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JD Edwards EnterpriseOne Equipment Cost Analysis

Capital Asset Maintenance Challenges

CHALLENGES

- “80% of failures are random” - resulting in emergency work orders which cause unanticipated downtime
- Increased financial pressures on Asset Cost of Ownership
- Software user is evolving
- Aging assets, tighter regulations and emerging standards



CAPABILITIES

- Holistic Maintenance Strategy, balance of:
 - Reactive
 - Preventive
 - Predictive
- Equipment Cost Analysis, Resource Assignments and Crew Scheduling
- Role-based workspace and portals
- Condition-Based Maintenance



VALUE

- Reduced Operating Cost
- Optimized Asset / Equipment Performance
- Regulatory and Standards Compliance
- Profit-Center rather than Cost-Center

JD Edwards EnterpriseOne Capital Asset Management

Single System, Seamless Integration

FINANCIAL

HUMAN CAPITAL

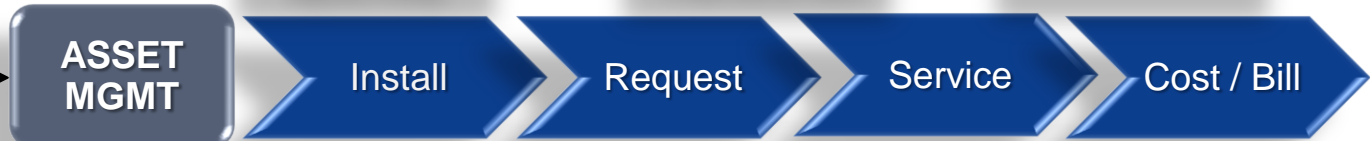
CRM

ASSET MGMT

PROJECT

SUPPLY CHAIN

TOOLS



Capital Asset Management	Equipment Information Management & Billing	Work Order Mgmt and Failure Analysis	Maintenance Planning & Preventive Maint.
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Equipment Cost Analysis	Cost Rollup	Parent/Child Hierarchy (25 levels)	Analyze by Equipment Coding
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Condition Based Maintenance	Inbound Alerts	Investigate, Notify & Schedule Work Order	Alert Action Rules
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Resource Assignments	Crew Scheduling	Resource Assignments	Schedule People, Crews & Equipment
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Fixed Plant



Buildings & Grounds



IT



CAM Supports Multiple Asset Types

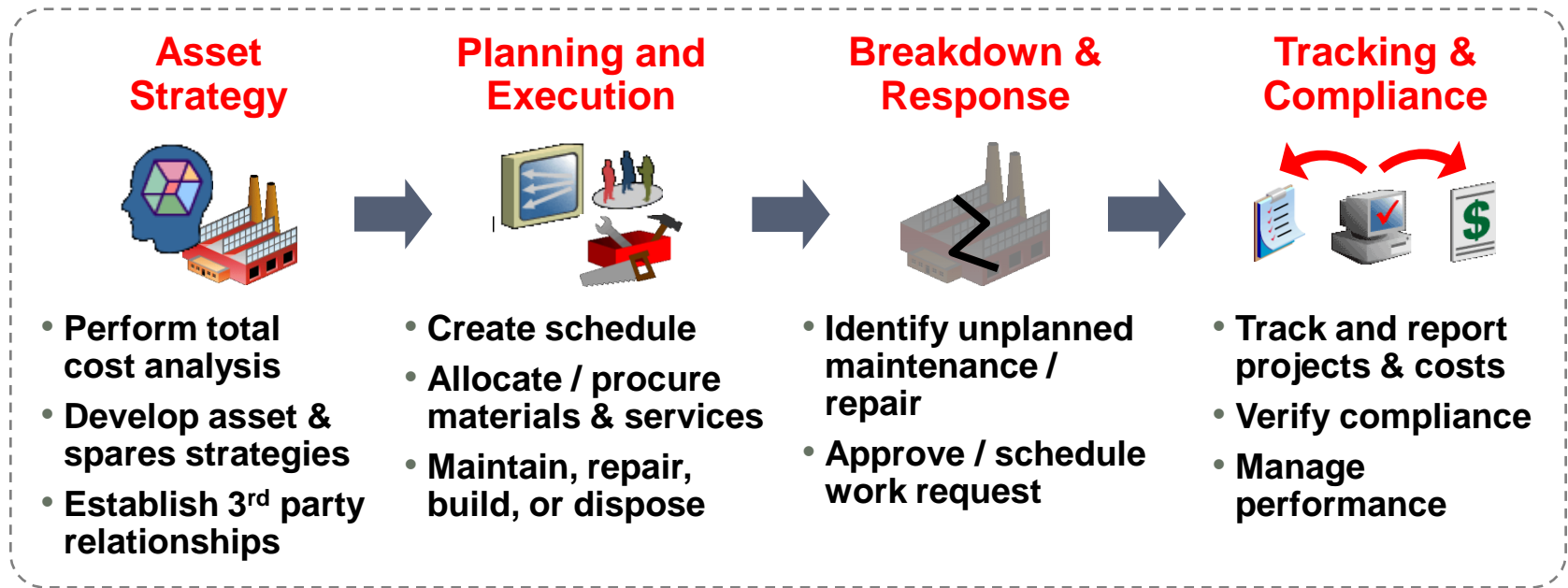


Linear/Network



Mobile/Fleet

Asset Management At-a-Glance



- Reactive Maintenance – Run to Failure-based – **when it breaks, fix it**
- Preventive Maintenance – Time-based – **prevent failures with regular maintenance**
- Predictive Maintenance – Condition-based – **monitor for out of tolerance**

- Today, maintenance is expected to contribute to the strategic goals.
- Equipment downtime costs companies lost revenue!
- A world class maintenance organization needs all three strategies.

Analyze by Equipment Codes or GL Accounts

Equipment Cost Analysis - Equipment - Equipment Cost Detail

Query: All Records

Form Row Tools One View

Group/Subgroup Columns 1-5 Columns 6-10 Display

Equipment Group PAINTBOOTH

Equipment Subgroup *

✓ Parent / Child hierarchies show totals rolled up at each level

Records 1 - 63

Detail	Description	Actual Total	Actual Total + Rollup	Budget Total	Budget Total + Rollup	Budget Less Actual	Budget Less Actual + Rollup	Actual Labor	Actual Labor + Rollup	Actual Material
2001	Paint Booths, 2001		28,500.00		12,500.00		16,000.00-		5,700.00	
24651	Paint Center		28,500.00	12,500.00	12,500.00	12,500.00	16,000.00-		5,700.00	
24694	Paint Booth I	5,625.00	9,500.00			5,625.00-	9,500.00-	1,125.00	1,900.00	2,250.00
24707	Exhaust Fan	2,250.00	2,250.00			2,250.00-	2,250.00-	450.00	450.00	900.00
24715	Exhaust Fan	1,125.00	1,125.00			1,125.00-	1,125.00-	225.00	225.00	450.00
24723	Exhaust Fan	500.00	500.00			500.00-	500.00-	100.00	100.00	200.00
24820	Paint Booth II	11,250.00	19,000.00			11,250.00-	19,000.00-	2,250.00	3,800.00	4,500.00
24846	Exhaust Fan	4,500.00	4,500.00			4,500.00-	4,500.00-	900.00	900.00	1,800.00
24854	10 HP motor	2,250.00	2,250.00			2,250.00-	2,250.00-	450.00	450.00	900.00
24897	Compressor	1,000.00	1,000.00			1,000.00-	1,000.00-	200.00	200.00	400.00
31181	Paint Booth III									
2002	Paint Booths, 2002		64,950.00		12,500.00		52,450.00-		13,050.00	
24651	Paint Center		64,950.00	12,500.00	12,500.00	12,500.00	52,450.00-		13,050.00	
31181	Paint Booth III									
24651	Paint Center		64,950.00	12,500.00	12,500.00	12,500.00	52,450.00-		13,050.00	
31181	Paint Booth III									
24651	Paint Center		64,950.00	12,500.00	12,500.00	12,500.00	52,450.00-		13,050.00	
31181	Paint Booth III									
24651	Paint Center		64,950.00	12,500.00	12,500.00	12,500.00	52,450.00-		13,050.00	

Analyze by Equipment Codes or GL Accounts

Equipment Cost Analysis - Equipment - Equipment Cost Detail

Query: All Records

Form Row Tools One View

Group/Subgroup Columns 1-5 Columns 6-10 Display

Equipment Group PAINTBOOTH
Equipment Subgroup *

✓ Analyze trending over time

Records 1 - 9

Customize Grid

Detail	Description	Actual Total	Actual Total + Rollup	Budget Total	Budget Total + Rollup	Budget Less Actual	Budget Less Actual + Rollup	Actual Labor	Actual Labor + Rollup	Actual Material	Act Rol
2001	Paint Booths, 2001		28,500.00		12,500.00		16,000.00-		5,700.00		
M38.8482.310	Regular Time	5,700.00		2,500.00		3,200.00-		5,700.00			
M38.8486.310	Parts	11,400.00		5,000.00		6,400.00-				11,400.00	
M38.8488.310	Outside Services	11,400.00		5,000.00		6,400.00-					
2002	Paint Booths, 2002		64,950.00		12,500.00		52,450.00-		13,050.00		
YARD.8402	Miles Reading-Incremental										
M38.8482.310	Regular Time	13,050.00		2,500.00		10,550.00-		13,050.00			
M38.8486.310	Parts	26,100.00		5,000.00		21,100.00-				26,100.00	
M38.8488.310	Outside Services	25,800.00		5,000.00		20,800.00-					

Flexible and Configurable

Equipment Cost Analysis - Asset - Work With Inquiry Columns

Query: All Records

Row Tools One View

Records 1 - 14 Customize Grid

<input type="checkbox"/>	Column Name	Description	Column Heading 1	Column Heading 2	Formula	Scaling Multiplier
<input type="checkbox"/>	ACTH	Actual Labor Hours	Actual	Hours	55+56+57+58	
<input type="checkbox"/>	ACTL	Actual Labor	Actual	Labor	50+51+52+53	
<input type="checkbox"/>	ACTM	Actual Material	Actual	Material	60+61+62+63	
<input type="checkbox"/>	ACTO	Actual Other	Actual	Other	70+71+72+73	
<input checked="" type="checkbox"/>	ATFU	Total Maint Per Fuel	Total	Per Fuel	(50+51+52+53+60+61+62+63+70+71+72+73)/92	
<input type="checkbox"/>	ATHR	Total Maint Per Hour	Total	Per Hour	(50+51+52+53+60+61+62+63+70+71+72+73)/93	
<input type="checkbox"/>	ATMI	Total Maint Per Miles	Total	Per Miles	(50+51+52+53+60+61+62+63+70+71+72+73)/91	

Equipment Cost Analysis Inquiry Columns - Select User Define Code

Select Find Close Form Tools

Product Code: 13 *Plan/Equipment Management*

User Defined Codes: CC *Cost Classification*

Records 1 - 33 Customize Grid

<input type="radio"/>	Code	Description
<input type="radio"/>	51	Labor Costs - Mechanical
<input type="radio"/>	52	Labor Costs - Electrical
<input type="radio"/>	53	Labor Costs - Instruments
<input type="radio"/>	55	Labor Hours
<input type="radio"/>	56	Labor Hours - Mechanical
<input type="radio"/>	57	Labor Hours - Electrical
<input type="radio"/>	58	Labor Hours - Instruments
<input type="radio"/>	60	Material Costs
<input type="radio"/>	61	Material Costs - Mechanical
<input type="radio"/>	62	Material Costs - Electrical
<input type="radio"/>	63	Material Costs - Instruments
<input type="radio"/>	70	Outside Services
<input type="radio"/>	71	Outside Services - Mechanical
<input type="radio"/>	72	Outside Services - Electrical

- ✓ User defined columns
- ✓ User defined formulas
- ✓ User defined cost codes

The Benefits of Equipment Cost Analysis

Perform Detailed Equipment Cost Analysis

- Compare costs for an asset under different operating environments or sites
- Totals at various Parent / Child equipment structures with drill-down capability

Identify Current Problems

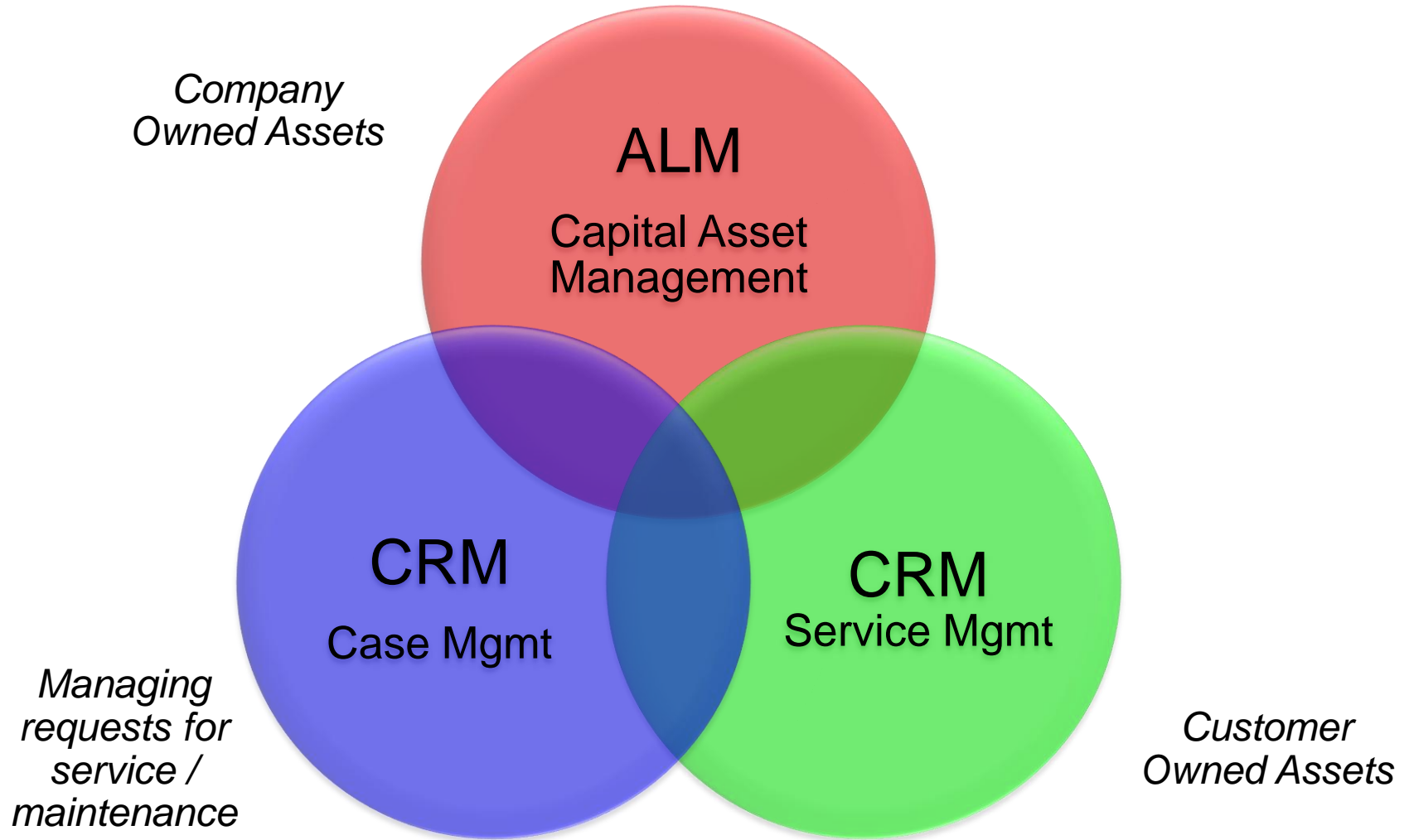
- Various coding structures for grouping like equipment within the system
- Compare same part – different manufacturers

Track Operational Costs

- Cost trending overtime for group of related assets or components
- View costs by account

JD Edwards EnterpriseOne Product Areas

Enabling End-to-End Business Processes for Maintenance Management



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