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JD Edwards EnterpriseOne Condition Based Maintenance

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

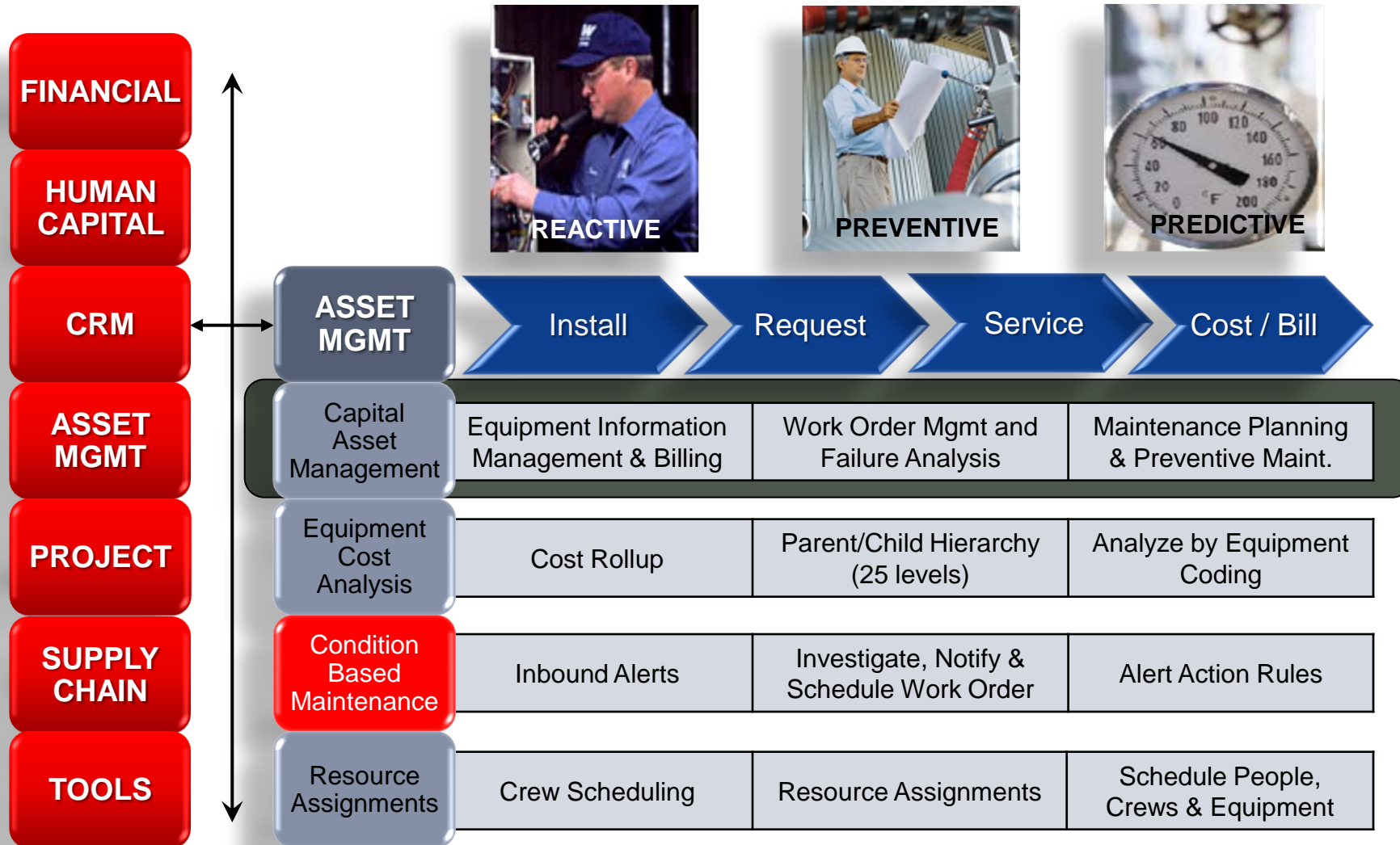


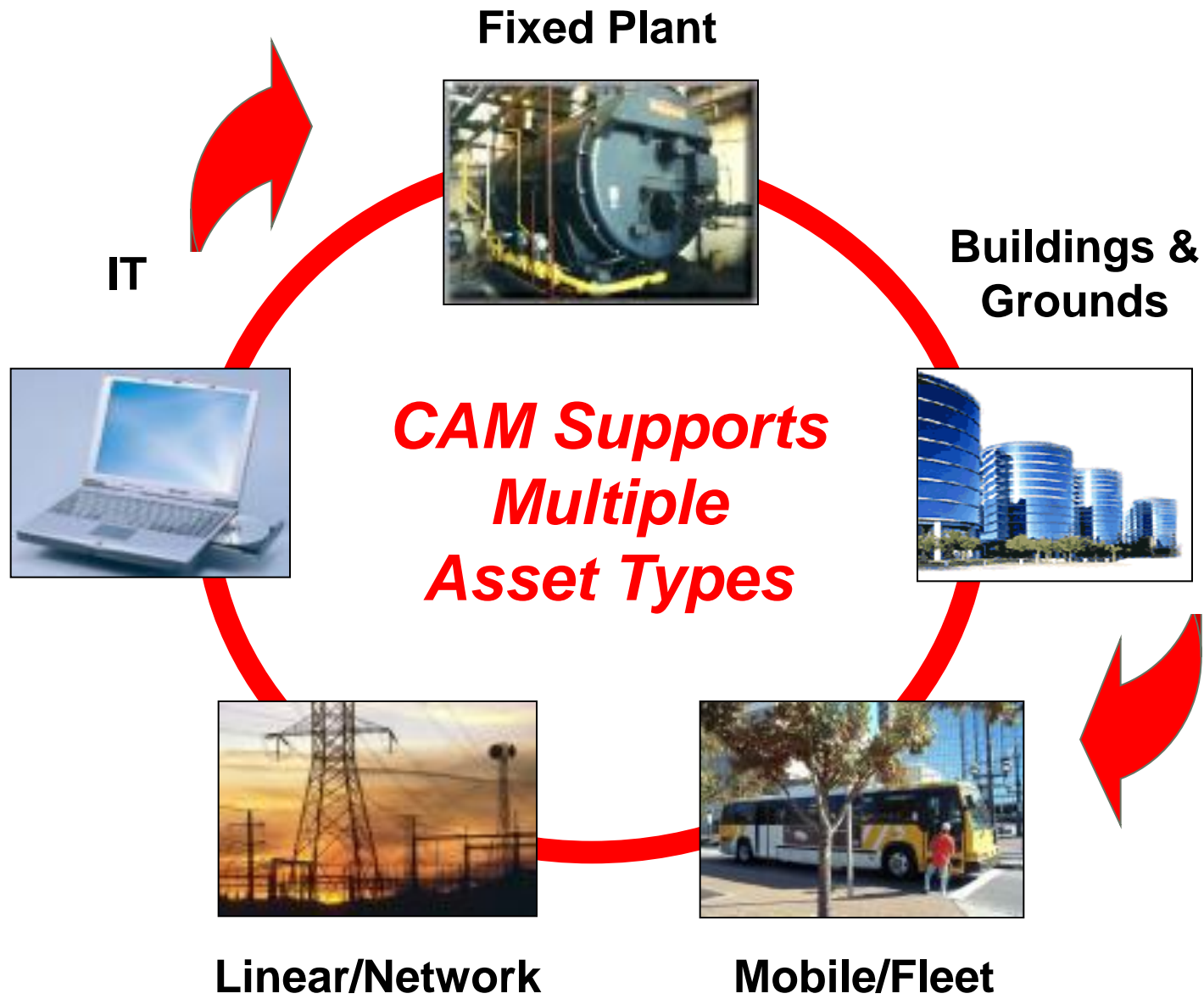
VALUE

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

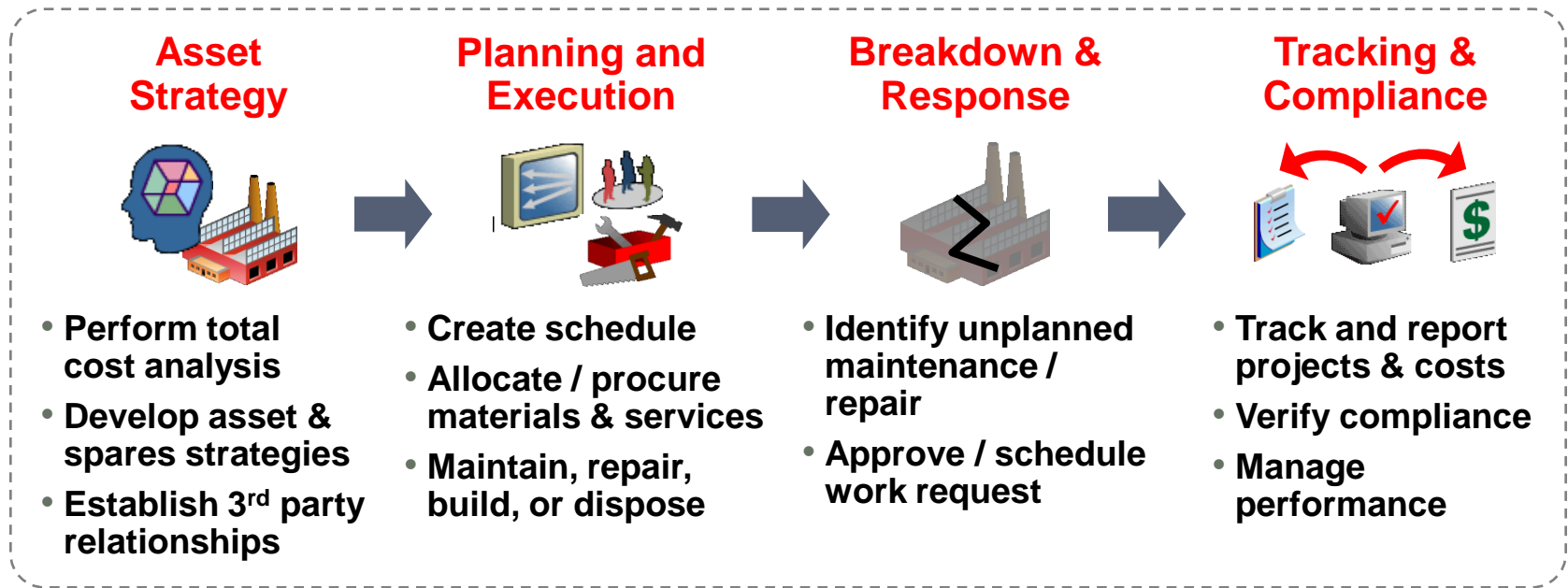
JD Edwards EnterpriseOne Capital Asset Management

Single System, Seamless Integration





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**

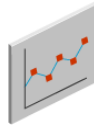
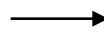
- Today, maintenance is expected to contribute to the strategic goals.
- Equipment downtime costs companies lost revenue!
- A world class maintenance organization needs all three strategies.

Multiple Maintenance Strategies

Condition Based



Condition Monitoring



System Identification of Limit Violations



Workflow-Driven System Action

Preventive



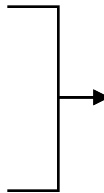
Planned Usage



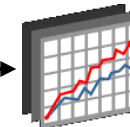
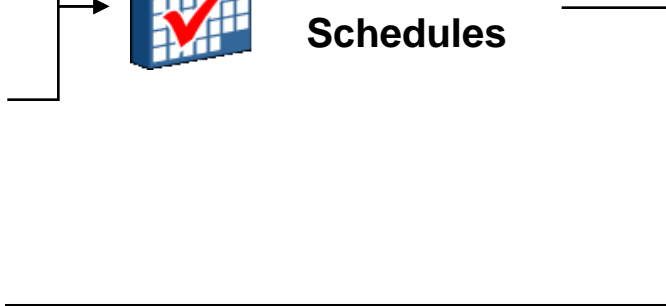
Actual Usage



Estimated Life



Maintenance Schedules



Maintenance Forecast

Reactive



Maintenance Request

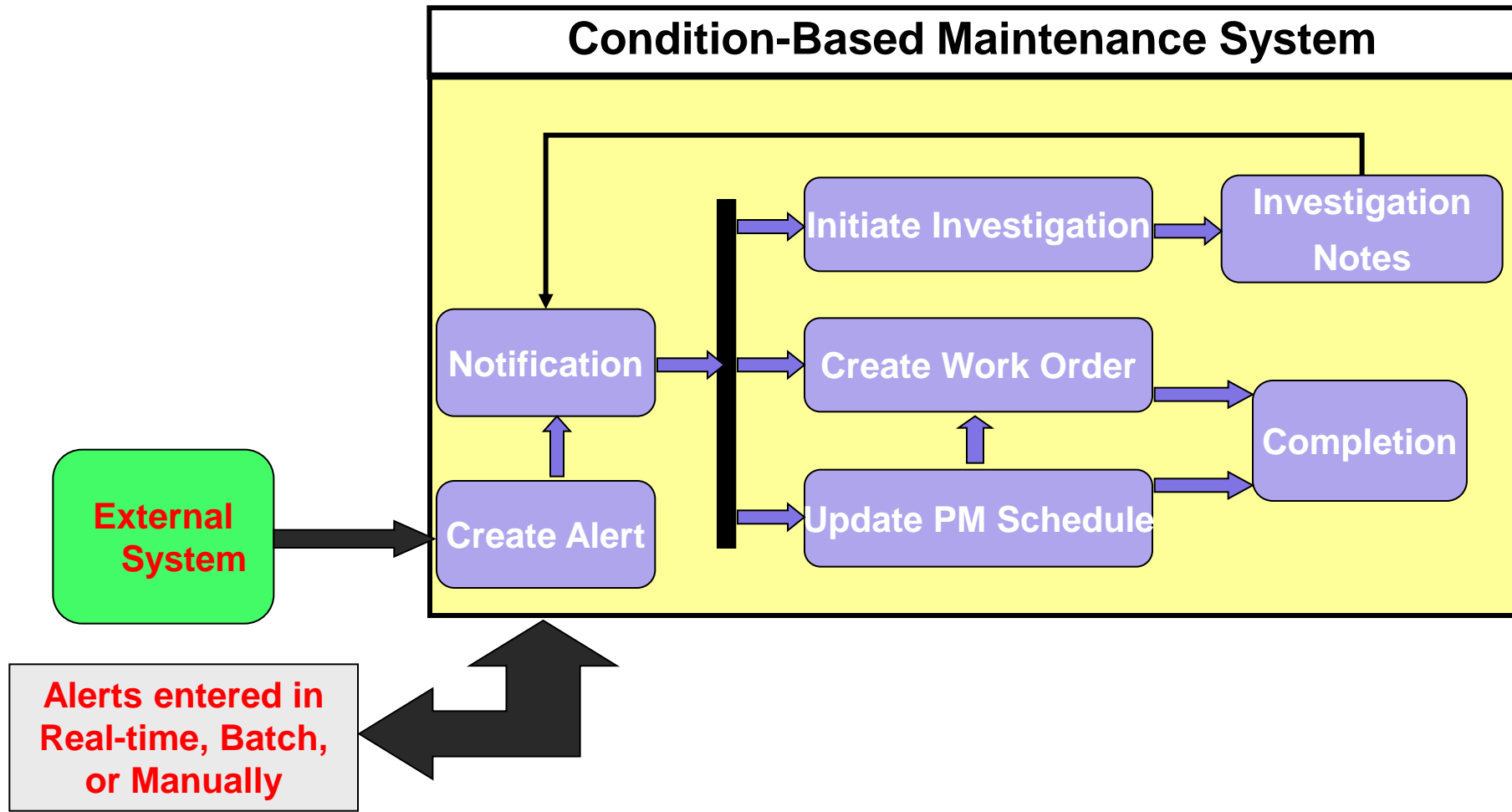


Unplanned Maint Scheduling



Operator Initiated WO Req / Approval

JD Edwards CBM Business Process Flow



Condition Based Alerts Workbench

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Roles Personalization Help Terry Technician [JDV900] Sign Out

Home Navigator Open Applications Recent Reports Favorites

Fast Path

Condition-Based Alerts Workbench - Work with Condition-Based Alerts

Query: All Records

Display Alerts Additional Selections Cat Codes 1-10 Cat Codes 11-20 Cat Codes 21,22,23

Business Unit
Location
Customer Number
Site Number
Service Provider
Technician

Records 1 - 3

	Equipment Number	Unit Number	Serial Number	Equipment Description	Alert Level	Alert Description	Alert Status	Alert Status Desc	Automated Response Type	Automated Response
<input type="checkbox"/>	24820	PB2		Paint Booth II	1	Nozzle Malfunction	1	Open	1	No Automa
<input type="checkbox"/>	24740	VM8	12420853	Vertical Mill	1	Mill Arm Excessive Vibration	1	Open	2	Create Inv
<input type="checkbox"/>	24900	F7	159-2-09AE	Forklift	2	Oil Leak/Engine Malfunction	1	Open	4	Update PM

Failure Analysis WO Revisions PM Backlog Notification Msg Review Investigation Msg Review

Local intranet 100%

- ✓ See all alerts that have come into the system
- ✓ Alerts can be added manually or electronically.
- ✓ Easy access to important functions to manage your alerts

Condition Based Alerts

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Roles Personalization Help Terry Technician [JDV900] Sign Out

Home Navigator Open Applications Recent Reports Favorites

Fast Path

Condition-Based Alerts Workbench - Condition-Based Alerts Revisions

?

Form Tools

Alert Details Response Details

Equipment Number 24820 Paint Booth II
Measurement Location
Description Nozzle Malfunction
Alert Level 1 Warning
Alert Status 1 Open
Event Date / Time 03/12/2016 09:30:00

Notification

☒ Send Notification Message

Notification Recipient 4800 Josephson, Michael
Notification Structure Type

- ✓ Automate your response to alerts
- ✓ Automate the messaging related to alerts
- ✓ Rules based responses

Text

Last Modified 03/12/2004 13:37:29 by MT6085156

Courier New 12 B U

3/12/2004 13:37:28 MT6085156 23 - Eastern Time (US & Canada)

Excessive paint streaking/drips. Nozzle alignment is possible problem.

Rule Based Response

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Home Navigator Open Applications Recent Reports Favorites

Fast Path

Condition-Based Alerts Workbench - Condition-Based Alerts Revisions

Form Tools

Alert Details Response Details

Automated Response Type No Automated Response

Planned Start Date

Investigation

Investigation Recipient

Investigation Structure Type

Model Work Order

Model Work Order

Service Type

Condition-Based Schedule

Service Type

Maintenance Status

Assigned Work Order

Assigned Work Order

Assigned Work Order Status

✓ Rule based responses can include:

- Investigation
- Model Work Orders
- Preventive Maintenance Schedule
- Emergency Work Order

Done Local intranet 100%

The Benefits of Condition-Based Maintenance

Increase Asset Predictability and Productivity

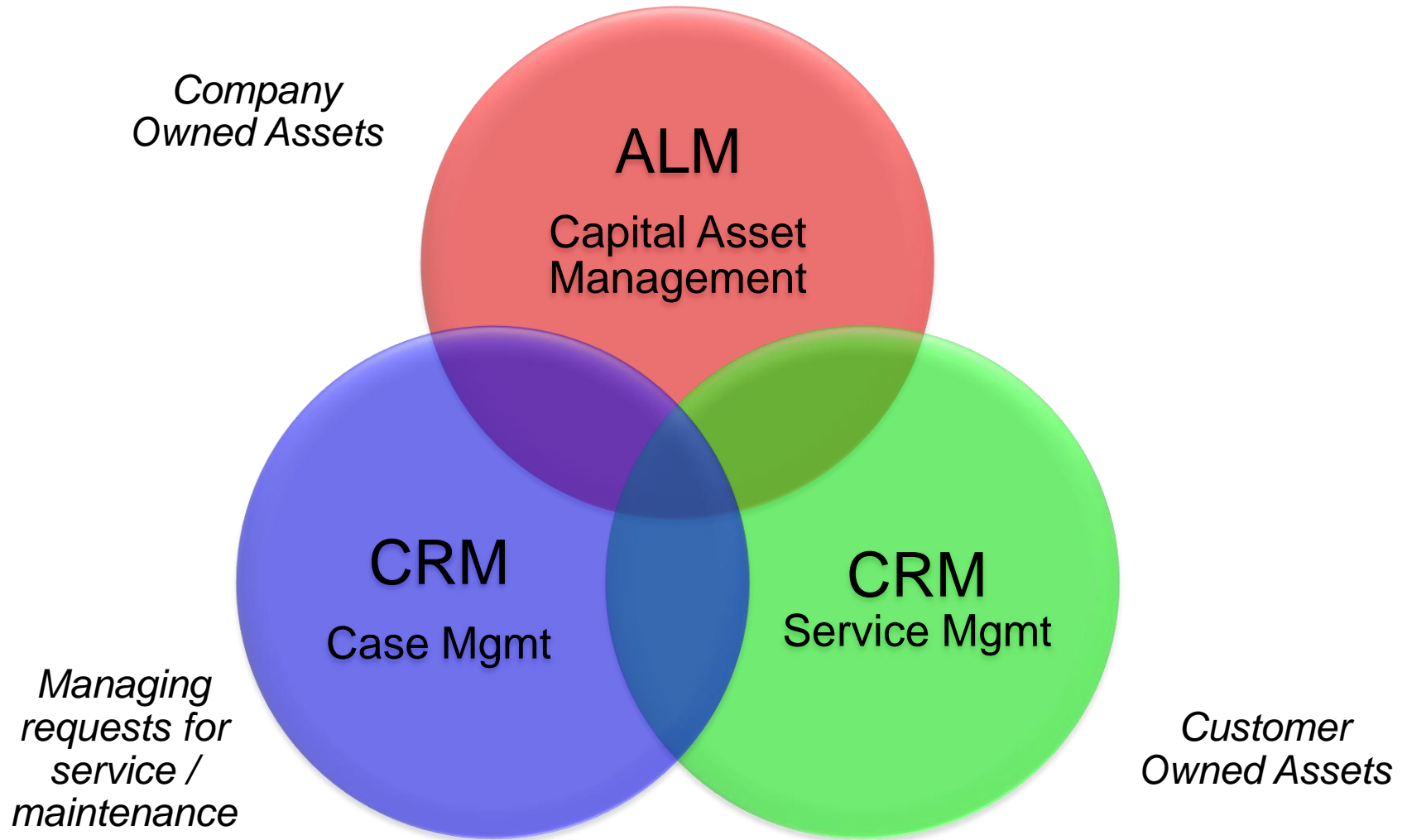
- Focus attention and resources on “most important” assets (high value & critical)
- 80% of all equipment failures are random – trigger maintenance on alerts
- Maximize asset utilization and extend asset life

Reduce Operating Cost and Improve Profitability

- Holistic Maintenance Strategy – focus on doing the “Right Work at the Right Time”
- Maintenance is one of the top five controllable costs for asset-intensive companies
- Minimize unplanned downtime

JD Edwards EnterpriseOne Product Areas

Enabling End-to-End Business Processes for Maintenance Management



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