



Watch Your Assets: Enterprise Asset Management for Facilities Professionals

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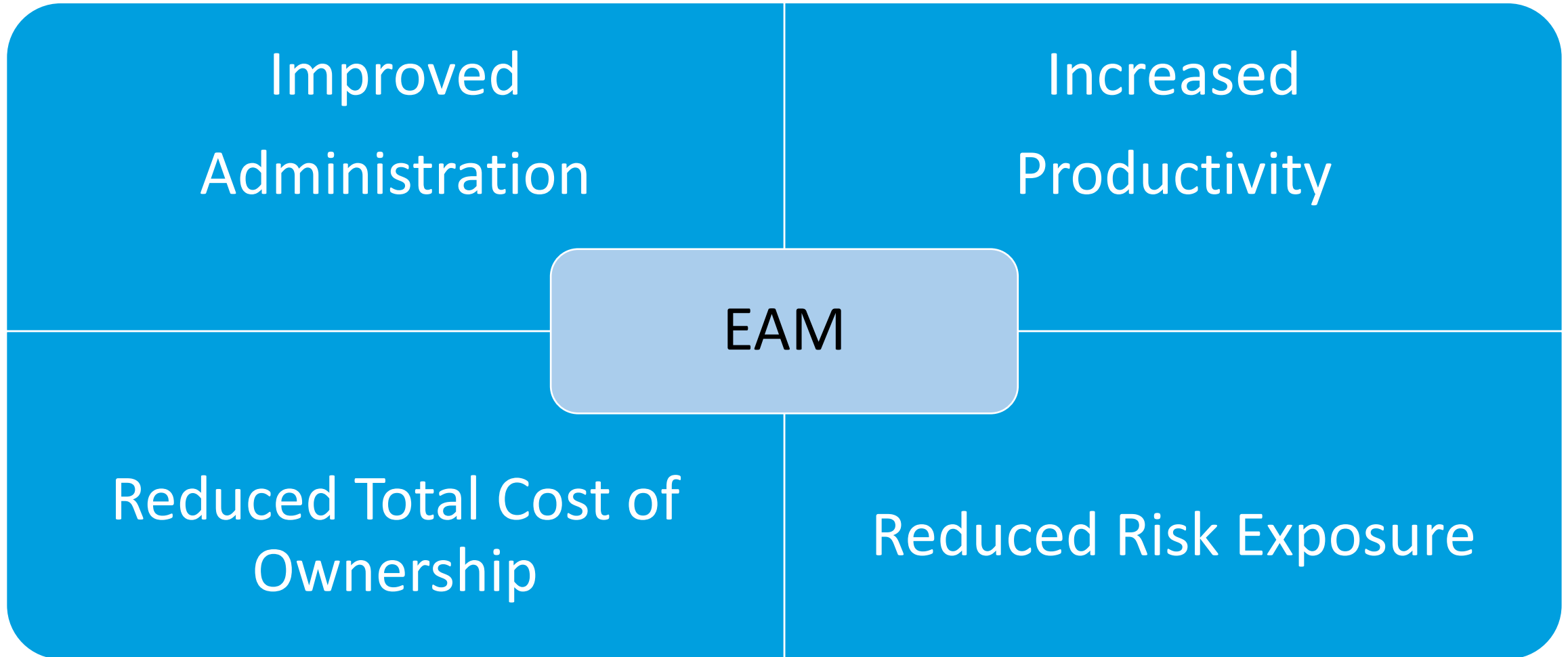
Schools are a collection of assets

- Buildings
 - HVAC systems
 - Desks
 - Supplies
 - Electrical systems
 - Plumbing systems
 - Flooring
 - Cafeteria systems
 - Metal detectors
- Grounds
 - Athletic facilities
 - Roadways/access points
 - Parking facilities
 - Mowers
 - Construction equipment
- Transportation
 - Buses
 - Repair parts
 - Maintenance facilities
 - Safety vests/car seats
 - Fuel and fuel systems
 - Box trucks/pickups/sedans
- Technology
 - Computers
 - Software
 - Access points
 - Routers
 - Cables
 - Cameras

What is Enterprise Asset Management (EAM)?

- Evolution of inspection and maintenance-based management of assets that previously dominated
- Focused on assessing the ownership and maintenance of *all* physical and technical resources within an organization
- Lifecycle focused; maximize availability and minimize total cost of ownership
- Creates a strong connection between maintenance of systems and operating requirements that drive system requirements

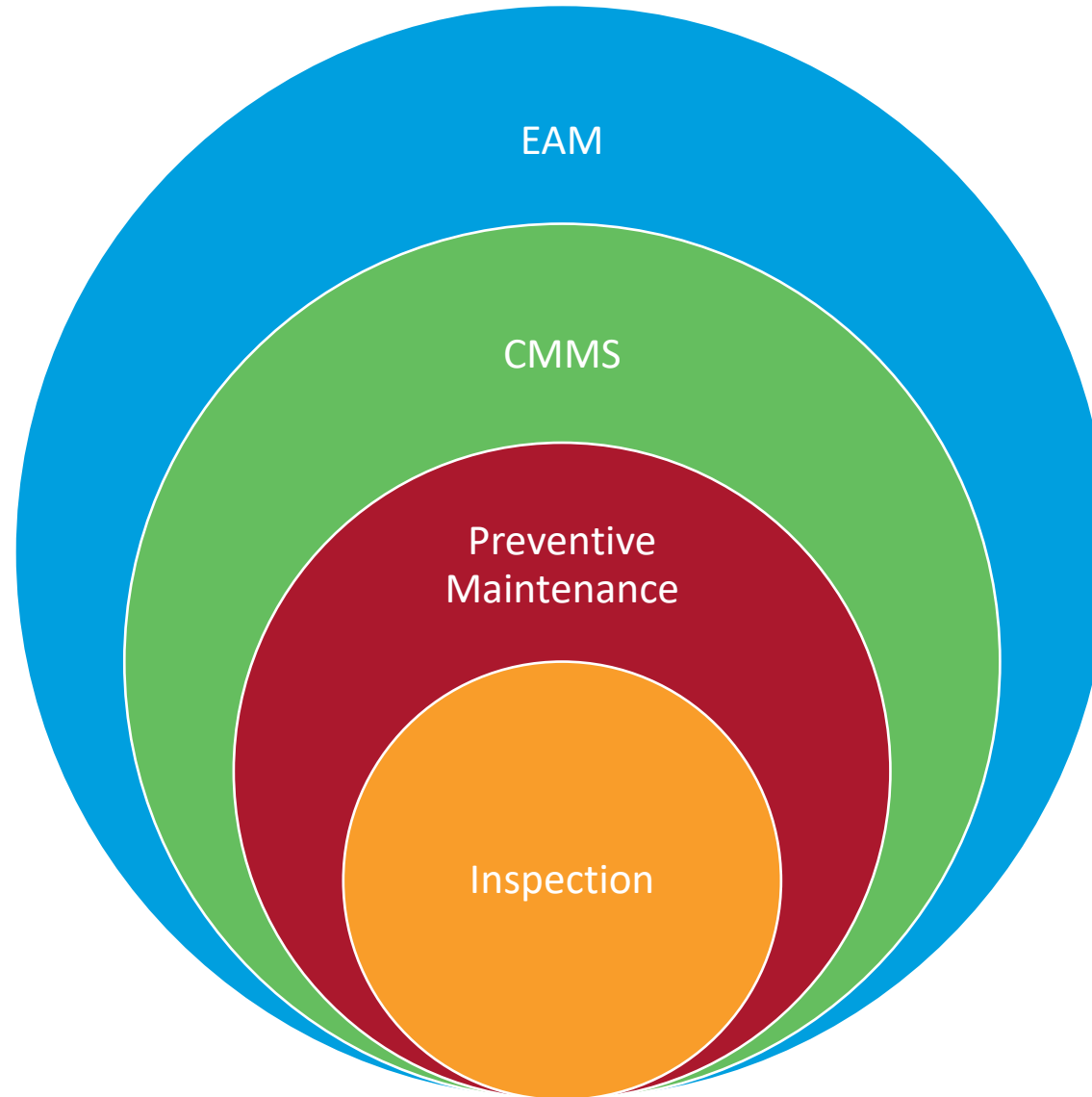
The Goals of EAM



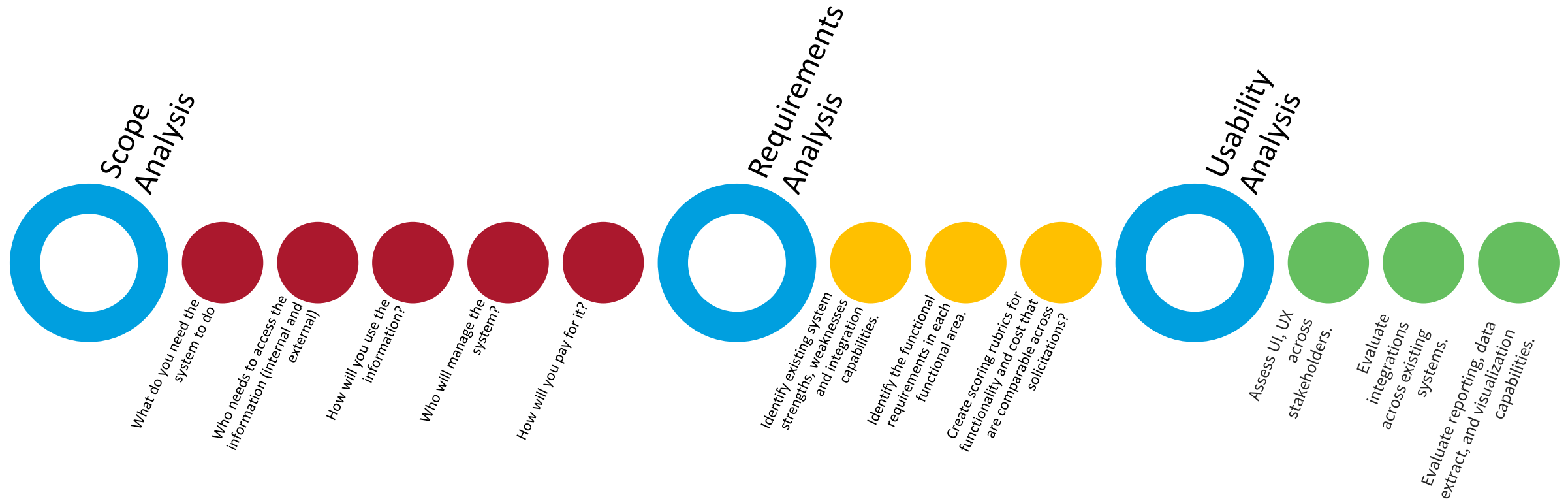
Why is EAM Useful for Facilities and Operations Managers?

- Centralize information on all assets of each type
- Manage aging assets and infrastructure
- Consolidate operational applications
- Monitor asset use/compare across locations
- Improve asset utilization/reduce life-cycle costs
- Increase staff productivity and skill development
- Support capital budget planning and operational budget development
- Reduce risk and compliance concerns

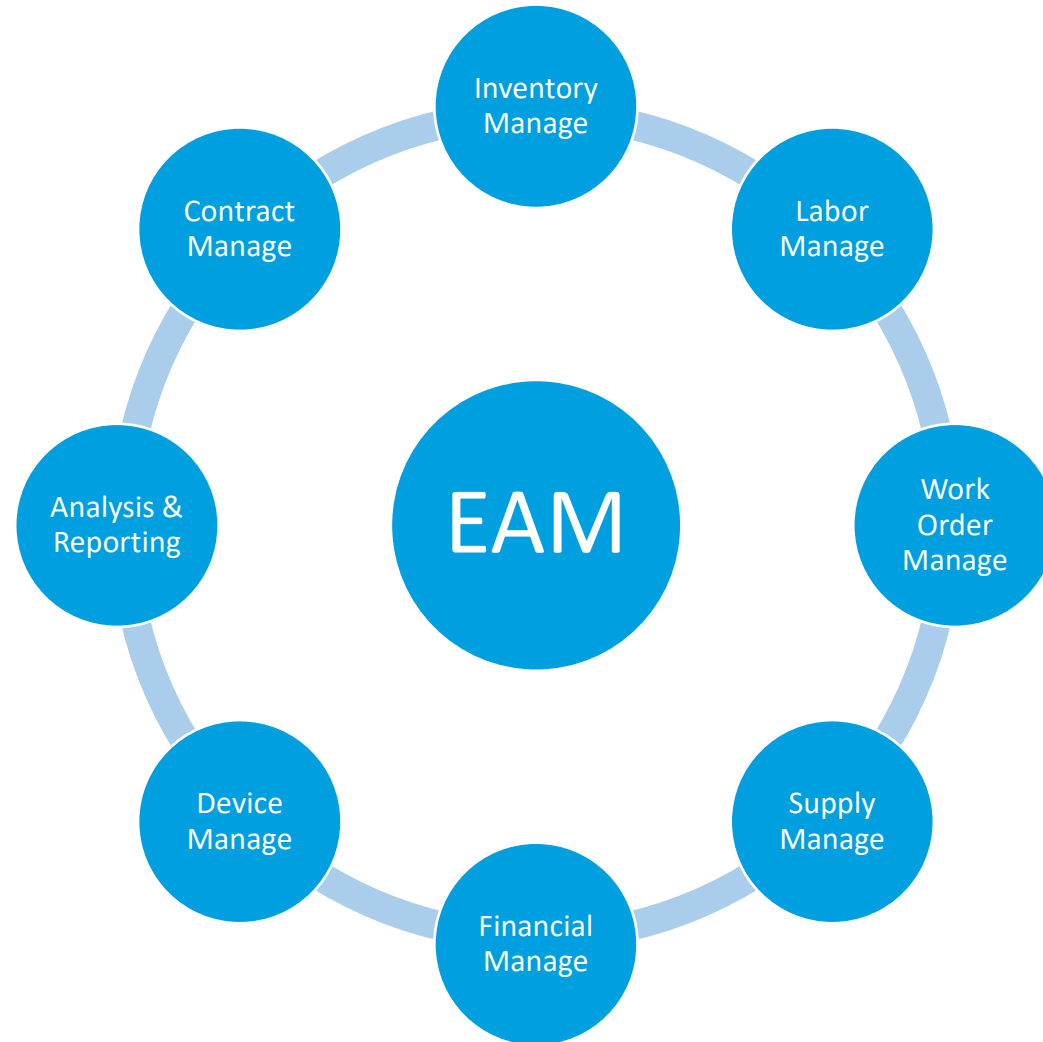
The Differences Between EAM and CMMS



Transitioning from CMMS to EAM



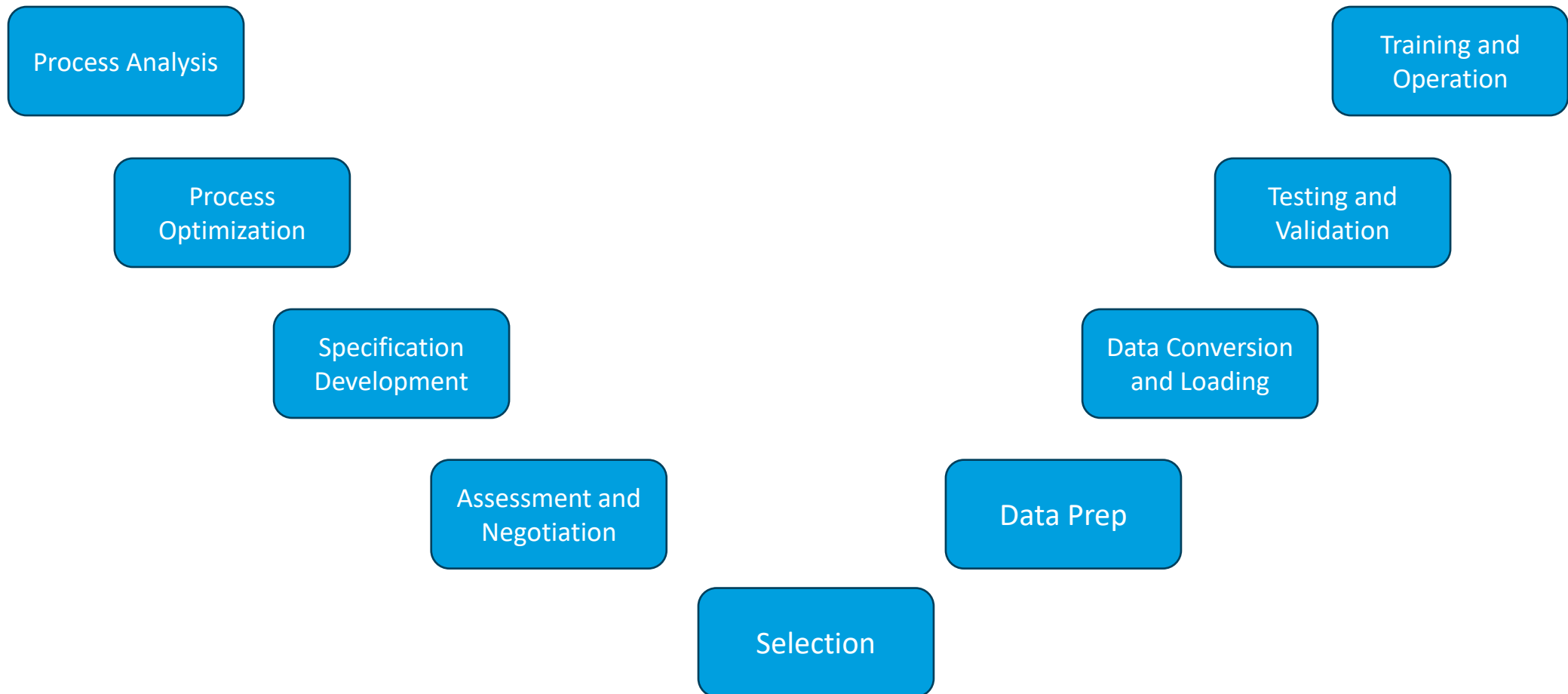
A Collection of Planets in an EAM Universe



How to Successfully Navigate to Using EAM



V-Modeling for Implementation



A Possible Way of Measuring Success

Financial

- Cost per unit (students/building/equipment/etc.)
- Capital replacement backlog
- Inventory usage/levels
- Personnel cost proportions

Customer/Stakeholder

- Inbound repair requests
- Average turnaround time by repair type
- Time to notice of completion
- Satisfaction rating

Processes

- Mean time to repair
- Mean time between failure
- Preventive maintenance compliance
- Planned vs. Unplanned maintenance events
- Maintenance event backlog

People

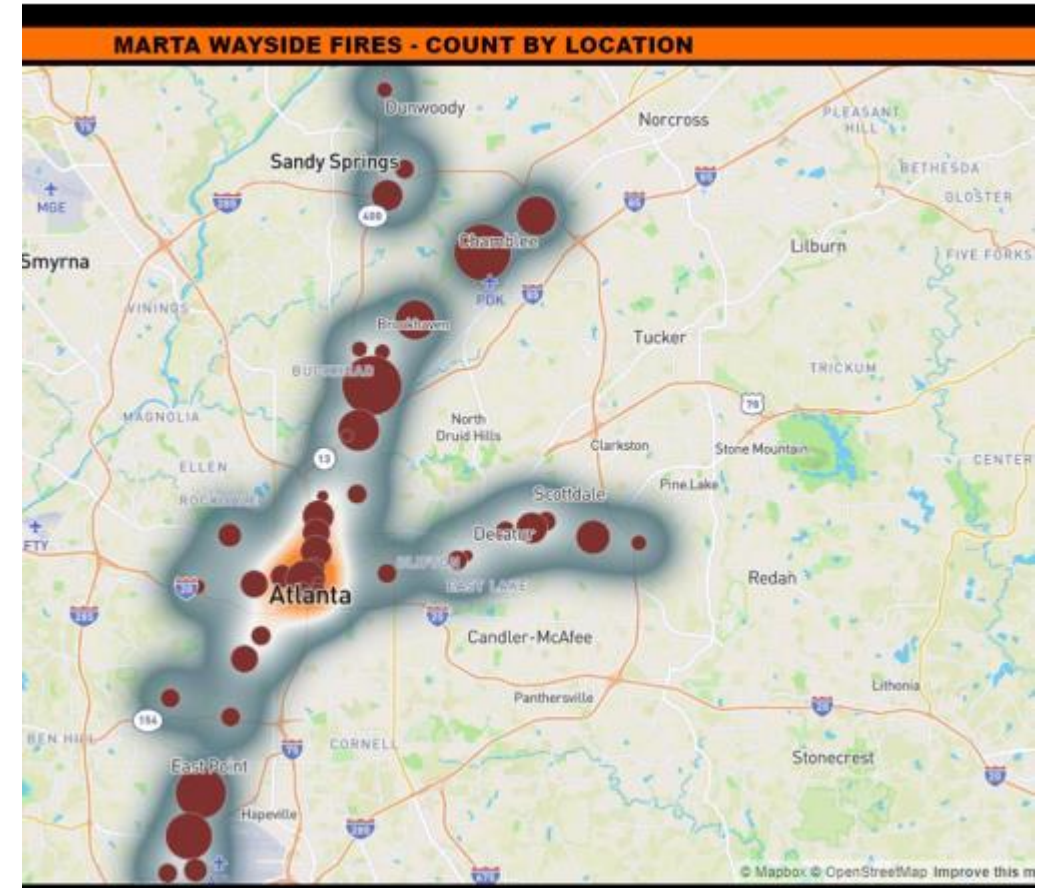
- Labor productivity (how many hours)
- Labor efficiency (how many useful hours)
- Absenteeism
- Vacancies (unavailable capacity)
- Supervisory ratios

MARTA Wayside Fires: A Case Study for EAM



A Case Study in EAM

- Trash in and around MARTA stations was causing a significant number of fires resulting in delays and unsafe conditions
- Requirements analysis indicated a need for a more comprehensive approach to litter management
- Required equipment inventories, financial analysis, contract analysis and revisions to operating practices
- A major new process effort was focused on expanded and verified inspections of wayside sites



Questions?

Key Considerations for EAM Success

- Define your capabilities to address scope and timing options
- Define capabilities of existing systems to determine gaps of data and functionality
- Recognize the key differences between CMMS and EAM
- Create a scoring structure that is comparable across options
- Focus on data consumption to back into integration and reporting requirements

Contact Information

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Thank you.

ZONAR®

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