Simplifying Facility Asset Management, A to Z with Maximo

Doing the right work, at the right time, for the right cost to deliver a "VIP" experience for all

West Mountain Maximo Users Group May 12, 2022

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WEST MOUNTAIN Maximo Users Group

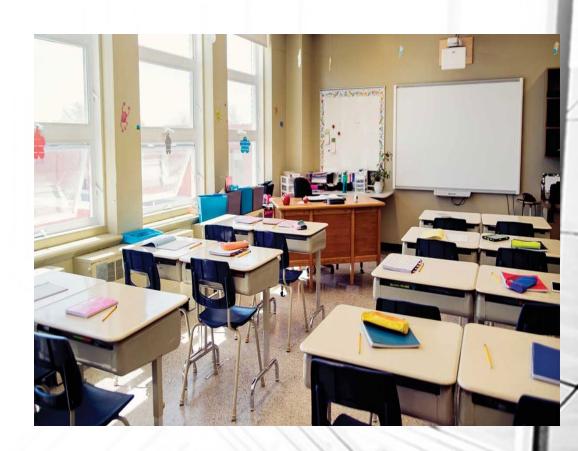
Who are your VIPs?

- Museums Patrons, Guests
- Resort/Hotel Guests
- School Districts Kids, Teachers
- Universities Students, Faculty
- Sports Venues/Stadiums Fans
- Public Buildings Tenants, Citizens
- Retail Shoppers
- Utilities Residents, Businesses, the Public
- · Who else?



What do your VIPs deserve?

- Clean, comfortable spaces/rooms/offices/classrooms.
- Proper ventilation & temperature.
- Pleasant lighting and environment.
- Updated furniture; working appliances.
- Hygienic restrooms & functioning fixtures.
- Reliable water, electricity, plumbing, heating/cooling, internet.
- Safety and Security.
- Everything in good working order, quick response when things happen!



What detracts from the VIP experience?

- Leaking roofs & plumbing.
- Environment too hot or cold, broken HVAC.
- Faulty utilities, inadequate electric service, spotty internet.
- Restrooms, pool, spa, playground, cafeteria, amenities out of order.
- Backed up plumbing, water fixtures not working.
- Entire buildings, sections of buildings off limits.
- Crumbling walkways, stucco, peeling paint/wall coverings.
- Construction disruptions and noise.

and more....



How can we ensure a great experience using Maximo?

- 1. Prevent failures so they don't impact our VIPs.
- 2. Catch issues before they disrupt their experience.
- 3. Simplify reporting of problems when they do happen, Respond quickly & Resolve immediately
- 4. Err on the side of Reliability, even if it may cost a little more.
- 5. Facility Lifecycle Management & Capital Planning

Prevent failures so they don't impact our VIPs.

Focus on common & high impact problems





Configure Maximo PMs, Job Plans

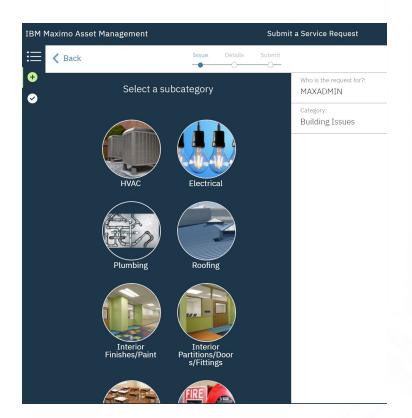
Execute the Work behind the scenes



Catch issues before they disrupt their experience.

Inspections, Sensors/IoT





Submit a Service Request, Maximo CdM

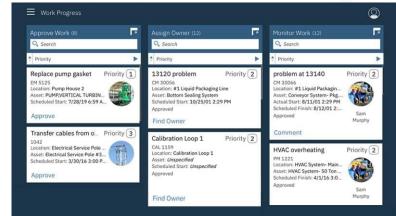
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Execute the Work behind the scenes



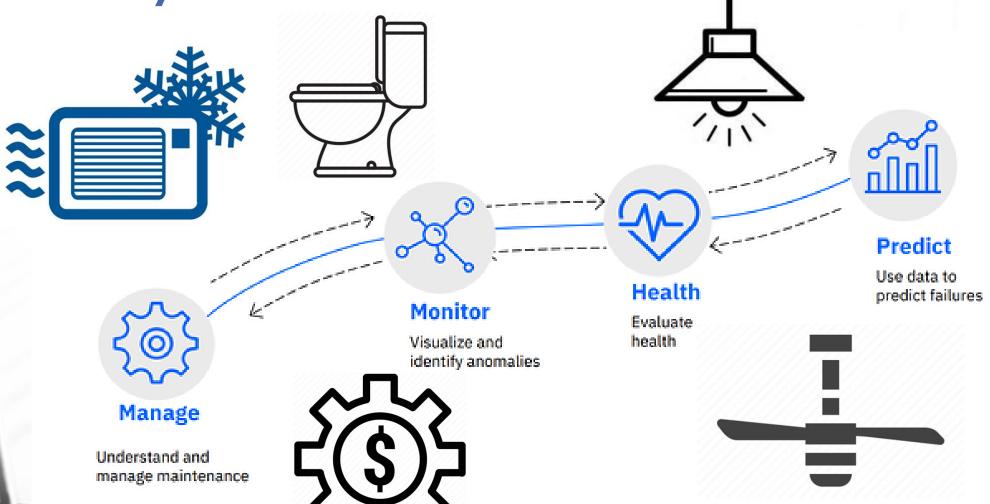
Simplify reporting of problems when they do happen, Respond quickly & Resolve immediately







Err on the side of Reliability even if it may cost a little more.



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Facility Asset Lifecycle Management & Capital Planning...in Maximo

R&M Backlog vs Deferred Maintenance

R&M Backlog

\$382M - 2012 R&M Backlog

\$293M - 2017 R&M Backlog

\$868M - 2018 R&M Backlog

\$973M - 2020 R&M Backlog

\$1.4B - 2021 R&M Backlog

\$1.4B



\$188M - CRITICAL AC Deferred Maintenance

\$94M - CRITICAL Sewer Deferred Maintenance

\$158M – CRITICAL Water Deferred Maintenance

\$138M - CRITICAL Electrical Deferred Maintenance

\$200M – CRITICAL Roofing Deferred Maintenance





eferred Maintenance









Facilities Asset Management (FAM) Best Practices & Objectives

| Question/Objective | How to make it happen? | |
|---|---|---------|
| What assets/facilities do we own/sustain and what information is necessary? | Building List, Location/Asset Registry, Facility Inventory, Facility Data | |
| Which assets/facilities/buildings are critical? | Risk ranking, criticality, condition index, and prioritization, HI FIT | |
| What are the current state of the assets/facilities? | Building/Facility Profile, Facility Condition/Needs Assessments, deficiencies, A&E Needs Assessments/Surveys | ibiki. |
| What work needs to be done now? next? in the future? | Maintenance Work Orders, Deficiencies, Projects, Project Lists, Work Plans | naximo° |
| What is the Status of current work? | Maximo Master Project Database, Enterprise Project Reporting & Tracking | |
| What is the required level of service/performance? | Asset/facility lifecycle management plans | 2 |
| What are the best sustainment strategies? | Maintenance and operations plans, preventive maint. | |
| What are the best investment strategies? | Capital improvement plans, maintenance & operations budgeting, repair/replacement planning | |
| What is the best long-term funding & Operations/Maintenance strategy? | Lifecycle replacement and expansion plans, asset/facility & system useful life forecasting, funding & budgeting projections | |
| ORANGE is Facilities Info, BLUE is Criticality | & Condition Assessments (later), GREEN is Projects | |

The Enterprise Facility and Asset Management Platform



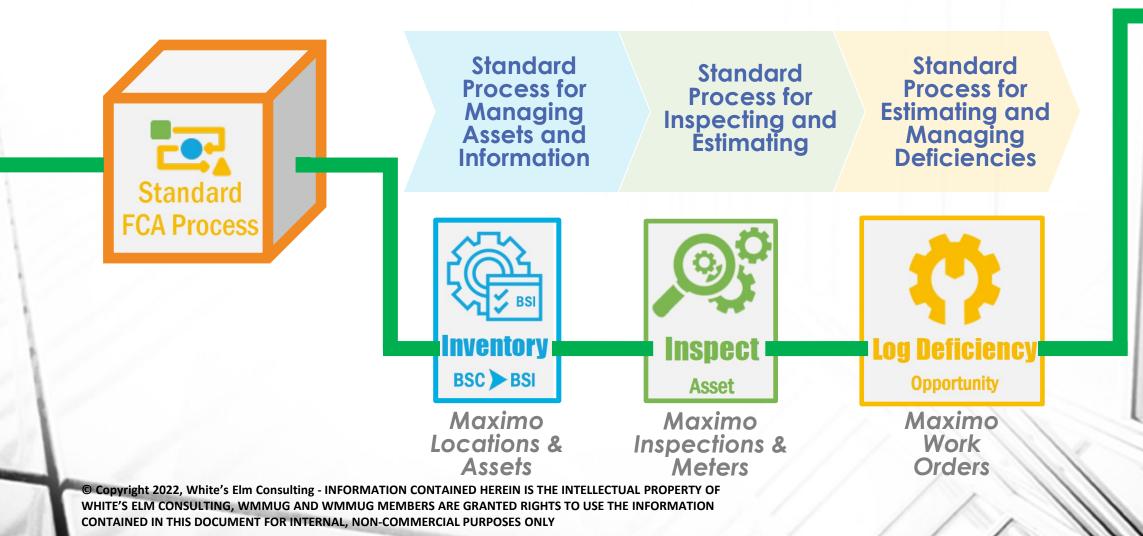






Maximo Locations, Assets, PMs

Facility Condition Assessment



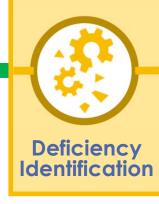


Deficiency Management

Maximo Work Order Plan

Revised Scope and Estimate





Maximo Work Order

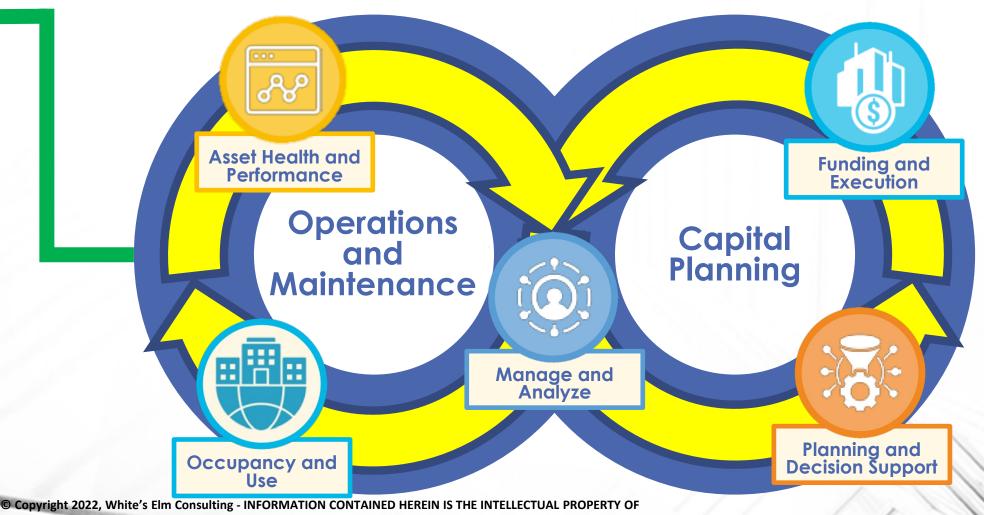


Maximo Work Order Plan



Maximo Work Order Priority

Facility Lifecycle Planning and Continuous Improvement







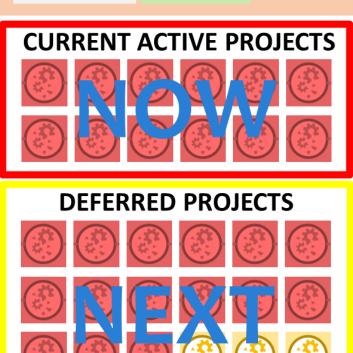
Maximo FAM "Master Projects Database"

is **THE** repository for facility assets, routine maintenance, repairs and deferred maintenance projects.





Routine



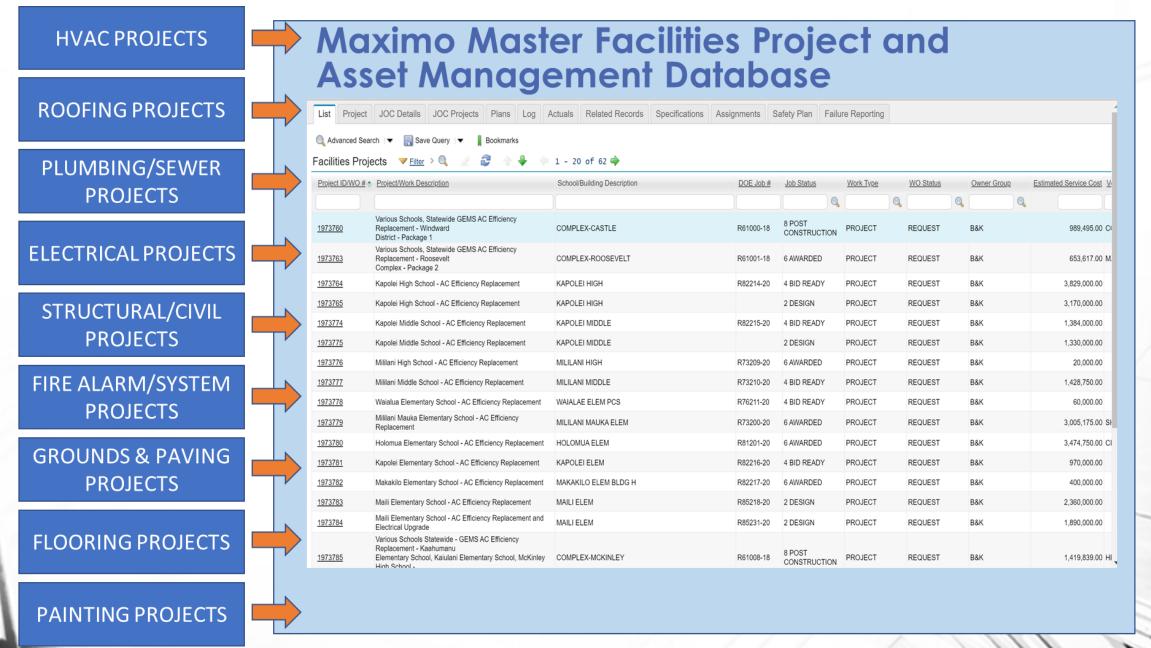
FUTURE PROJECTS

- Instructional Needs
- Capacity Needs
- Age/Condition
- Real Estate/Space
- Legislative









ENTERPRISE TECHNOLOGY ARCHITECTURE for FAM (Facility Asset Management)







Management

