Leveraging a CMMS to Drive Business Decisions

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Introduction

John Rimer, CFM

- 22+ Years Facility Management
- Numerous Industries & Various Roles
- Owner, FM360 Consulting
- B.S. Mechanical Engineering
- CMMS Experience
  - Selection / Implementation / Support
  - Microsoft, Citadel, Ronald McDonald, University of Cincinnati Health
  - Gaston County and VF
Alphabet Soup...

- **CMMS** – Computerized Maintenance Management System
- **CAFM** – Computer Aided Facility Management
- **BIM** – Building Information Modeling
- **IWMS** – Integrated Work Management System
- **ERP** – Enterprise Resource Planning
- **EMS** – Energy Management System
- **BMS** – Building Management System
Why a CMMS?

“The Nervous System of a Facility Program”

▪ Necessary Business Tool
  ▪ Drive Business Decisions
  ▪ Assess Efficiency & Effectiveness
  ▪ Develop Zero-Based Budget
  ▪ Capital Replacement Program
  ▪ Central Repository
  ▪ Market FM Program
Coordinating & Scheduling

- Prioritize Work
  - Criticality
  - PM vs. CM vs. SR

- Consolidate & Coordinate Tasks
  - Minimize Windshield Time
  - Mitigate overlap of tasks
  - Schedule Downtime

- Pre/Order Material & Parts
  - Parts Bagged & Tagged
  - Parts Runner
  - Auto-Order through Supplier
  - Automate Approval Process
Effective & Efficient

- Efficient Use of Staff/Contractors
  - Coordination & Scheduling
  - Right Task / Right Person / Right Time
  - Dispatch & Confirm
  - Svc Provider CMMS Access
  - PM Completion by Priority
  - % Utilization

- Maintenance Effectiveness
  - PM/CM Ratio
  - Discovery Mode (CM Source)
One Stop Shop
Central Electronic Repository

- Drawings/One-Lines/As-Builts
  - Management/Update Policy
- O&M Manuals, Test Reports, etc.
  - Cx, TAB, Electrical
- Procedures
  - SOPs, MOPs, & EOPs
- System/Equipment Information
  - Critical Spares
  - Equipment Specs
Substantiate Budgets

- Operations Budget
  - Contract labor
  - Internal labor
    - Scheduled (PM/PdM)
    - Unscheduled
  - Parts & Material
- Capital Budget
  - Capital Replacement Program
  - Multi-year forecast (1/3/5/10)
  - Year Installed
  - Life Expectancy
  - Cost of Install/Replace
Risk & Compliance Management

- Change Management
- Organized Records/Certificates
- Maintenance Reports
- Training Management
- Document Management
- Emergency Preparedness
- Incident Management

“Think Like a Lawyer…”
Drive Business Decisions

- Risk, Strategy, & Revenue
  - Rule 100/10/1
  - Triple Bottom Line

- Monitor Performance
  - Auto-Reports, Dashboards, & KPIs
  - Tie to Strategic Objectives

- Data-driven decisions
  - Failure Analysis (Failure Codes)
  - Uptime/Downtime
  - Reduced Redundancy
Market FM Program

- Touchpoints
- Customer Interaction
  - Receive Service Requests
  - Communicate Expectations
  - Provide Status Updates
  - Solicit Feedback
- Marketing with KPIs
  - Customer Satisfaction (“We Care”)
  - Highlight Progress
  - Benchmark Performance

“Always Selling...”
How to Select a CMMS

- Common Reasons for Failure
- Steps to Selecting a Provider
- Key Functions of a CMMS
- Other Factors to Consider
- Going Mobile
- System Integration
CMMS is Not a Four-Letter Word...

Common Reasons for Failed CMMS

- Wrong System for the Job
- Old, Slow System
- Homegrown
- Budget to Install but not to implement
- Insufficient planning & Stakeholder Buy-in
- Lack of Knowledge & Experience
Steps to Selecting a CMMS

- Identify Stakeholders
- Define the Processes/Workflow
- Develop System Requirements
- Create Assessment Matrix
- Evaluate Qualifying Vendors
  - Perform Test Fit
- Budget & Schedule for Success
  - Training & Support
- Solicit help
Other Considerations

- Online/Cloud vs. In-House
- 90% Out-of-the-Box
- Ease of Use
  - Minimize Work-Arounds
  - Quick Clicks
- Reporting Capability
- Stability & Reputation
- Champion – Find One & Be One!
Going Mobile...

Advantages

- Capture data on the fly
- Incorporate pictures
- Quicker response
- Utilize GPS/GIS
- More accurate data
- Info at Fingertips
- Keep trades in the field
Going Mobile...

**Challenges** (How to Overcome)

- **Costs**
  - Offset by Increased Productivity
- **Ruggedness**
  - Lower cost equipment
  - Rugged cases
- **Chicken-Pecking**
  - Dropdown Lists
  - Utilize 2D/3D codes
  - Voice Recognition
- **Change**
  - “Makes their life better”
  - Not Big Brother
Work Smarter...

- Integration through API
  - Application Program Interface
- Condition Based Maintenance (CBM)
  - BMS to CMMS
  - Metering
- Change Requests
- Financial Data
  - Purchase Orders & Invoices
  - Chargebacks
- Human Resources
  - Timesheets
Implementation/Improvement

Start with a Plan
- Realistic
- Prioritized
- Phased
  - Site/Building/Department
  - System/Function
  - Module
- Budget for Resources
  - Hire Admin/Coordinator
  - Outside Support
Recap

- Value of CMMS
  - Necessary Business Tool
  - Increased Productivity
- Common Reasons for Failure
  - Don’t Know What You Don’t Know
- Selecting a CMMS
  - User Requirements before Shopping
- Start with a Plan
  - Realistic Schedule & Budget
Questions?

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