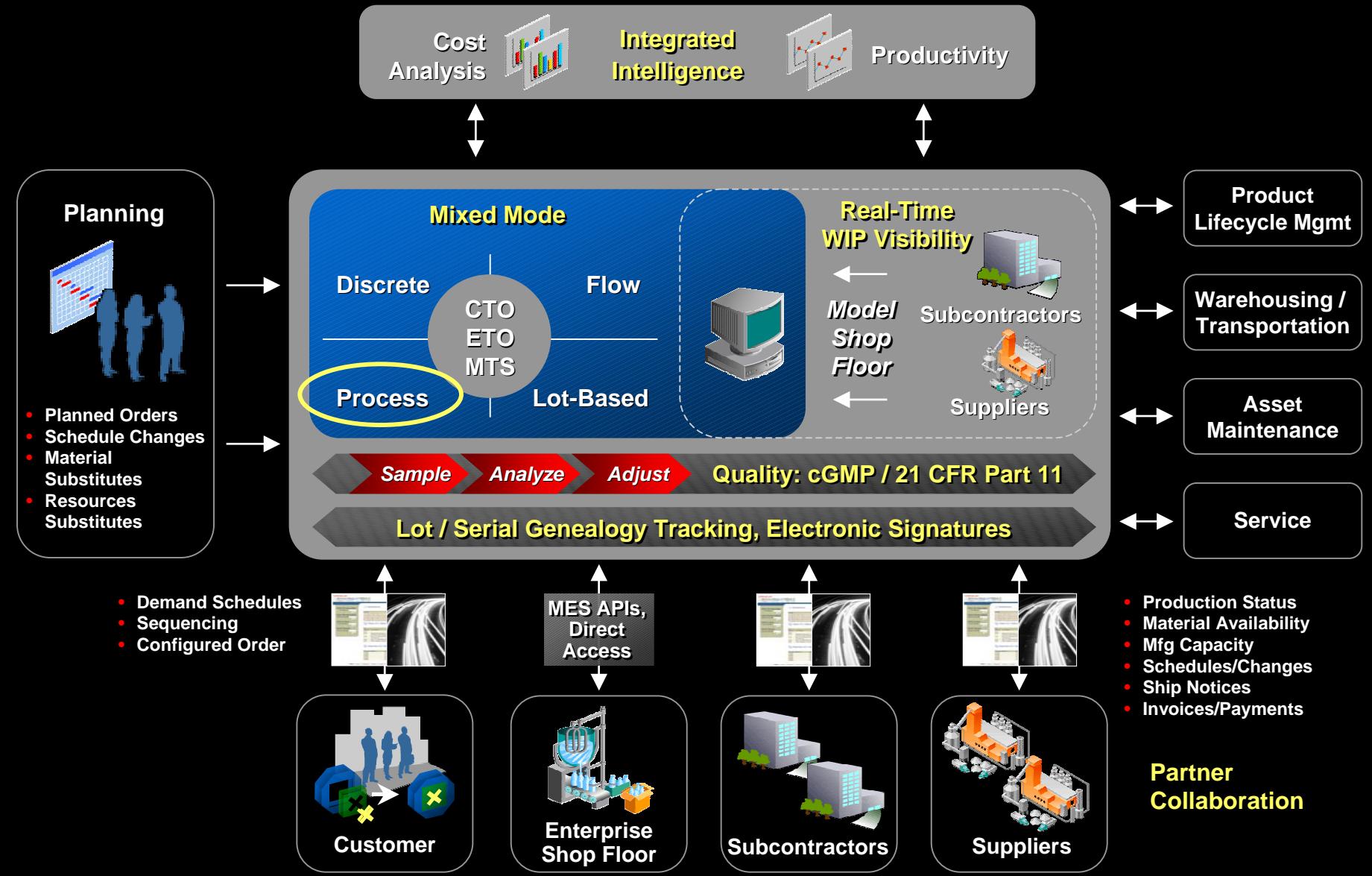
Oracle Natural Resources Solutions



Enable you to:

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- ⑤ Accelerate Product Development

Comprehensive Process Mfg Solution



Quality-Driven Inventory Attributes

Classify Inventory with Precision

Company	ABC Aluminum
Plants	Dallas, Portland, Crestwood, etc.
Materials	Raw Materials, Coils, etc.
Warehouse	Raw Materials, Finished Products, etc.
Product Attributes	Location Area, Rack, Siding, etc.
• Shelf life • Retest interval • Potency • Dual units of measure • User-defined classifications	Lot Traceable Quantity of Material
	Sublot Slab, Pallet, Serial No, etc.
	Grade Grade A,B,C w/in a Spec

Multi-Level Material/Resource Trackability

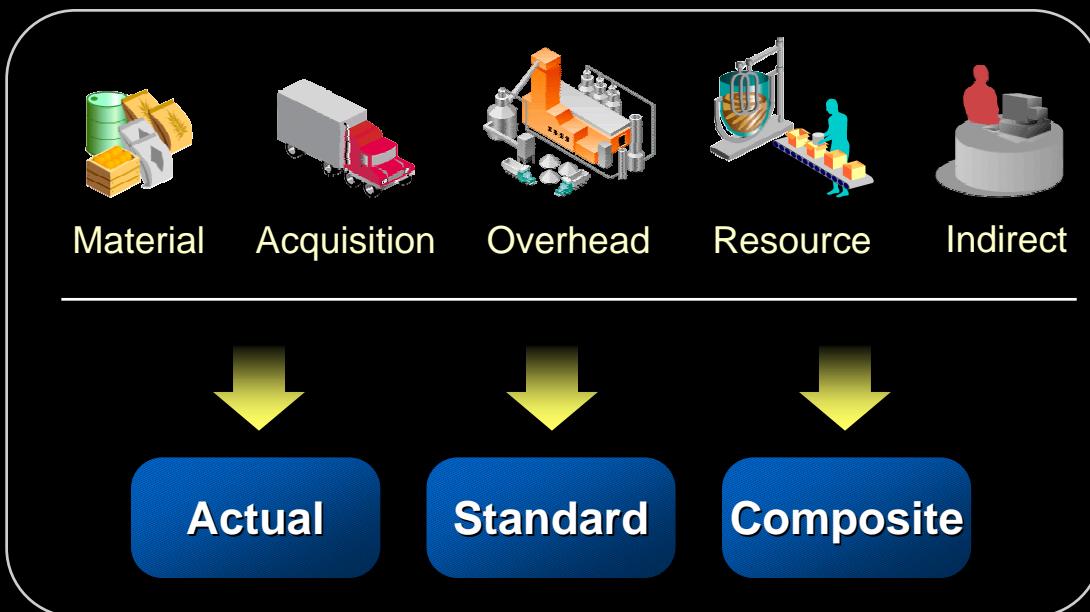
Comply with Stringent Regulatory Requirements



- Improve Recall Responsiveness / Cost
- Trace Materials Enterprise-Wide to Analyze Vendor Quality
- Support ISO 9000 Quality Requirements

Support Multiple Costing Methods

Analyze and Control Product Costs

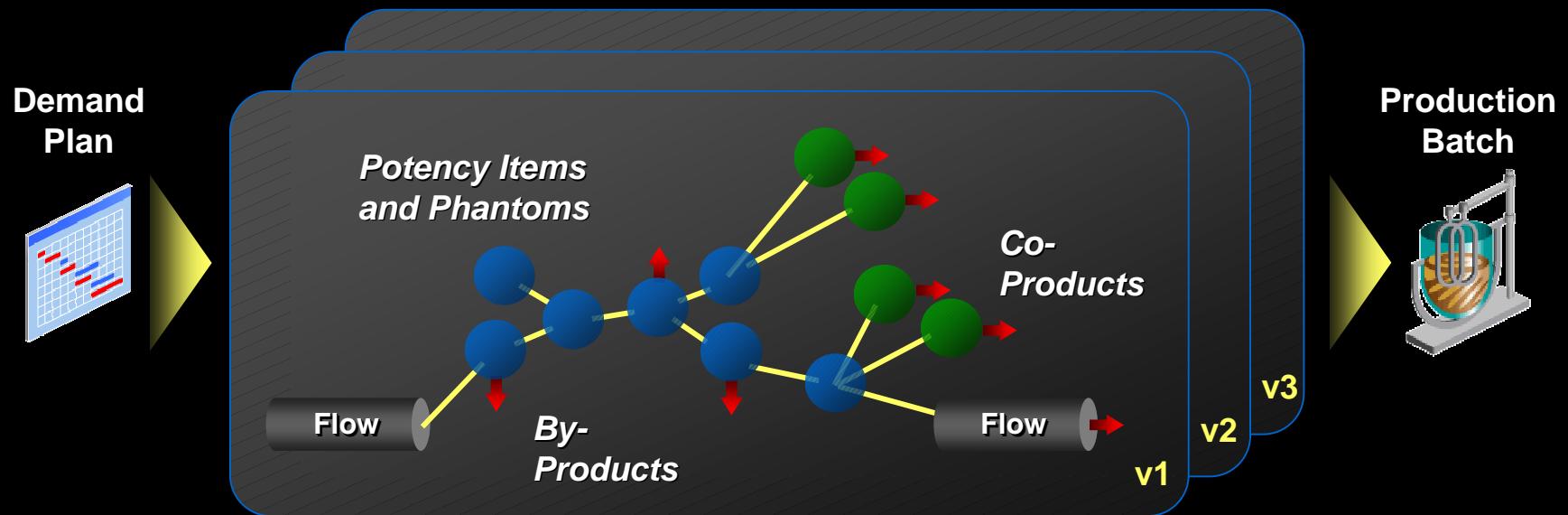


- Measure direct and indirect labor costs
- Capture resource and utility costs
- Include all material costs, (e.g. direct, contract)
- Avoid loss leaders
- Evaluate / compare costs by method
 - Standard vs actual
 - Weighted avg vs budget
 - Composite vs standard



Model Complex Process Flows

Accommodate Material and Process Variability



- Specify multiple recipes for different conditions, preferences or planning needs
- Plan production batches to minimize co- and by-products on a daily basis
- Support fixed and linear scaling (e.g., catalysts / starter cultures, waste)

Oracle Natural Resources Solutions



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Integrated Asset Lifecycle Management

- Asset Locations
- Current Condition / Status
- Potential Productivity Loss
- Current Asset Value
- Lifecycle Expectation
- Anticipated Total Costs

Information Challenges

*Support for
Equipment
and Facilities*



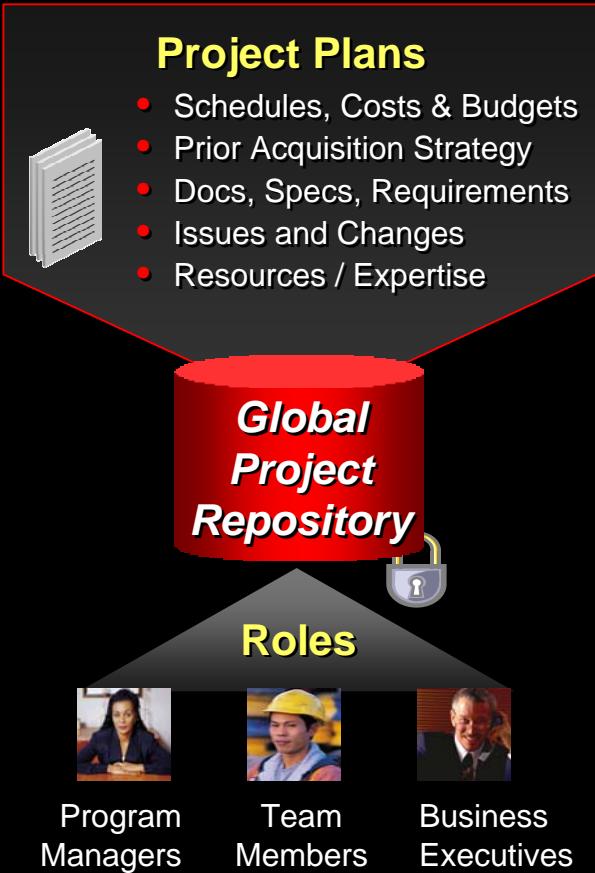
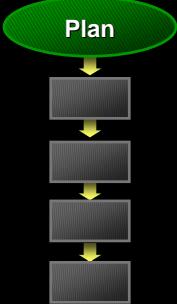
Solution Capabilities

- Assess Current Condition
- Quantify Asset Values
- Manage Usage
- Remediate via Corrective Action
- Report Financial Status

* Coming in a
future release

Plan for Asset Construction

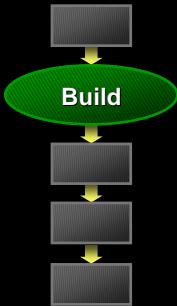
Leverage Historic Project Information



- **Plan Key Aspects of Project**
 - Aggregate all sources of demand
 - Align projects to resources and objectives
 - Create work plan and deliverables
 - Generate budget for resources and work plans
 - Evaluate key performance indicators
- **Consistent Project Information**
 - Information entered once via multiple methods
 - Operational & accounting views by role
 - Attribute-based searches for historic data
- **Secure, Role-Based Access**
 - Functions secured by role on each project
 - Multi-method access (e.g., portal and productivity tools such as MS Project, Excel)

Develop / Build Assets

Project Manage All Asset Activities



- Integrate Sourcing, RFx and Bid Processing
 - Automate paper-based processes
 - Release POs and subcontract agreements
- Optimize Workforce Deployment
 - Integrate skills repository with project requirements
- Collaborate on Design Changes
 - Provide access to real-time information
 - Work collaboratively with all participants
- Capture and Manage Project Costs
 - Incorporate actual or standard costs, overhead, adjustments
- Effectively Manage Issues and Changes
 - Driven by flexible and integrated workflow



Multiple Maintenance Strategies

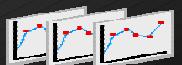
Extend Life of Facilities and Equipment



Condition Based

Condition Monitoring
Temp, Flow Rate, Wear, Vibration, Calibration

System Identification of Limit Violations



Workflow-Driven System Action

- Notify Asset Owner
- Generate Work Order

Planned Usage
Planned Calendar Events, Production Forecast

Maintenance Schedules

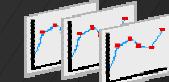


Actual Usage
APIs to Monitoring Systems / Multiple Meters

- Auto-Creates Work
- Seasonal & Alternative Strategies

Estimated Life
Run to Failure, Planned breakdowns

Maintenance Forecast



- Real-Time, Recommended Forecast Based on Plans, Estimates, and Actual Usage
- Dynamic Plan Adjustments

Preventive

Maintenance Request
Equipment Failure, Inspection Readings

Unplanned Maint Scheduling

- Auto or Manual Work Request Approval

Operator Initiated WO Req / Approval

- Notify Asset Owner
- Generate Work Order

Reactive

Define & Track Standard Procedures

Comply with Regulatory and Safety Requirements



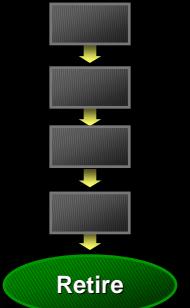
Structured Definition

- **Define SOPs and Required Documentation**
 - Procedures (e.g., safety, hazardous material)
 - Dependent task planning (e.g., Tag out)
 - Specifications / drawings
 - Special handling
- **Manage Work Order Execution**
 - Automatically create audit trail and electronic history
- **Skills Selection**
 - Search and select by technician certifications or competencies

Benefits

- **Equip Technicians to Perform Quality Work, on Time and Within Guidelines**
 - Minimize time to locate required documentation
 - Reduce incident rate
 - Decrease work order errors
 - Ensure optimal repair work
- **Monitor & Audit Compliance**
 - Avoid fines and reduce non-compliance risk
- **Assign Qualified or Certified Technicians to Tasks**

Efficiently Retire or Repurpose Assets



Disposal Process

Inactivate asset



Update fixed asset status to “Retirement,” but allow continued inspections to be logged and tracked

Flag asset as end-of-life



Prevent further postings of further inspections or maintenance

Create disposal work order or project



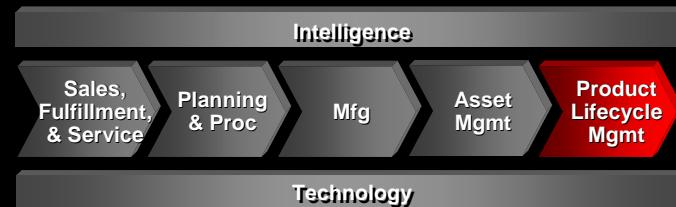
Track work completion and internal / subcontract expenses at desired level in appropriate GL accounts

Sell, decommission, or dismantle asset



Determine residual value from fixed assets for write-off or sale / auction

Oracle Natural Resources Solutions

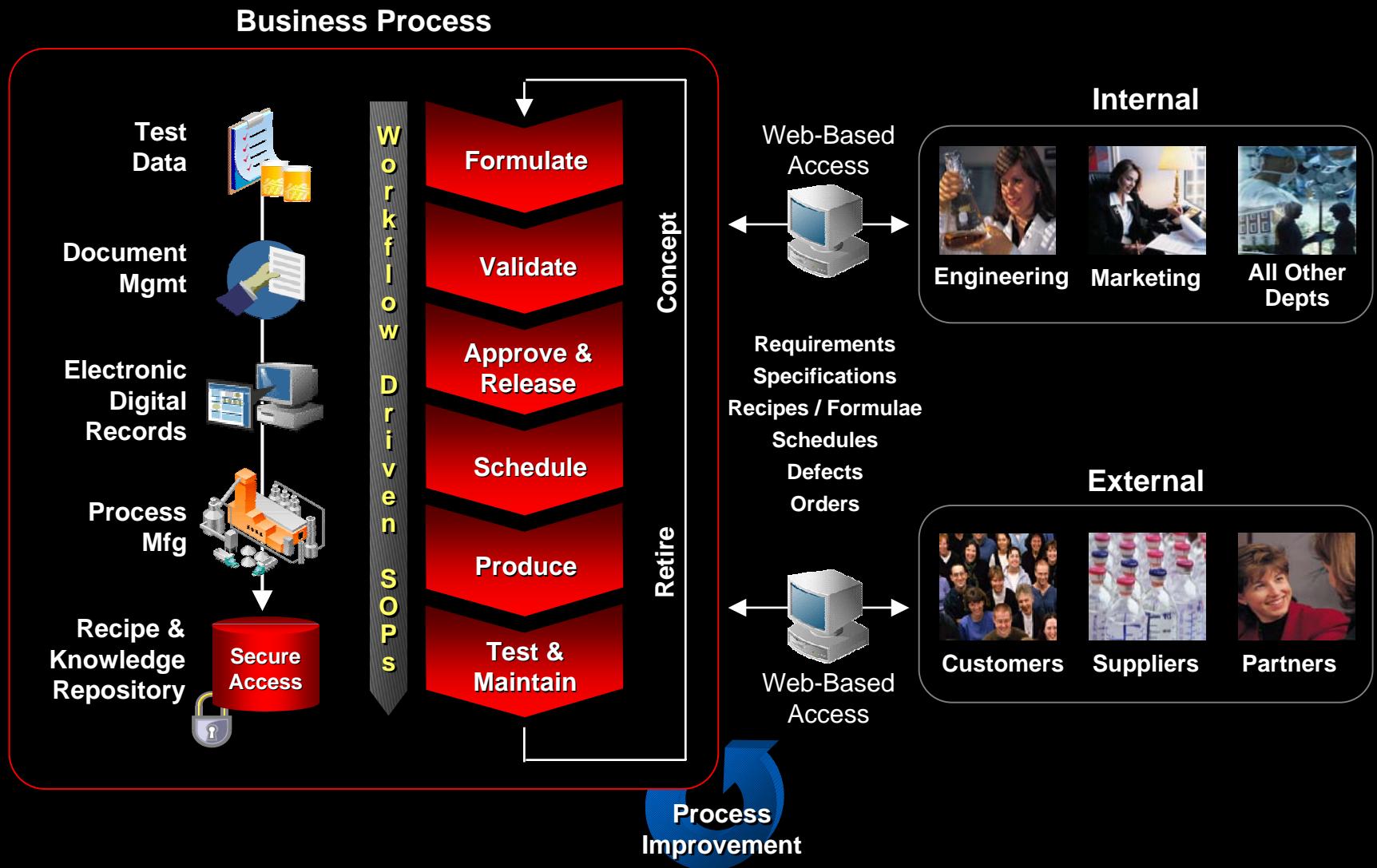


Enable you to:

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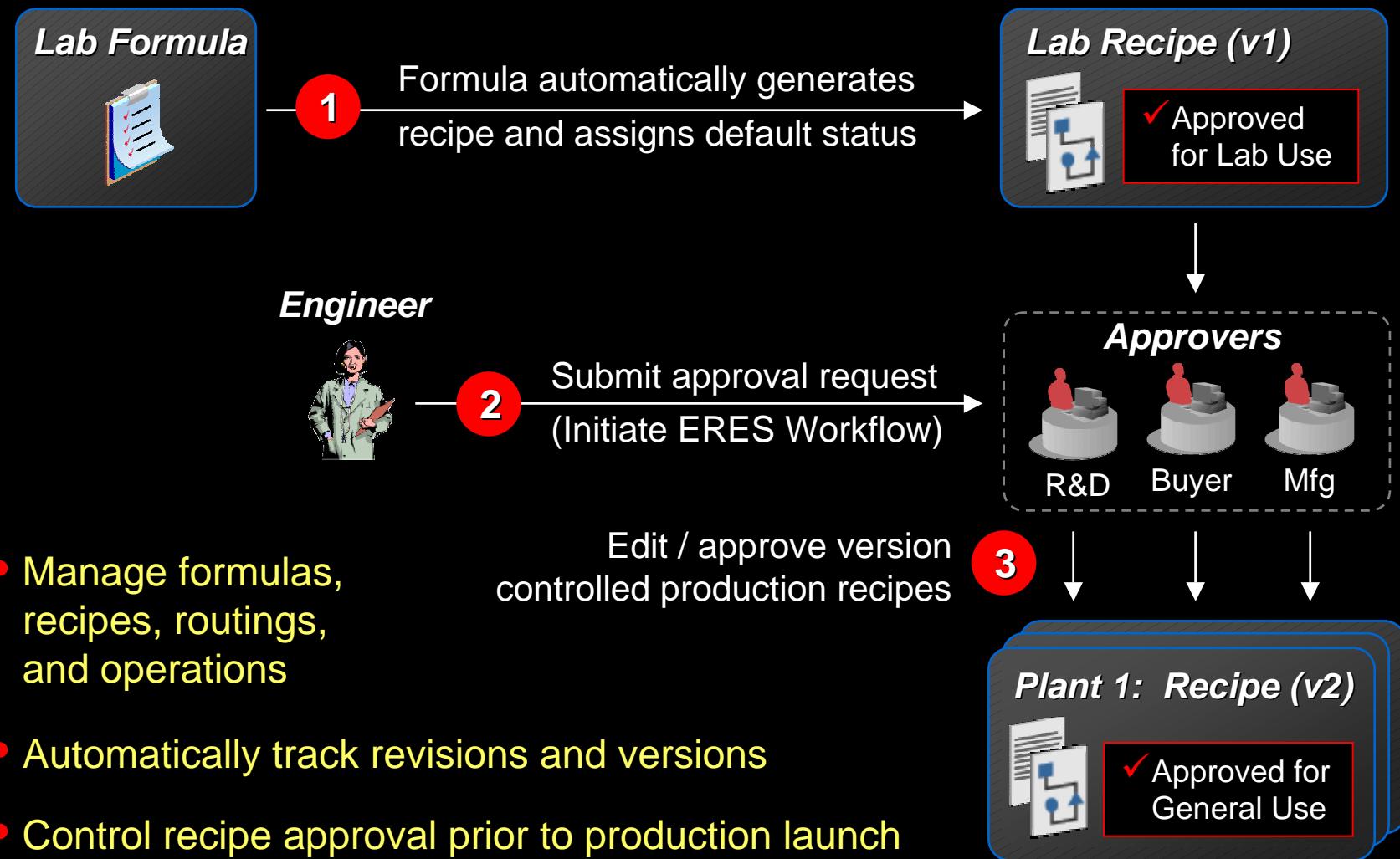
Recipe and Formula Development

Accelerate Innovation



Automated Revision and Status Control

Streamline the Release of New and Revised Formulas



Manage R&D Projects

Enable Real-Time Communication and Updates



- **Assign Task Responsibilities**
- **Provide Visibility into Current Info**
 - Latest published work plan
 - All assigned tasks & overall schedule
 - Impact of changes, dependencies
 - Attached documents
- **Update Anytime, Anywhere**
 - All required information
 - Multi-row update for all tasks
 - Provide estimates (e.g. percent complete, estimate to complete)
 - Raise issues, initiate changes
 - Respond to reminder notifications

*Integrated Throughout
Entire Offering...*

Business Intelligence

and

Corporate Governance

ORACLE®

Deliver Daily Business Intelligence

Real-Time Access to Complete Business Information

What are the project schedule and budget impacts of **design changes**?

How can I best adjust to **planning exceptions**?

How are supplier deliveries impacting my **on-time delivery** capability?

Which carrier can accommodate last-minute **shipment changes**?

How should I allocate **production resources** to meet variable demand?

Manage By...

- **Objective:** Set institutional targets
- **Fact:** Provide performance-based metrics
- **Exception:** Continuously evaluate performance

Business Intelligence: Timely, Accurate, Relevant

The screenshot displays the Oracle Manufacturing Management software interface. At the top, there is a navigation bar with links for Navigator, Home, and Logout. Below the navigation bar, the main content area is divided into several sections:

- Real-Time Results:** A table showing various performance metrics like Forecast Accuracy, Performance to Schedule, Gross Margin, etc., with corresponding bar charts.
- Performance Measures:** A table showing forecast accuracy for different categories like Pinion Gear, Shaft, Crank, Spindle, etc.
- Reports:** A section showing a line graph titled "Percentage of Forecast" for the period from April 2001 to April 2002.
- Flexible Time Periods:** A section showing time period selection options: Week, Month, Quarter, Year, Year/Year, and Sequential.
- Flexible Comparisons:** A section showing comparison options: Day, Week, Month, Quarter, Year, Year/Year, and Sequential.
- Graphs:** A section showing a list of available graphs: Bookings Trend, Bookings, Billing & Shipping Analysis, Returns & Cancellations, Onhand Inventory, WIP Days, and Inventory Analysis.
- Links:** A section showing a list of links: Manufacturing Status, Expense Management, HR Management, Issue to Resolution, Order Management, Order Volume, Campaign to Order, Forecast Summary, Revenue by Customer Analysis, Revenue by Sales Representative Analysis, Revenue by Country Analysis, Order Volume, Order Lines Shipped, Order Fulfillment Analysis, Onhand Inventory Quantity, Backorders by Organization, Cancellations, Bookings Trend, Bookings, Billing & Shipping Analysis, Forecast Error Percentage, Forecast Error Percentage by Demand Class, and Forecast Analysis.

- Daily updates on key performance indicators
- Actionable info on cost savings and incremental revenue opportunities
- Role-based views:
 - Mkt & Sales
 - Order Mgmt
 - Planning
 - Purchasing
 - Mfg & Maintenance
 - Logistics
 - Service
 - Product Mgmt

Corporate Governance

A heightened business focus on accuracy in reporting to investors brought on by recent fraudulent practices of several major corporations

Sarbanes Oxley Act (SOX)

- Senior mgmt personal liability for financial result accuracy
- Senior mgmt and outside auditor attestation to the effectiveness of internal controls
- Accelerated SEC filing deadlines

For all U.S. companies and companies issuing securities in the U.S.

EU Anti-Fraud Directive (Mar 2004)

- Collective Board liability for financial result accuracy
- Senior mgmt and outside auditor attestation to the effectiveness of internal controls
- Select Corporate Governance Code

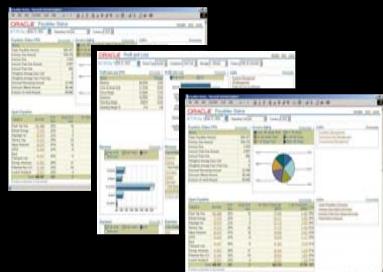
For all E.U. companies and companies issuing securities in Europe

***Oracle Helps Drive Compliance
through **Visibility, Control, and Efficiency*****

Corporate Governance: Visibility, Control, Efficiency

Visibility

- Identify issues early
- Enable real-time information access & performance mgmt
- Consolidate global financials
- Unify corporate reporting



Provide Single Source of the Truth

Control

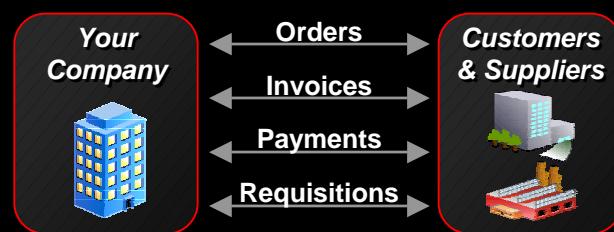
- Integrate and centralize business operations
- Document processes and support compliance
- View, test and certify internal controls
- Manage corporate communications



Centrally Manage Policies and Procedures

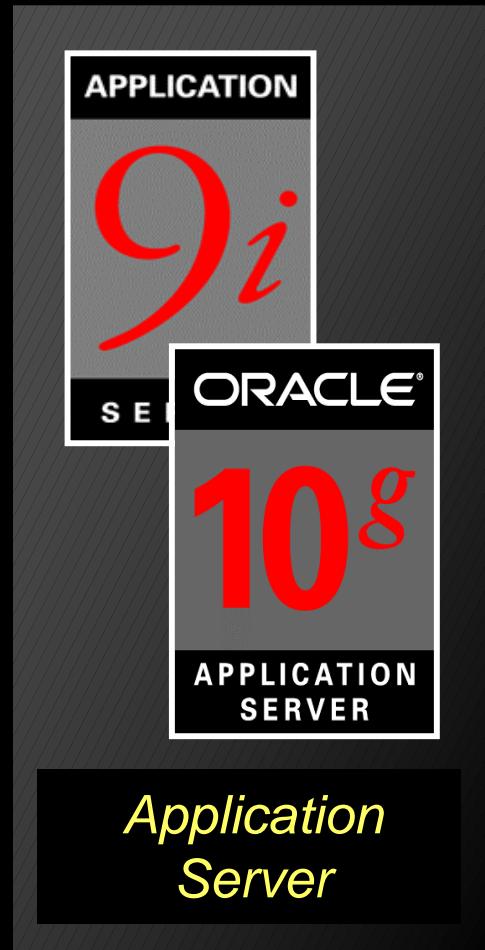
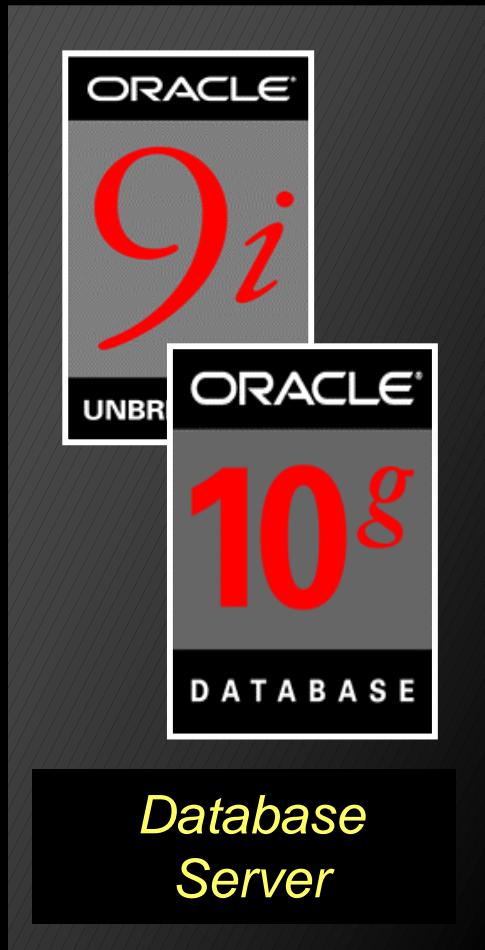
Efficiency

- Consolidate and reconcile information rapidly
- Automate business processes and broaden use of self-service
- Simplify IT infrastructure
- Leverage best practices from different groups / regions



Automate Processes and Extend to Customers & Suppliers

All Built on Leading Technology



ORACLE®

Oracle Natural Resources Solutions

Account sales productivity tools, self-service order status and tracking, comprehensive customer service

Attract and Retain Customers

Collaborative planning & scheduling, automated procure-to-pay workflow including services procurement

Drive Efficient Planning and Procurement

Computer-aided formulation and process modeling, multi-level material and resource tracking

Optimize Manufacturing Operations

Flexible maintenance offering with repair scheduling, self-service work requests, and safety compliance

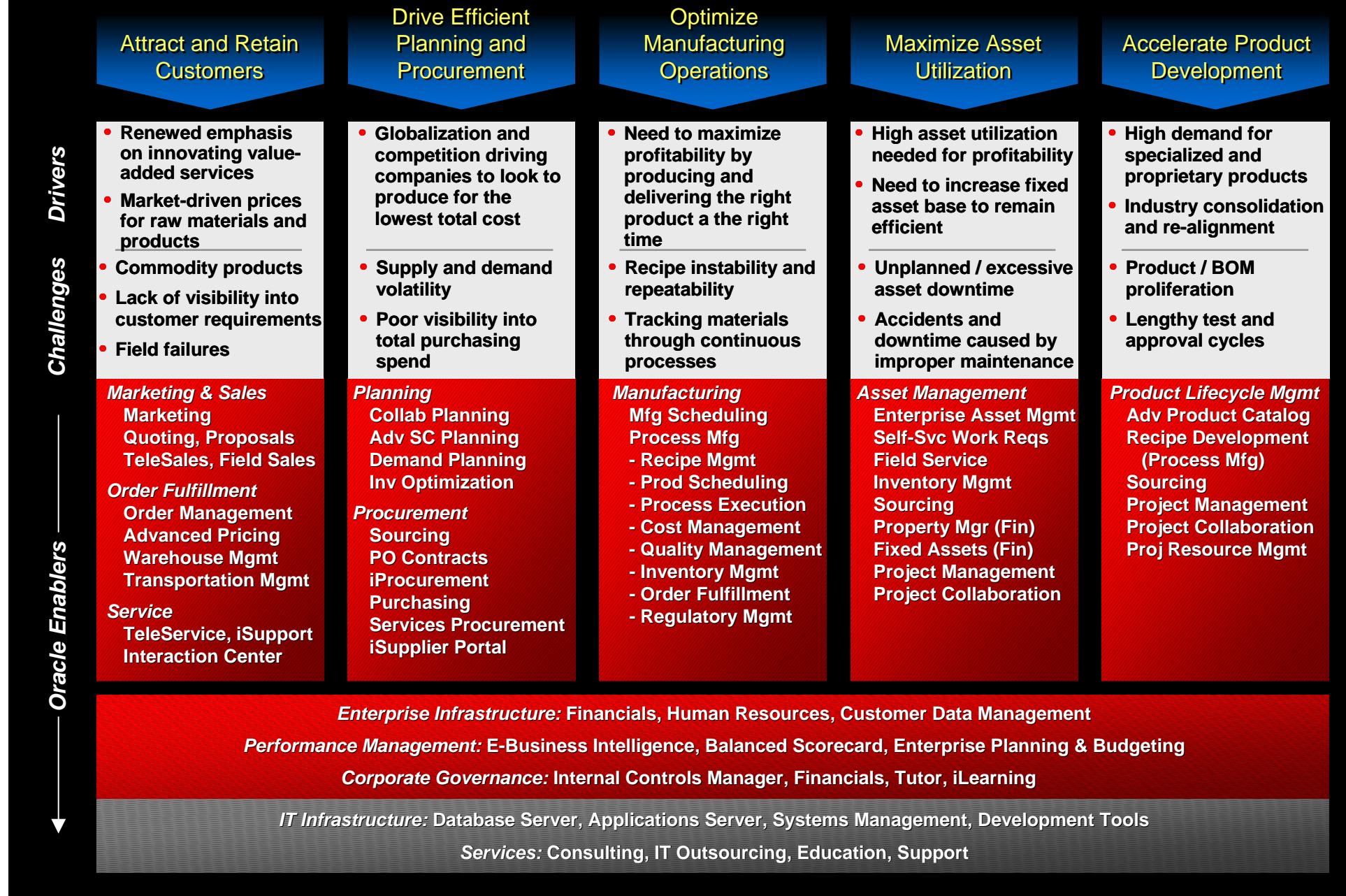
Maximize Asset Utilization

Integrated recipe and formula development with revision / status control, collaborative project mgmt

Accelerate Product Development

...Integrated Business Intelligence & Corporate Governance

Footprint: Natural Resources



Oracle's Natural Resources Capabilities

Evolution of Oracle Applications in Natural Resources

Base Differentiators...

- Product Development for Process Manufacturing
- Project Management
- Inventory Optimization
- Dual Unit of Measure
- Shelf-Life & Status Control
- Shift Level Reporting
- Workflow-Enabled Quality Management
- Lot Traceability
- Skills Database
- Asset Maintenance
- MES Integration APIs

New in 11i.9...

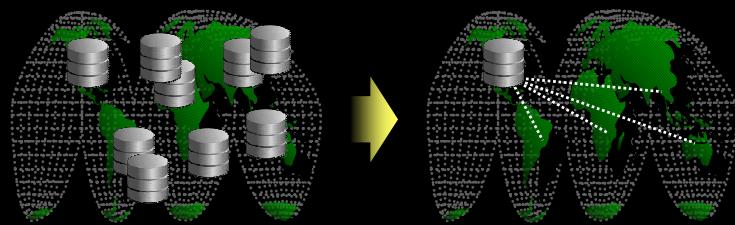
- Advanced Product Catalog
- Product Data Management via Process Parameters
- Collaborative Sourcing
- Enhanced Blanket Orders and Releases
- Validation Procedures
- Quality-Driven Lot Usage and Production Control
- Production Batch Record Keeping System
- Integrated Process Quality Workbench
- Integrated Maintenance and Production Planning
- Self-Service Work Requests

New in 11i.10...

- Procurement Contracts
- Retroactive Pricing in Purchasing
- Multiple Drum Receipt with Automatic Lot Numbering
- Mass Quality Control Result Entry
- Business Account Planning
- Integrated Sales Contracts
- Reserve Manufacturing to Sales Orders
- Transportation Management
- RFID-Based Transactions

Lower Total Cost of Ownership (TCO)

Run on a Single Global Instance



Consolidate Data Centers
and Databases

E-Business On Demand



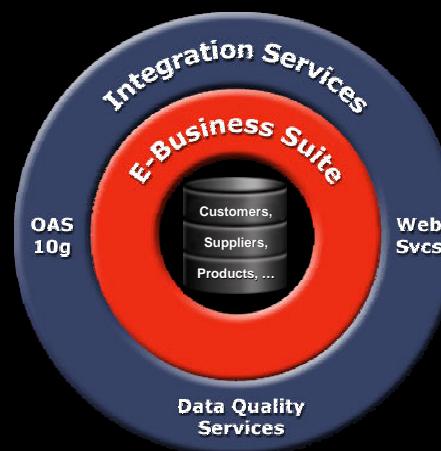
Low Cost Linux Hardware

- 3x Faster, 5x Cheaper
- Easy to Automate en Mass
- Highly Reliable

Oracle's Experience with Linux

Production Midtiers	100% Linux
Production DB	RAC Cluster (Unix)
Demo Environments	100% Linux
Development	100% Linux
Outsourced Customers	70% Linux

Standardized Open Integration Platform



- Business Events Infrastructure
- Industry Standard Protocols
- Centralized Integration Repository

Simplify B2B Integration,
Application Connectivity,
and Process Management

Lower Total Cost of Ownership

Run on a Single Global Instance

Support Global Operations

- 30 Languages
- Multiple Currencies
- Customers in 100+ Countries
- All Languages Installable in Same Unicode Instance
- Support for Statutory and Customary Local Requirements



Customer Case Studies



- World's largest steel manufacturer - based in Korea
 - 50 plants for 76,000 hot and cold-rolled steel products
- Live on 11i -- single global instance
 - 7,500 users for Manufacturing, Order Management, Planning, iProcurement, Purchasing, CRM, Costing, Financials, HR
 - 30,000 transactional orders/day, 50,000 work orders/day
 - Over 1 million daily inventory and WIP transactions
 - Saves \$120M annually with Oracle solution
 - Reduced customer inventory days by 20%, from 30 to 24
 - Increased on-time deliveries from 83% to 95%
 - Shortened new product development cycle by 63%

- ✓ **Increased inventory turnover from 8.7 times to 12 times**
- ✓ **Reduced delivery lead times 53%, from 30 days to 14 days**
- ✓ **Decreased sales/production planning time by 75%**



- \$23B world's leading producer of aluminum
 - Includes discrete and process manufacturing, mining and utility operations
 - 39 countries, 350 manufacturing plants, 127K employees
- Live on 11*i* at 57 sites
 - Discrete & Process Manufacturing, Order Mgmt, Configurator, iProcurement, Supply Chain Planning, Financials, HR, Enterprise Asset Mgmt, Project Costing
 - No customizations, 96 days for initial implementations
 - Design partner for Enterprise Asset Management
 - 10K users performing 55K concurrent requests per day
- Requisition-to-pay business flow
 - Purchasing, Inventory, Project Costing, Financials (AP, GL)
 - 12-week deployment completed at 47 sites (single instance) in 6 months; 200 planned for next year
 - Also implementing order-to-cash business flow (25 sites live), Enterprise Asset Management (7 sites live) and Human Resources



- **Realized Business Benefits**
 - Implemented requisition-to-pay solution 20% below projected cost
 - Eliminated 43 legacy requisition-to-pay and finance systems
 - Reduced accounts payable transaction processing costs by 89%
 - Increased use of online procurement tool by 295%
 - Drastically reduced req-to-pay cycle times
 - Converted more than 10,000 monthly paper check payments to electronic
 - Enabled acquired company to be integrated in 120 days
- **Expected Business Benefits**
 - 25% inventory reduction
 - 15% productivity increase
 - 5% material cost savings
 - 15% cycle time reduction
 - 20% improvement in customer service

- ✓ **11i live at 57 sites with no customizations**
- ✓ **Req-to-Pay solution was implemented 20% under budget**



John I. Haas

- Premier producer of hops products used in beer brewing
 - Maintains global network of farms and plants; based in Washington, DC
- Lives on 11i Order Management, Process Mfg, Financials, On Demand
 - Cut implementation time by 50%, cut cost by 31%
 - Implementing iProcurement, Advanced SC Planning, Internet Expenses, iStore, Financials, Financials & Sales Analyzer, E-Business Intelligence

“The Oracle solution’s tight integration gives us immediate, real-time access to our orders, sales status and inventory and production levels and helps us plan to hit that very specific production target exactly.”

– Alexander Barth, EVP of Supply Chain Mgmt

- ✓ **Reduced order entry time by 50%**
- ✓ **Saves \$425K annually in IT operating & maintenance costs**
- ✓ **Cut monthly closing time by 25%**



- \$200M+ supplier of medium and liner paper for corrugated box manufacturers
 - 280 employees produce 900 tons per day of linerboard
- Live on Oracle 11i
 - Process Manufacturing, Order Management, Purchasing, Business Intelligence, Financials, iStore
 - Web-enabled orders processed for high-speed delivery
 - Measuring on-time deliveries, managing its warehouse, and processing orders with high efficiency

We're building an entirely automated process with Oracle. When we take an order, instead of processing it and shipping it in two to six weeks, it now happens in a matter of hours. In a commodity business like ours, it's customer service like this that distinguishes us from our competition. It's the kind of thing that completely accelerates our lead over everyone else." -- Forest Felvey, CEO

- ✓ **Ensured that 60% of orders are delivered within 7 days**
- ✓ **Reduced order cycle times from weeks to hours while reducing errors**



- Fast growing natural resources company based in New Zealand
 - Core business in mining, marketing, and distributing over 3.3 million tons of coal annually
 - \$100M+ revenues. 500+ employees
- Live on 11i
 - Balanced Scorecard, Financials and Sales Analyzer, Financials, Maintenance Management, Projects, Order Mgmt, Purchasing, iProcurement

“The new Oracle tools give Solid Energy the functionality we need to make better decisions about overhaul and replacement of assets, preventive maintenance routines, and rationalization of spare parts and rotables. By ensuring we have accurate records of maintenance and expenditure on assets, we can determine the condition of assets at any given time and identify a poorly designed plant so it can be redesigned.”

-- Warren Maslin, Chief Financial Officer

- ✓ **Decreased costs by improving asset maintenance & productivity**
- ✓ **Provides managers easy access to comprehensive information**

Oracle Natural Resources Solutions

Attract and Retain Customers

Drive Efficient Planning and Procurement

Optimize Manufacturing Operations

Maximize Asset Utilization

Accelerate Product Development

ORACLE®
Information Age Applications