ORACLE®

# JD Edwards EnterpriseOne Condition Based Maintenance

# Capital Asset Maintenance Challenges

| CHALLENGES | CAPABILITIES | VALUE |
| --- | --- | --- |
| • "80% of failures are random" - resulting in emergency work orders which cause unanticipated downtime | • Holistic Maintenance Strategy, balance of:<br>➢ Reactive<br>➢ Preventive<br>➢ Predictive | • Reduced Operating Cost |
| • Increased financial pressures on Asset Cost of Ownership | • Equipment Cost Analysis, Resource Assignments and Crew Scheduling | • Optimized Asset / Equipment Performance |
| • Software user is evolving | • Role-based workspace and portals | • Regulatory and Standards Compliance |
| • Aging assets, tighter regulations and emerging standards | • Condition-Based Maintenance | • Profit-Center rather than Cost-Center |

# JD Edwards EnterpriseOne Capital Asset Management

## Single System, Seamless Integration

FINANCIAL

HUMAN CAPITAL

CRM

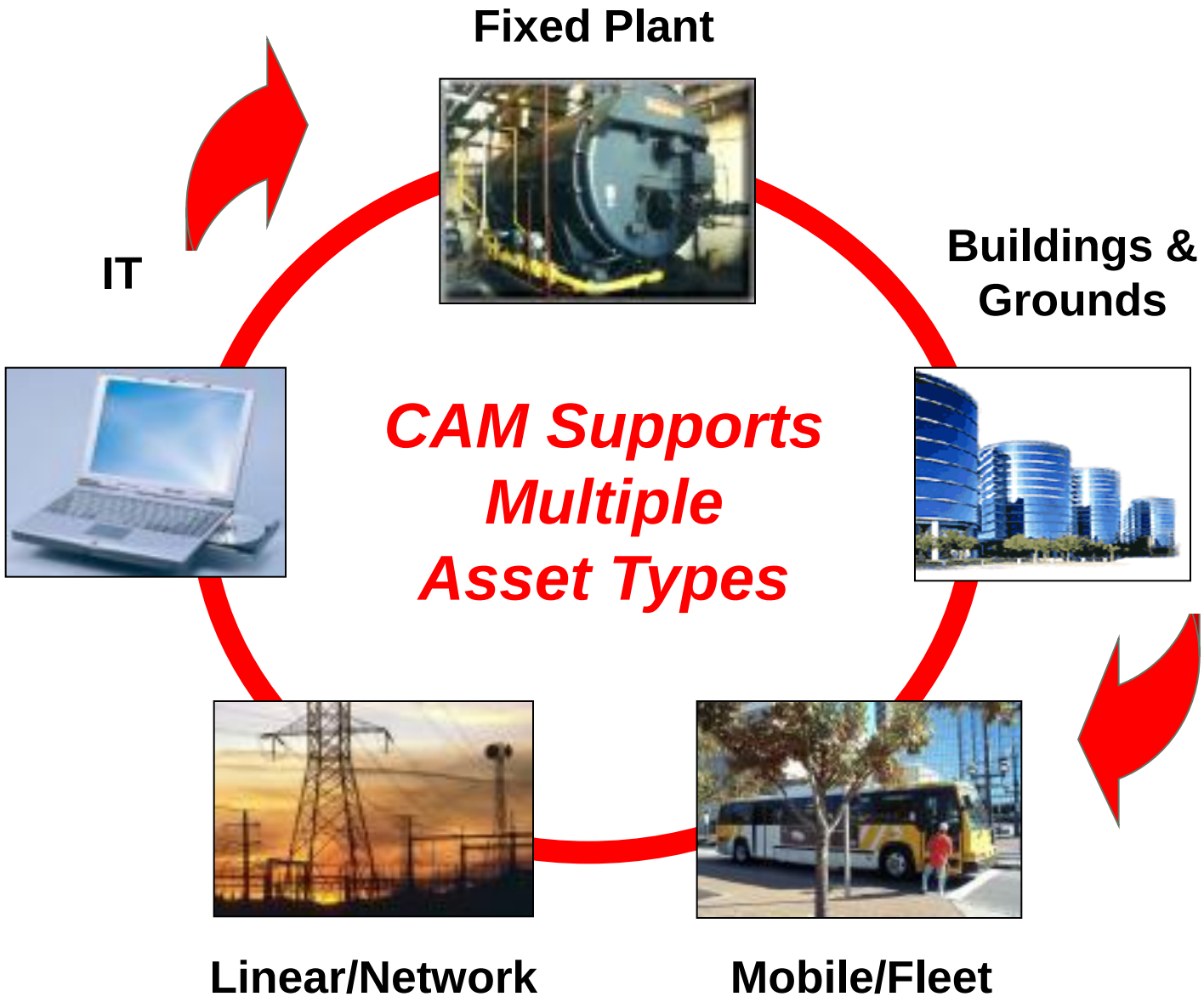
ASSET MGMT

PROJECT

SUPPLY CHAIN

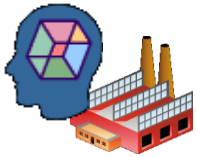
TOOLS

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


Fixed Plant
Buildings & Grounds
Mobile/Fleet
Linear/Network
IT
CAM Supports Multiple Asset Types

# Asset Management At-a-Glance

## Asset Strategy

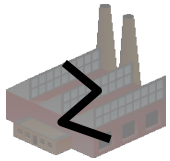


- Perform total cost analysis
- Develop asset & spares strategies
- Establish 3rd party relationships

## Planning and Execution

- Create schedule
- Allocate / procure materials & services
- Maintain, repair, build, or dispose

## Breakdown & Response



- Identify unplanned maintenance / repair
- Approve / schedule work request

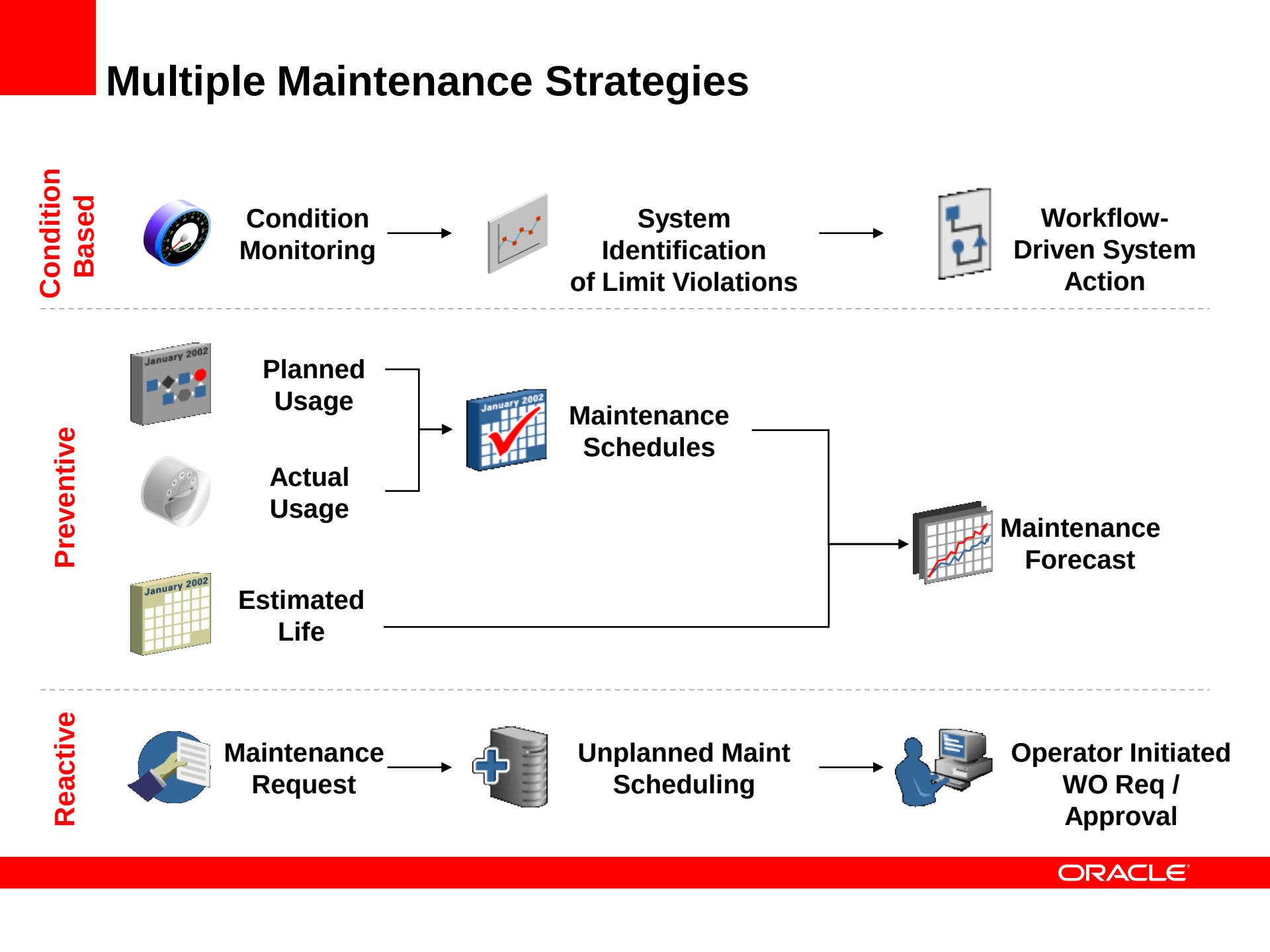
## Tracking & Compliance

- Track and report projects & costs
- Verify compliance
- Manage performance

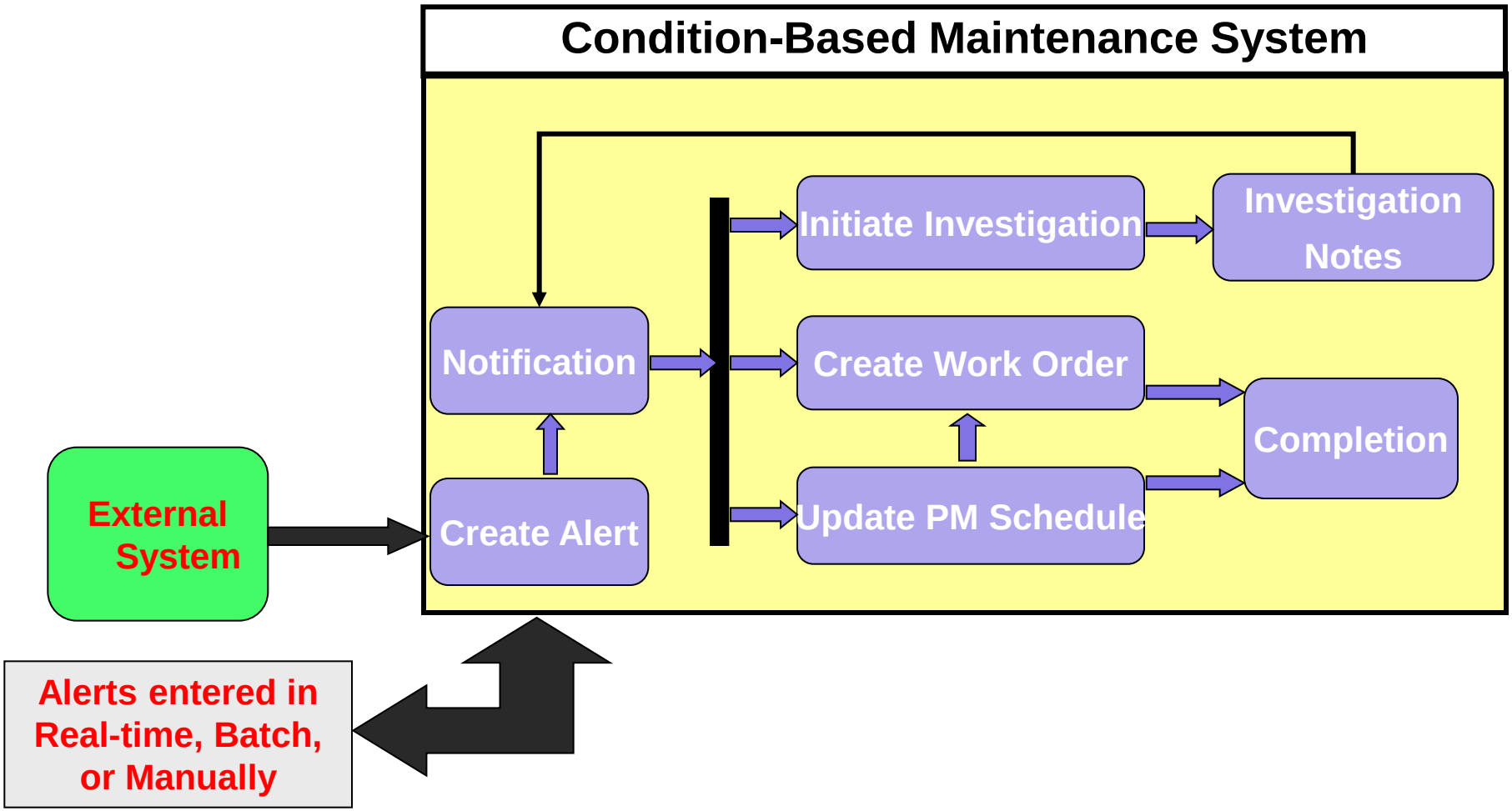
- Reactive Maintenance – Run to Failure-based – when it breaks, fix it
- Preventive Maintenance –Time-based – prevent failures with regular maintenance
- Predictive Maintenance – Condition-based – monitor for out of tolerance

- 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.

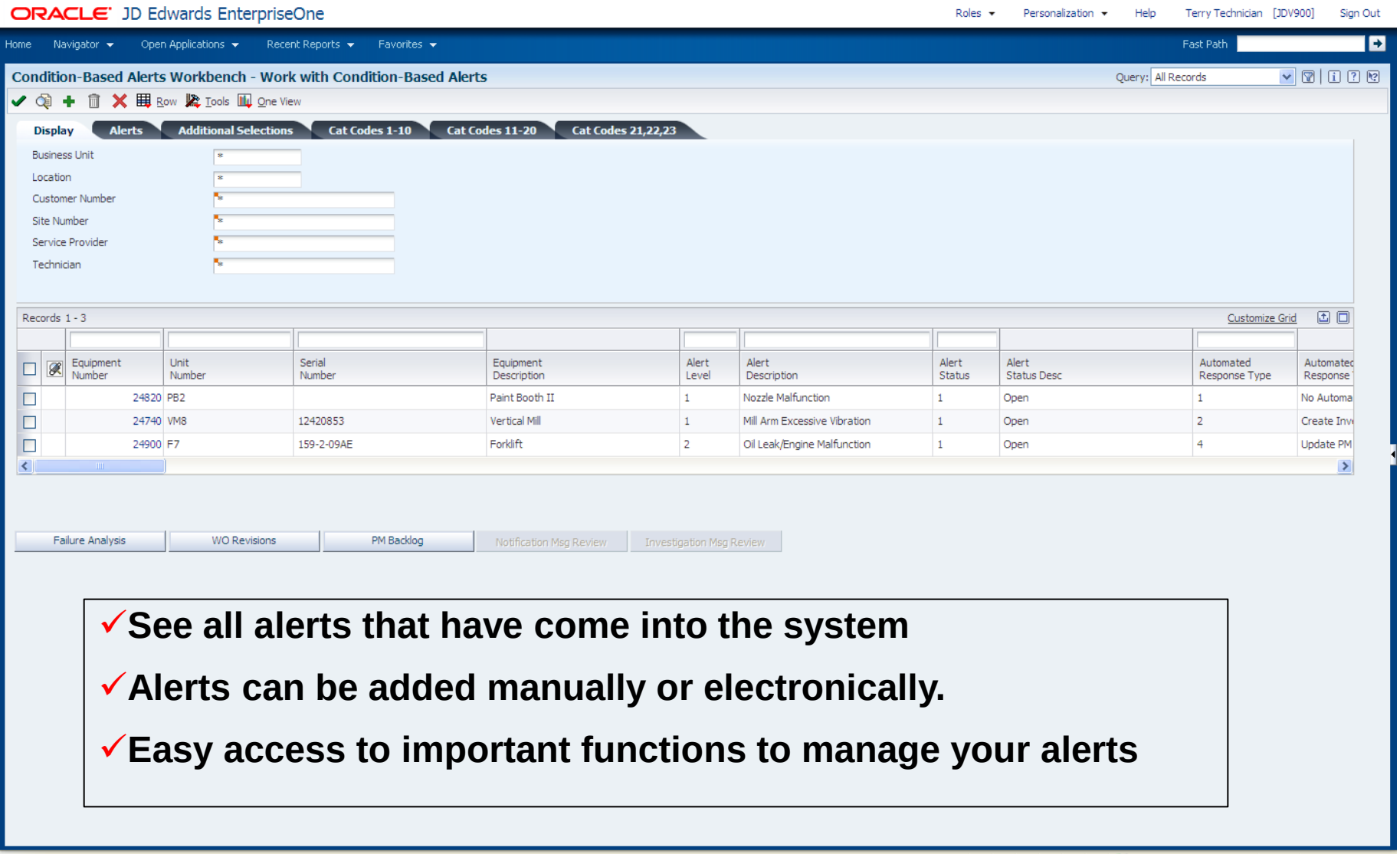
# Multiple Maintenance Strategies



# JD Edwards CBM Business Process Flow

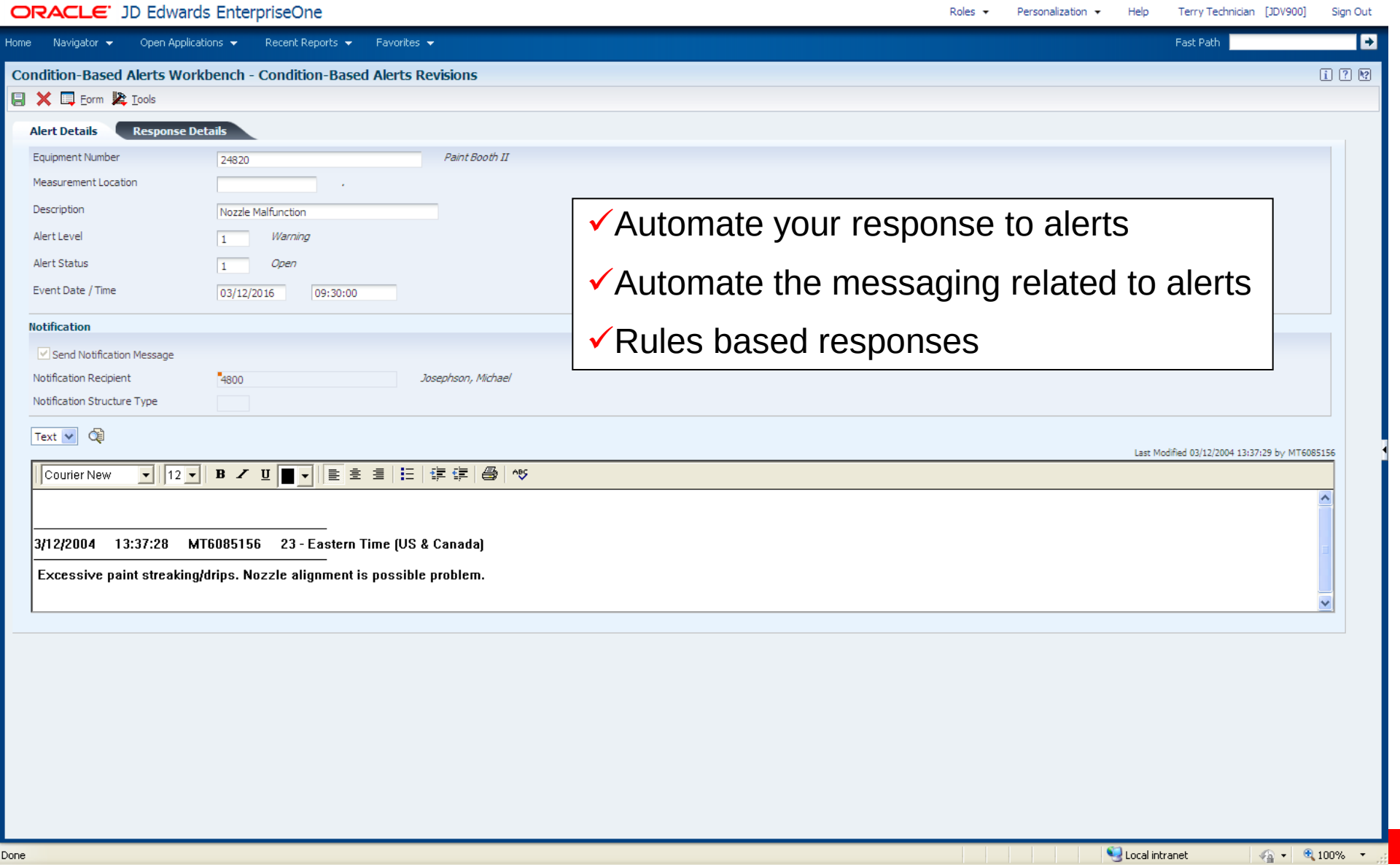


# Condition Based Alerts Workbench



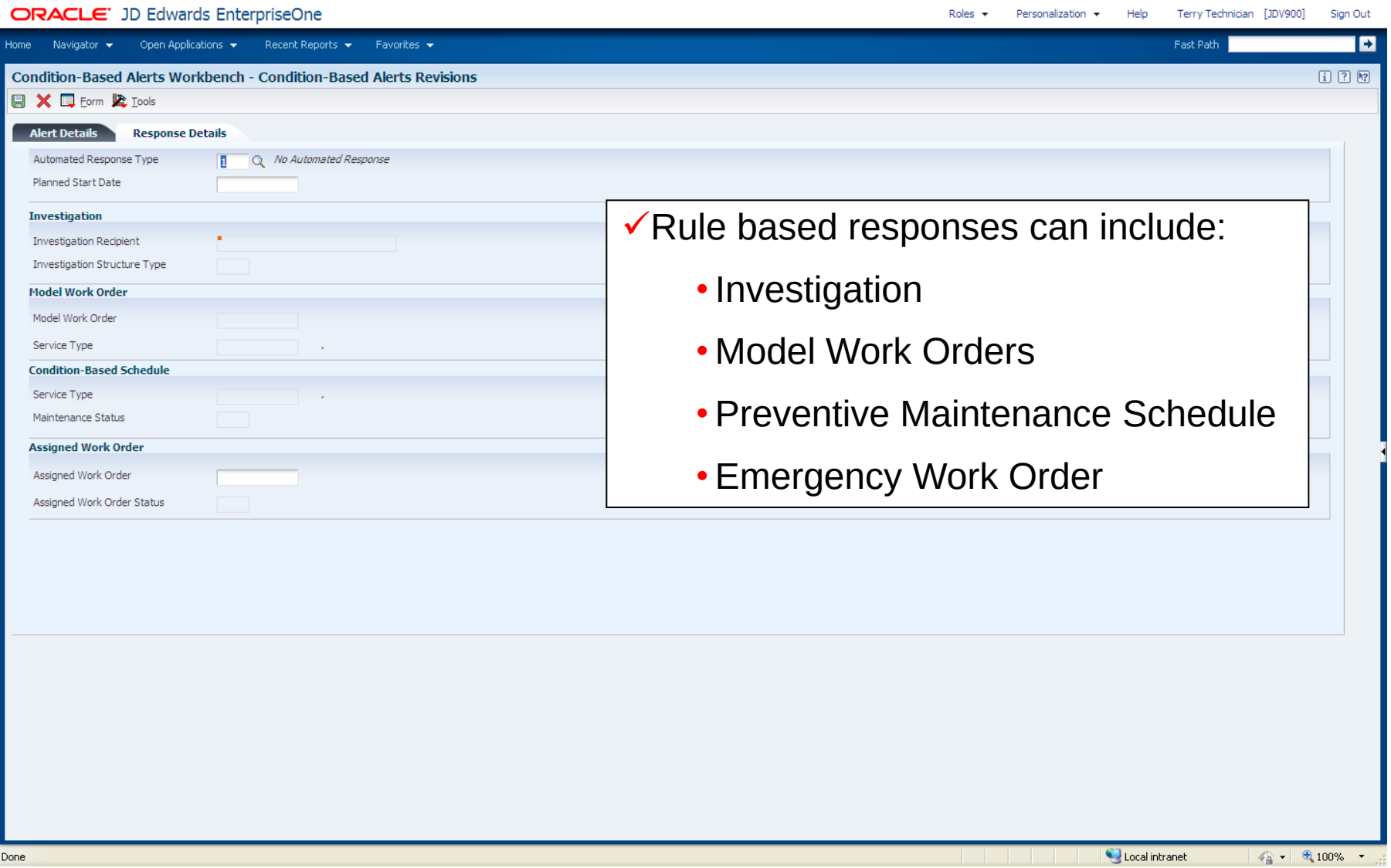

- ✓See all alerts that have come into the system
- ✓Alerts can be added manually or electronically.
- ✓Easy access to important functions to manage your alerts

# Condition Based Alerts




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

# Rule Based Response




✓Rule based responses can include:

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

# The Benefits of Condition-Based Maintenance

**Increase Asset Predictability and Productivity**

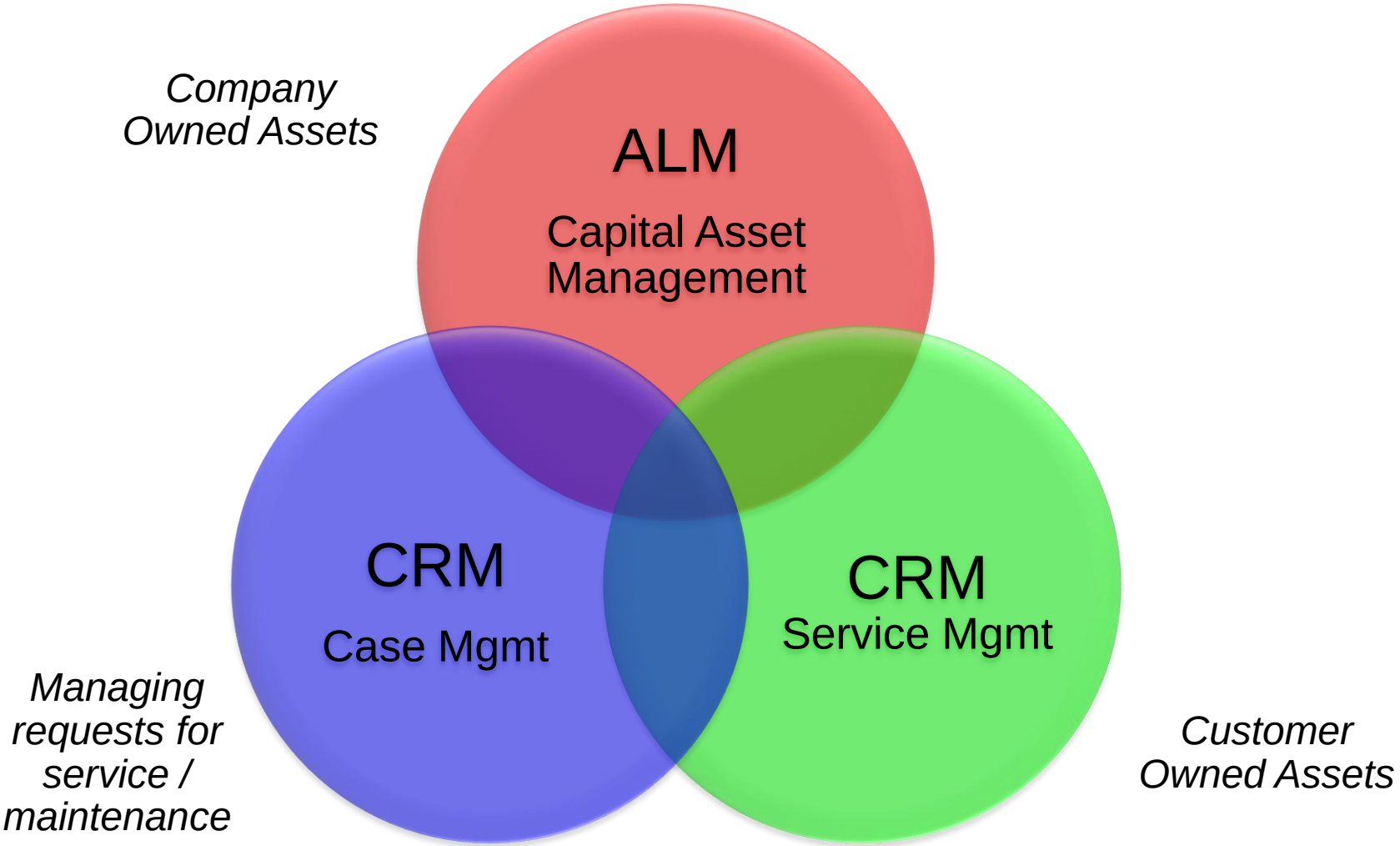
- Focus attention and resources on “most important” assets (high value & critical)
- 80% of all equipment failures are random – trigger maintenance on alerts
- Maximize asset utilization and extend asset life

**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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