



ระบบการบริหารการผลิตและการวิเคราะห์ต้นทุน ในอุตสาหกรรมแป้งมันสำปะหลัง

สันศักดิ์ เกียรติสุไพบุลย์
Business Solutions Consultant



Infor Process Solutions สำหรับอุตสาหกรรมแป้งมันสำปะหลัง



► Managing 4 Variables

- Quantity
- Quality
- Timing
- Cost



Infor Process Solutions สำหรับอุตสาหกรรมแป้งมันสำปะหลัง



- ▶ **Enterprise Resource Planning**
 - ▶ Production Management
 - ▶ Quality Management
 - ▶ Cost Management
- ▶ **Supply Chain Solutions**
 - ▶ Advanced Planning & Scheduling
 - ▶ Warehouse Management
 - ▶ Transportation & Logistics Management
 - ▶ Enterprise Asset Management



Infor ERP Adage Production Management

"Harness your most complex processes"



Bulk & Packs

- One bulk order to multi packs
- Defer packing & repack option
- 2 Units of measure

Production Process

- Primary, Co & By Product
- Yield Management
- Resource Planning & Productivity

Real-Time Data Collection

- PLC & SCADA
- Weight Scale
- Barcode & RFID



Infor ERP Adage Quality Management

“Make Quality An Asset”



Integrated Quality

- Lot Status Control
- Test & Specifications
- Certificate of Analysis

Lot Traceability & Online Recall

- Full Backward and Forward

Lot Policy, Shelf Life & Grading

- FIFO, FEFO, Priority
- Lot Characteristics



Cost Variance “Protect Your Profit”



Shop Floor Data Collection (บันทึกข้อมูลการผลิต)

2) Resource Booking

บันทึกการใช้

แรงงาน/เครื่องจักร

1) Material Issue

บันทึกการใช้วัตถุดิบ



**Production
Order**



3) Output Reporting

รายงานผลผลิต

Production Costing (ต้นทุนการผลิต)

Material
วัตถุดิบ

Cost Driver
ใส่หุ้ยต่างๆ

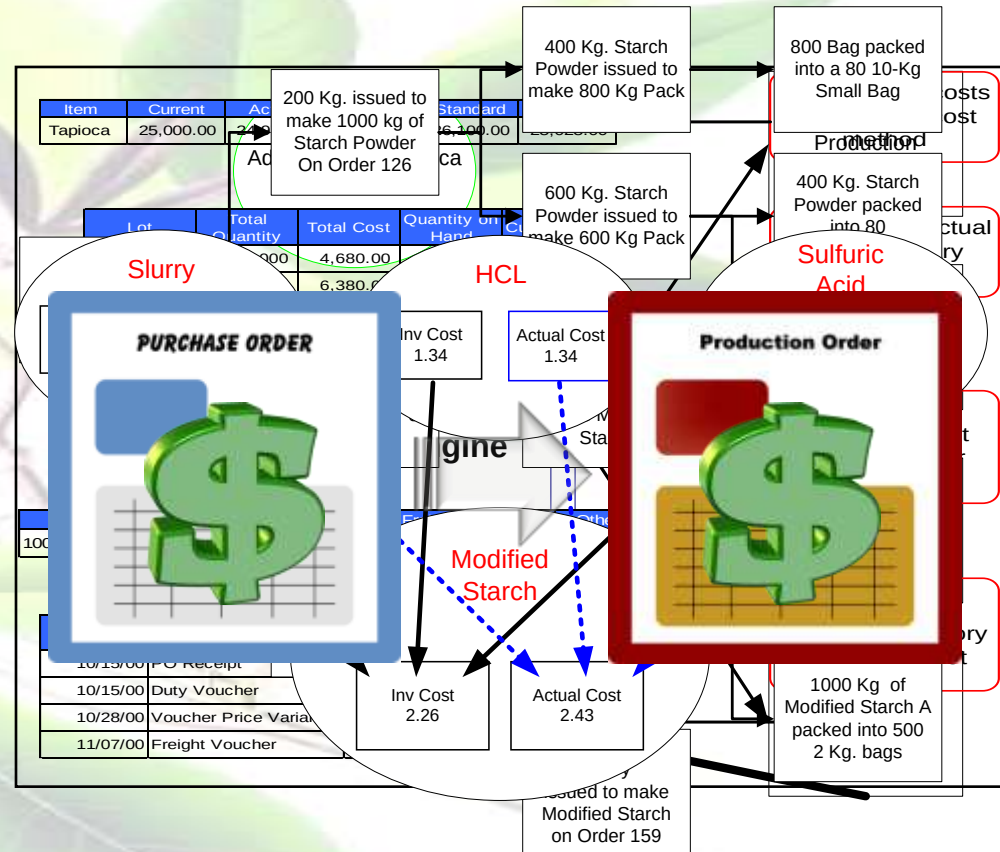
Resource
แรงงาน/เครื่องจักร



Actual Costing “Protect Your Profit”



- ▶ Capture known costs throughout purchasing/production cycle
- ▶ An “engine” to roll post-transaction adjustments through to current disposition (Inventory, WIP, COGS)
- ▶ Separate inventory valuation from capturing actual cost as managerial information
- ▶ Powerful drill-down analysis tool to help you manage by exception

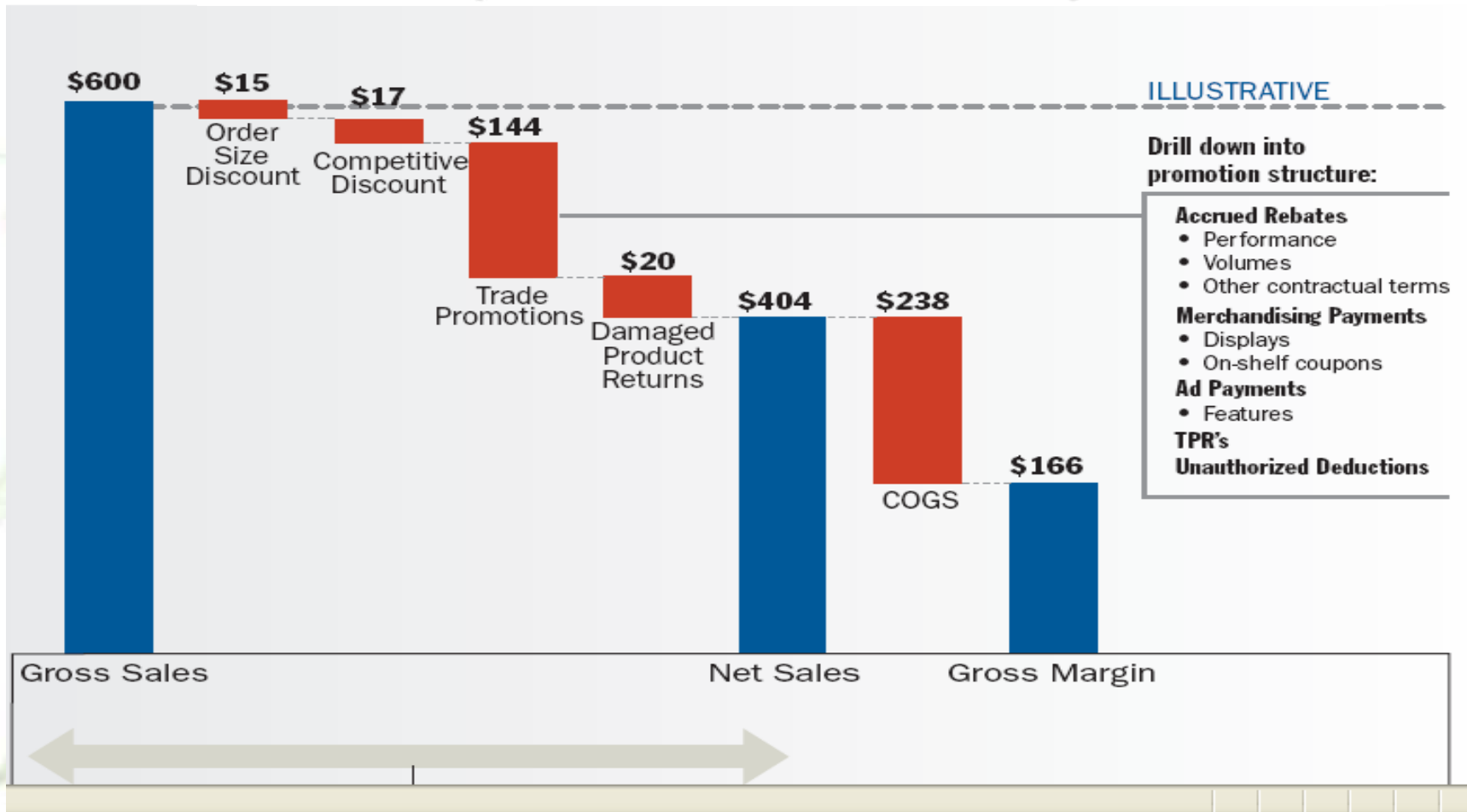


True Profitability Analysis

"Protect Your Profit"



Figure 3 : Price Waterfall Analysis



True Profitability Analysis

"Protect Your Profit"



Figure 4: Customer Profitability Analysis

ILLUSTRATIVE

Drill Down into underlying cost drivers by Area and Activity:

Warehouse/Freight:

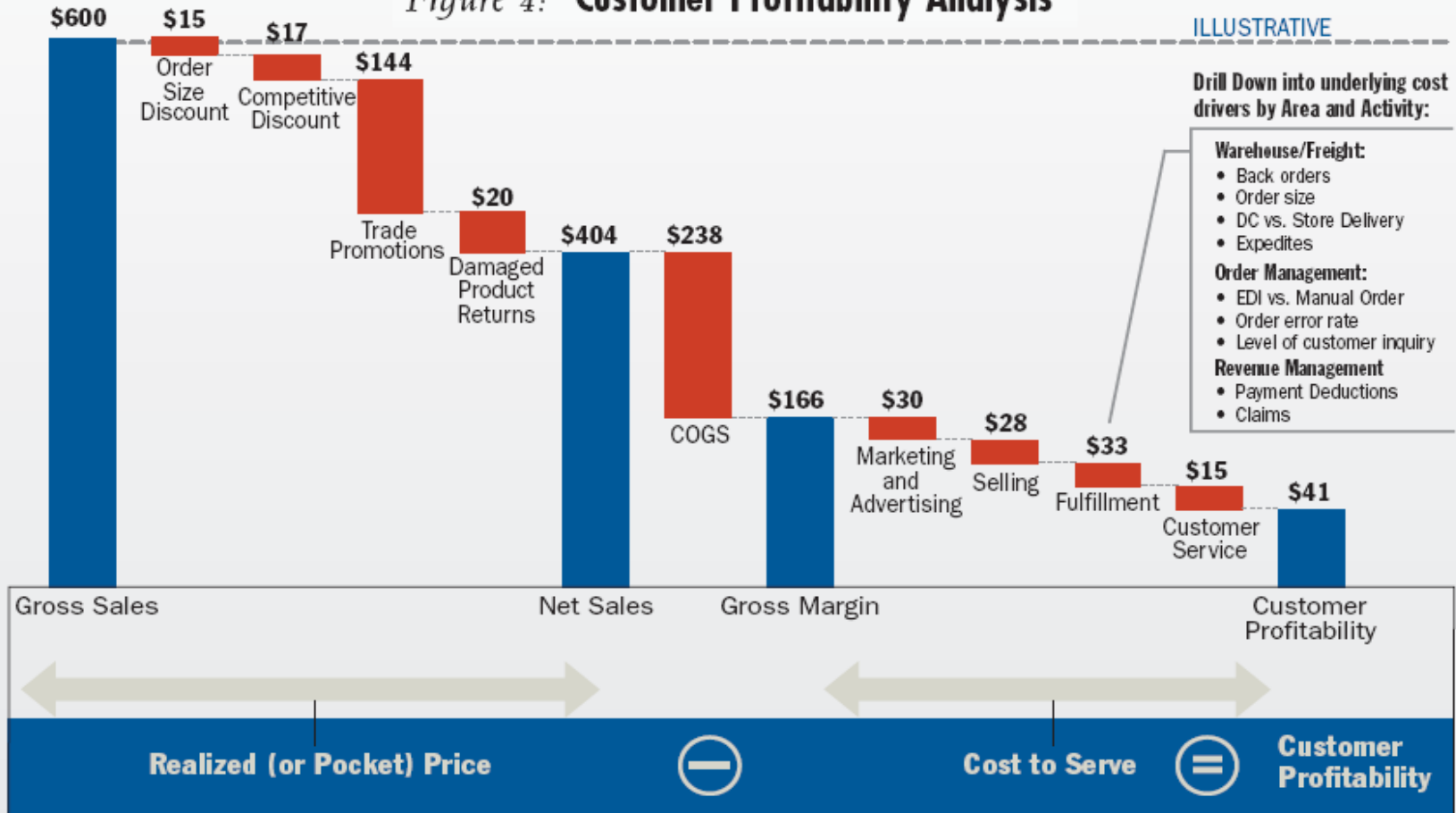
- Back orders
- Order size
- DC vs. Store Delivery
- Expedites

Order Management:

- EDI vs. Manual Order
- Order error rate
- Level of customer inquiry

Revenue Management

- Payment Deductions
- Claims



Infor Supply Chain Management Solution



Infor provides functionally rich software and expertise that solve industry specific challenges across our customers extended supply chains

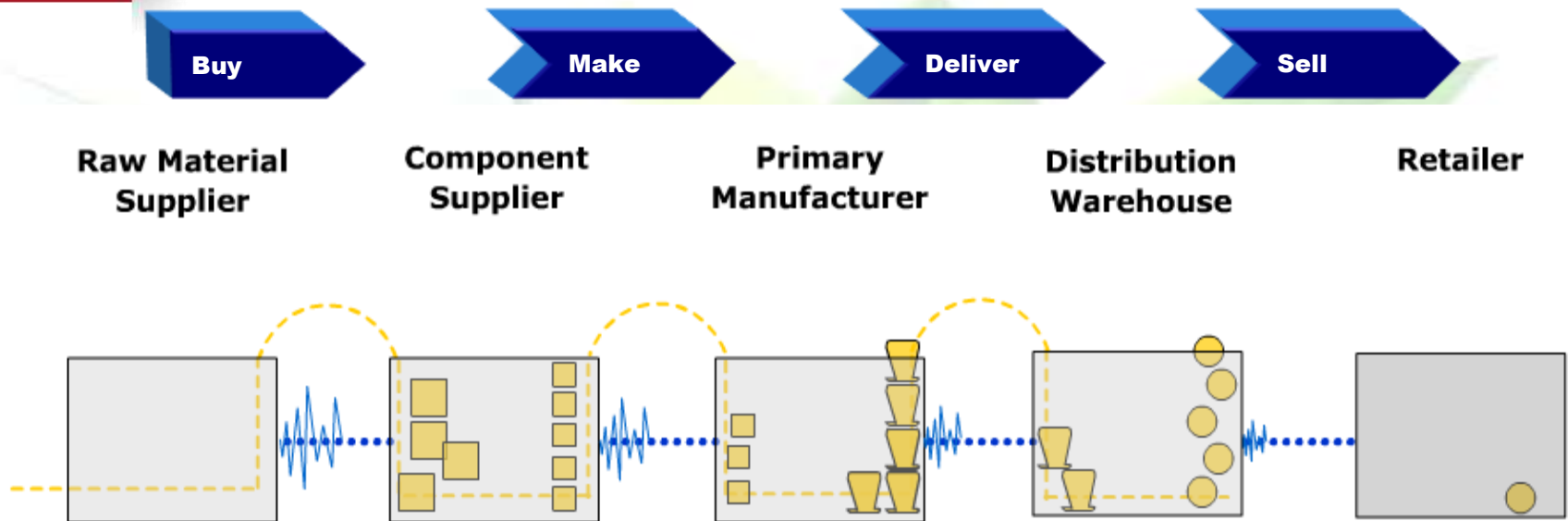
Planning

Warehousing

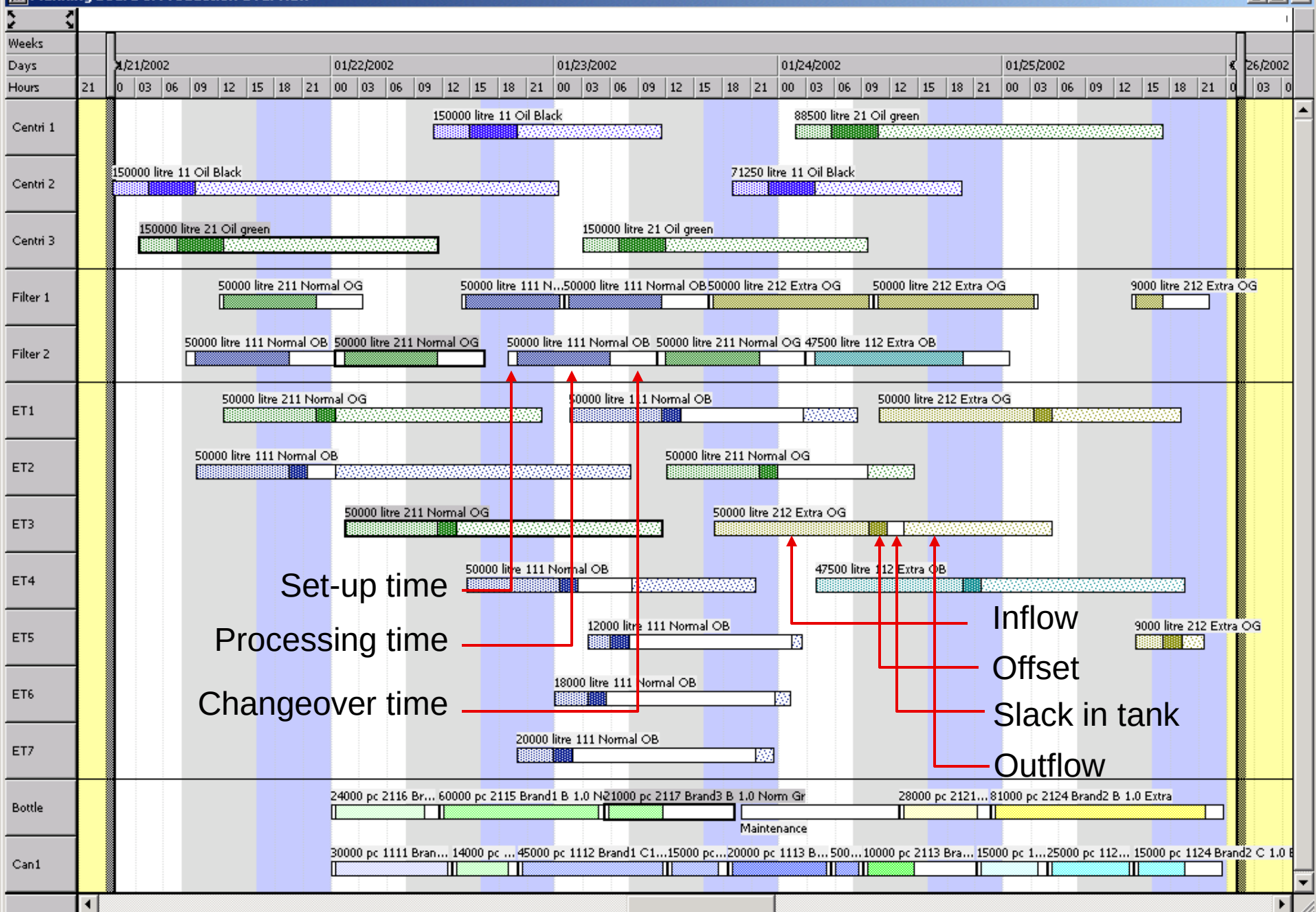
Transportation

Enterprise Resource Planning

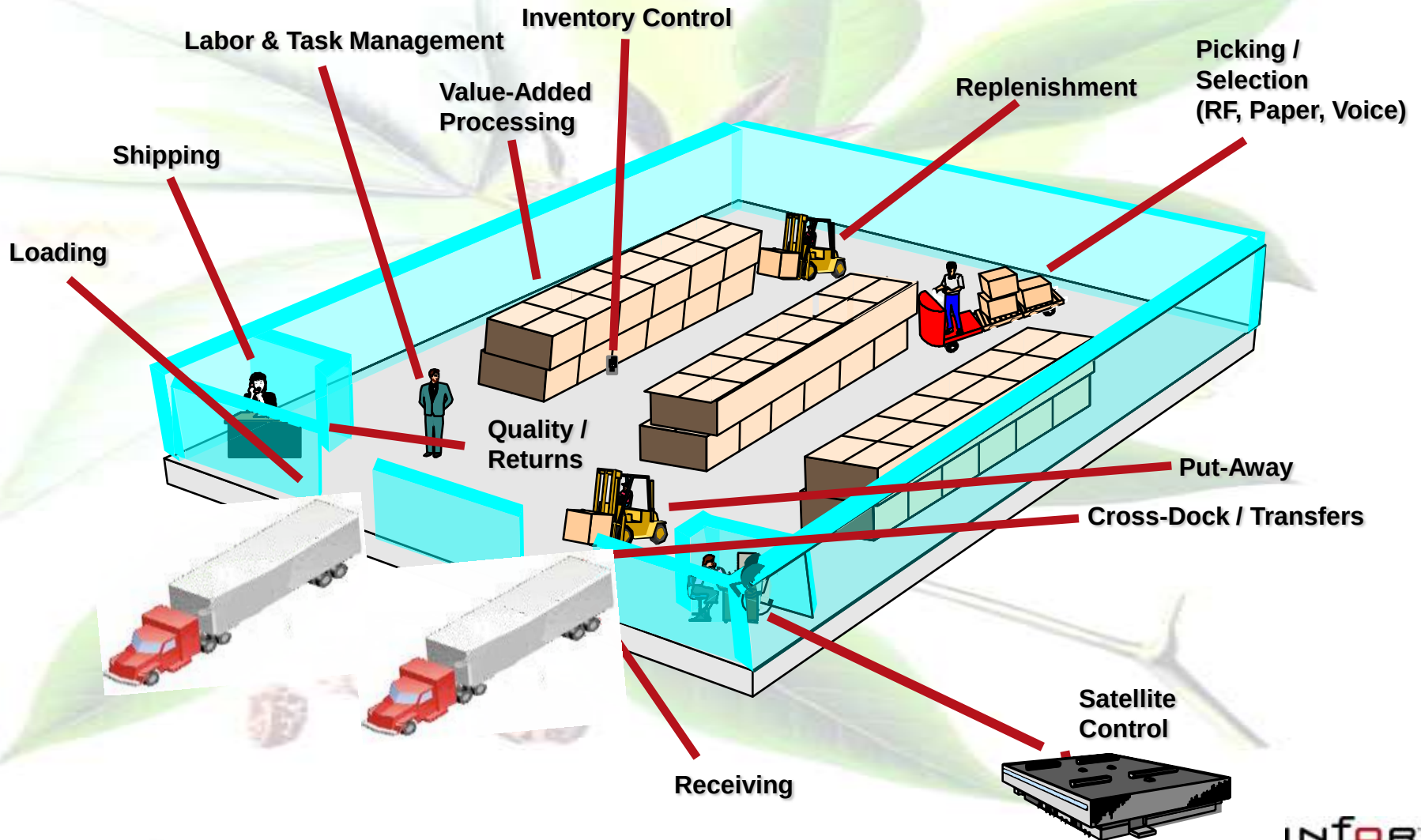
A Seamless Supply Chain Begins With Good Planning



- ▶ Floating Bottlenecks
- ▶ Shelf-Life
- ▶ Recipes, batch sizes, changeovers, etc.
- ▶ Quality of (Raw) Materials, rework, waste
- ▶ Routing Constraints
- ▶ Divergent product structure
- ▶ Growing number of products/plants, complexity
- ▶ Margin pressure
- ▶ Shorter life cycle of products, events & promotions
- ▶ Tank complexities



Warehouse Management Systems



Warehouse Management Benefits



เพิ่มประสิทธิภาพในการจัดการและนำผลกลับไปสู่สิ่งที่ดีขึ้น

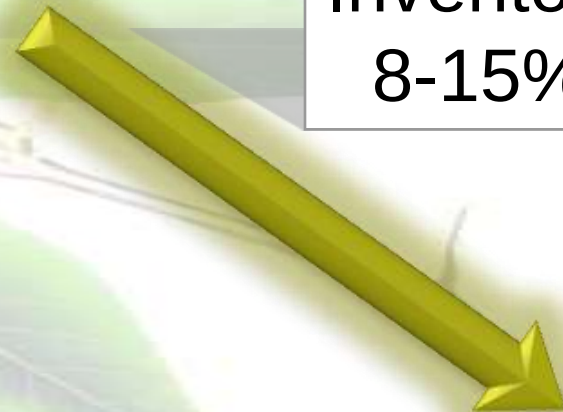
- ▶ การบริการลูกค้าทั่วถึงและดีขึ้น
- ▶ เพิ่มความถูกต้องในการจัดส่งที่ดีขึ้น
- ▶ เพิ่มประสิทธิภาพให้กับบุคลากร
- ▶ เพิ่มความแม่นยำในการจัดการคลังสินค้า
- ▶ ลดปริมาณสินค้าคงคลัง
- ▶ เพิ่มประสิทธิภาพในการจัดการสินค้าคงเหลือ

Do More with Less

Service
2-10%



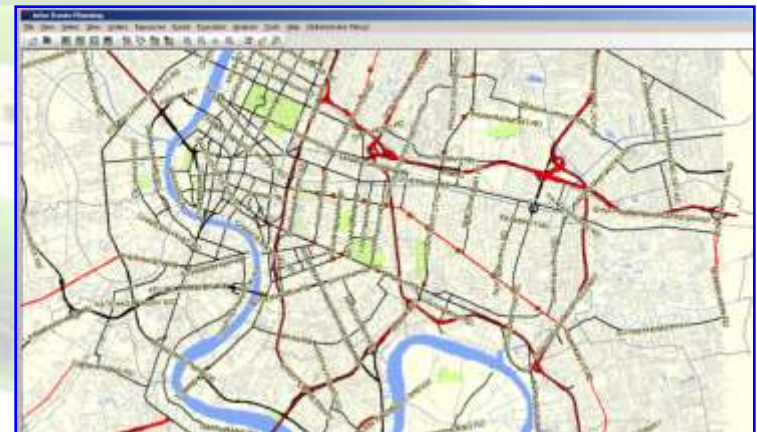
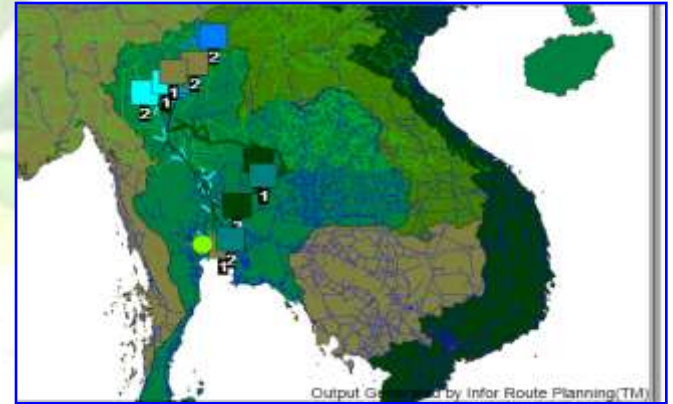
Inventory
8-15%



Transportation & Logistics Route Planning



- ▶ How to meet all customer demand on time while minimizing private/dedicated fleet costs?
- ▶ What orders to put in which truck?
- ▶ What is the optimal number of routes?
- ▶ How to best allocate customers to routes?
- ▶ What is the optimal sequencing and scheduling of routes?
- ▶ How to manage dispatching operations?
- ▶ What is optimal resource assignment?
- ▶ Are there backhaul opportunities?
- ▶ Where are my vehicles in real time?



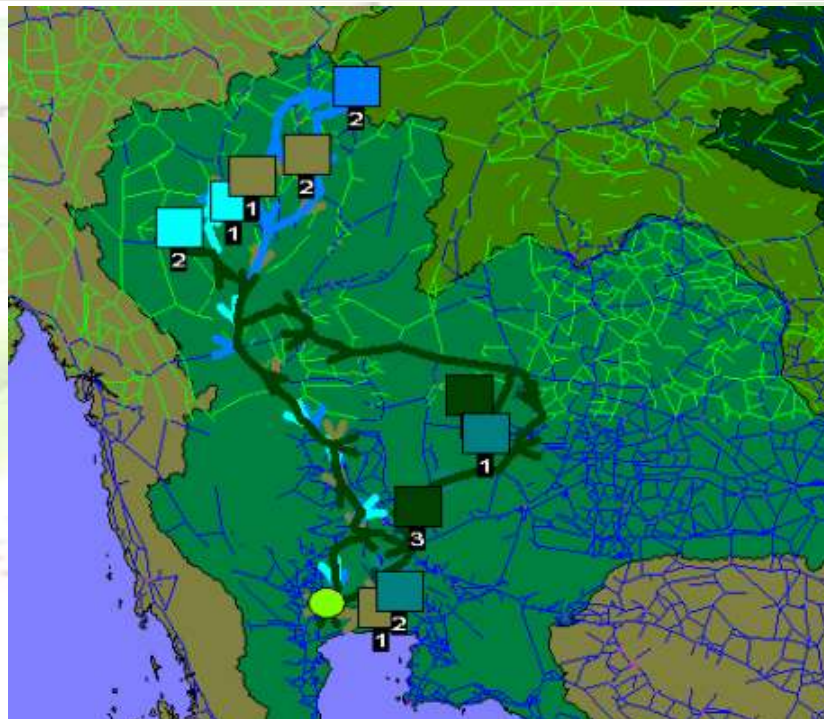
Route Summary: Show on map



VRL30734 - 10

Route Edit View Tools Map Window

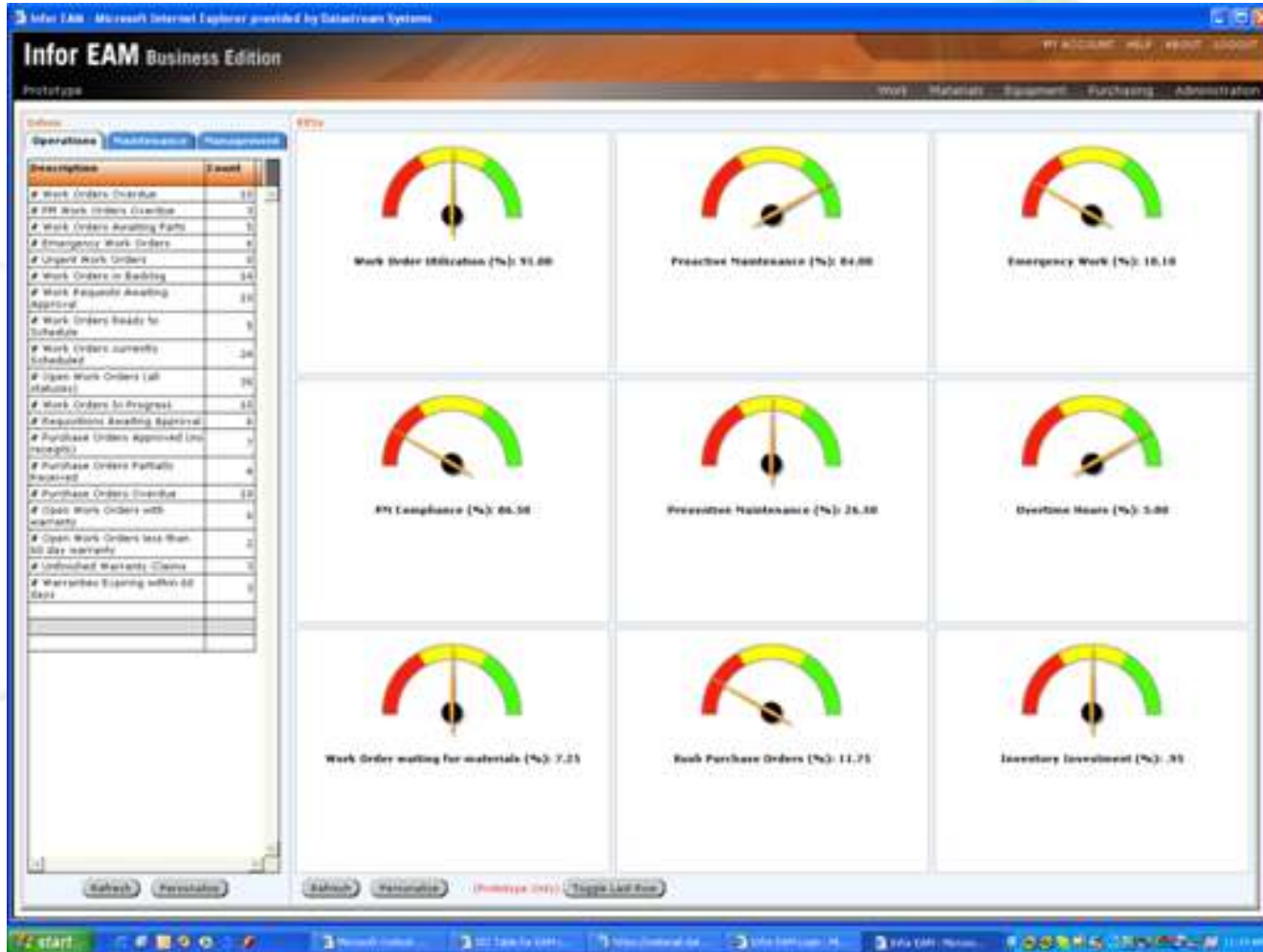
Route	Vehicle	Stops	Start Time	End Time	Peak Volume	Peak Weight	Peak Pallets	Hours	Kilometers	Cost	Total Volume	Total Weight	Total Pallets
R0000018	12FT1		10/9/2008 6:00:01 AM	10/9/2008 5:58:17 PM	47.7	595.0	27.0	27	72.12	\$320.63	47.7	595.0	27.0
R0000019	12FT2		10/9/2008 6:00:01 AM	10/9/2008 3:33:58 PM	41.8	672.0	33.0	33	43.13	\$211.15	41.8	672.0	33.0
R0000020	12FT3		10/9/2008 6:00:01 AM	10/9/2008 5:48:27 PM	36.8	150.0	7.0	7	50.26	\$273.48	51.8	300.0	13.0
R0000021	12FT4		10/9/2008 6:00:01 AM	10/9/2008 1:41:42 PM	32.8	200.0	10.0	10	38.28	\$165.19	32.8	200.0	10.0
R0000022	12FT5		10/9/2008 6:00:01 AM	10/9/2008 5:32:11 PM	41.9	820.0	25.0	25	102.66	\$372.59	41.9	820.0	25.0
R0000023	24FT1		10/9/2008 6:00:01 AM	10/9/2008 5:46:46 PM	56.4	670.0	32.0	32	52.43	\$342.44	56.4	670.0	32.0
R0000024	24FT2		10/9/2008 6:00:01 AM	10/9/2008 1:08:27 PM	29.7	300.0	12.0	12	40.06	\$211.86	29.7	300.0	12.0
R0000026	12FT2		10/9/2008 3:33:59 PM	10/9/2008 5:40:08 PM	1.8	210.0	3.0	3	38.14	\$101.40	1.8	210.0	3.0
R0000030	12FT4		10/9/2008 1:41:43 PM	10/9/2008 5:47:00 PM	11.6	170.0	9.0	9	18.93	\$85.82	11.6	170.0	9.0
R0000033	24FT2		10/9/2008 1:08:28 PM	10/9/2008 5:17:14 PM	12.0	120.0	4.0	4	40.47	\$175.18	12.0	120.0	4.0



Infor Enterprise Asset Management



Infor Enterprise Asset Management





THERE IS A BETTER WAY.

novasia
solutions