

Network: Menger Guest

WiFi Password: Royrogers



FEBRUARY 3-5
2026

SAN ANTONIO
TEXAS

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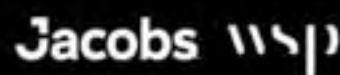
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POND

Network: Menger Guest

WiFi Password: Royrogers



WELCOME BACK

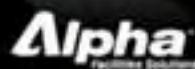
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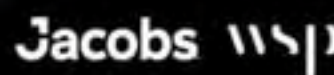
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POND

Enterprise Buildings Domain LIVE

Kurt Sorensen
Paul Schowalter

DIGON Systems



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Expectation Setting

This product is actively under development

- **Goal:** Familiarize yourself with enough to plan a future after BUILDER

Agenda

Intro to ESMS 5-Step Process



Inventory



Assess



Forecast



Plan



Analyze



Welcome to ESMS

[REQUESTING AN ESMS ACCOUNT](#)

[SMS SUPPORT](#)

Sign in with

EAMS

AZURE



EAMS-A



ENTERPRISE ACCESS MANAGEMENT SERVICE-ARMY

PKI Login

MobileConnect

Passkey

ECA PKI

Trouble logging in?

[Reset Password](#)

[Create Account](#)

For assistance please
contact the AESD



AESD-Worldwide
1-866-335-ARMY

(AESD portal account setup required)





Top Navigation



Side bar

- Current Organization: Interagency ESMS
- Domains: Active (10)
- Home
- Inventory
- Assess
- Reports

Frequently Visited

Paul's Test Building

Inventory
1 month ago

Cost

Reference Books
1 month ago

Work - Work Analysis

Assessments Work
1 month ago

Reports

Reports
1 day ago

CH05

Inventory
1 day ago

Recently Visited

	Name	Type	Location	Date	Time
	CH05	Component	Inventory	06/03/2025	14:07
	CH05	Component	Inventory	06/03/2025	14:07
	Kelly's Test Component	Component	Inventory	04/03/2025	14:05
	Assessment Detail	Assessment Detail	Assess	06/03/2025	14:02
	RZ Test - Paul	Component	Inventory	06/03/2025	14:01

Main Window



Domains

- No more stovepipes
- Categories of Real Property Infrastructure
- Specialized Assessment Methods
- Dedicated Catalog



Domain Groups

Report on assets across Org/Site/Facilities

View assets across multiple domains within the same dataset.

BUILDER efforts will be the "Facility – Buildings" Domain

RAILER activity moved to "Transportation – Rail"

Utilities Domains Introduced

Others

Fuels

Waterfront

Water Control

Facility - Building

Transportation - FUEL

Transportation - Pavement

Transportation - Rail

Facility - Roofing

Utility - General

Utility - Electrical

Utility - Water

Utility - Sewer

Utility - Gas

Utility - Thermal

Utility - Stormwater

Utility - Waste Management

Structure - Waterfront

5-Part Process (CERL)



1. Inventory

- Knowing what you have



2. Assess

- Input observed condition



3. Forecast

- Estimate future performance (CI and RSL)



4. Plan

- Create work based on organization rules



5. Analyze

- Look at reports to take actions



1. Inventor

BUILDER Inventory

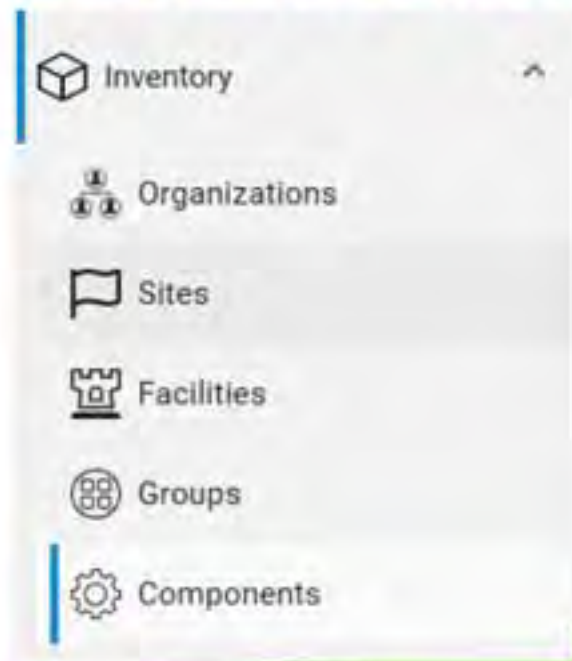


DIGON Systems

- 2026 - BUILDER Summit
 - 001 - San Antonio
 - 001 - Pauls Building
 - B30 ROOFING
 - B3010 ROOF COVERINGS
 - SOUTH ADDITION B301001 STEEP SLOPE ROOF SYSTEMS Asphalt Shingles

VS

ESMS Inventory



- Inventory
- Organizations
- Sites
- Facilities
- Groups
- Components



Organizations and Sites

- Created on the "back end" for safety and real property alignment
- Now support assets not "Sustained" by that site



Assets

- Flexible for domains and strict alignment to Real Property Asset databases

Building



Utility Line



Parking Lot



New ESMS Asset Fields!

Create Asset

Location:

Domain:

Name: Subasset:

Type: Mission:

Asset Name: Quantity:

Asset Type: Asset Status: Computed User Entered

Construction Date: Exact Construction Date Known

Construction Year: Exact Rebuild Date Known

Asset Status: Exact

Classification:

Summary:

Comments:

Grouping

- Supports the current BUILDER Complex feature
- Flexible to allow overlapping groups



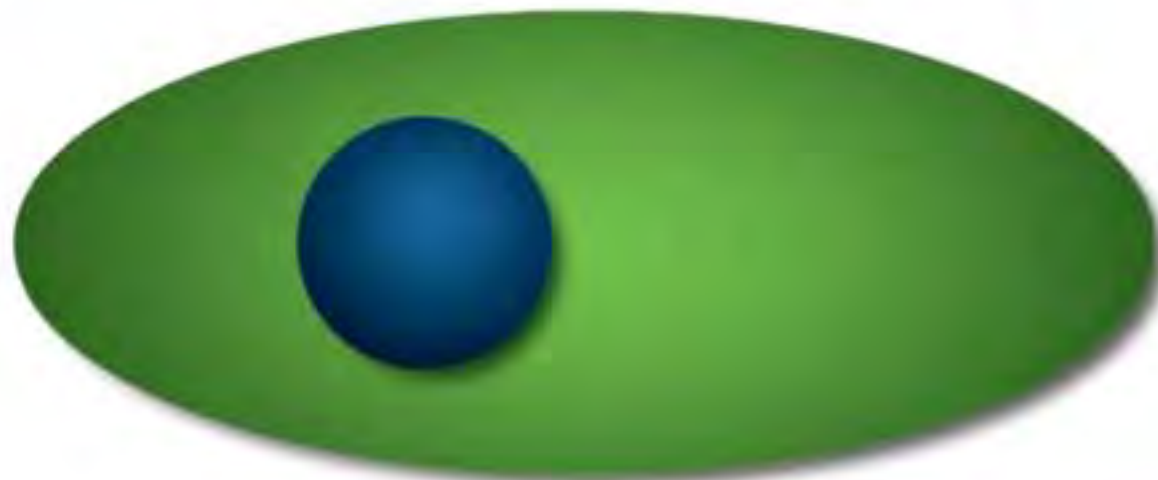
Components

- Easier alignment to CMMS
- Components can still have multiple pieces of equipment (AKA Section Details)



Component Grouping

Across multiple sites, within one site or one asset



2. Assess



- Multiple Assessment Forms
 - Direct Rating
 - Distress Survey
 - Functionality Elements
- Updates Condition Index on each Asset or Component
- Workspaces enable field assessment tool



Assessment Templates

- Direct Ratings
- Direct Ratings + (Refrigerant)
- Distress Survey (yes, subcomponents still matter)
- Sky is the limit!



Adding Assessments (on the web)

- Able to from multiple places in the UI
- Asset assessments create a FI
- Component assessments update the CI



What about in the field?

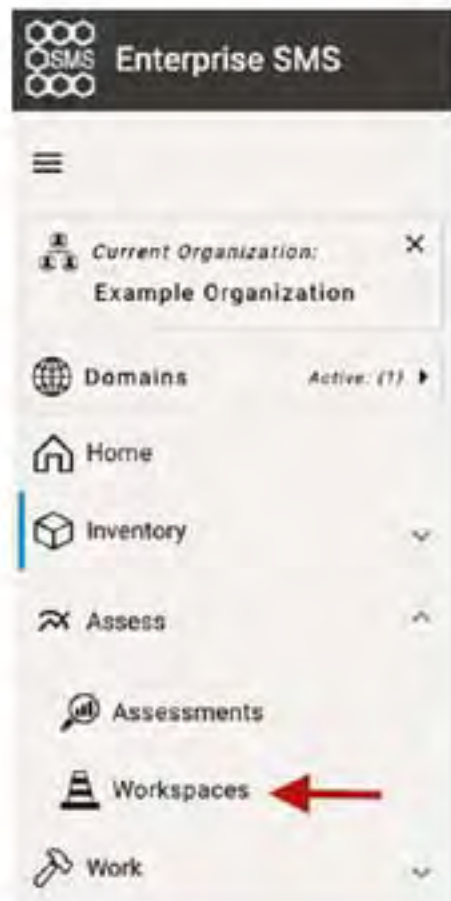


Mobile Information Collection Application (MICA)



Workspaces

- Identify Scope and Users
- Data locks
- Allows for approval & merge



BRED Process

Select Inventory
Export BRED File

Perform Inventory and Assess
Uses BRED or Pen/Paper

Upload BRED Files
Review Final Reports

Planning

Inventory & Assess

Work Acceptance

1

2

3

4

5

Delegating

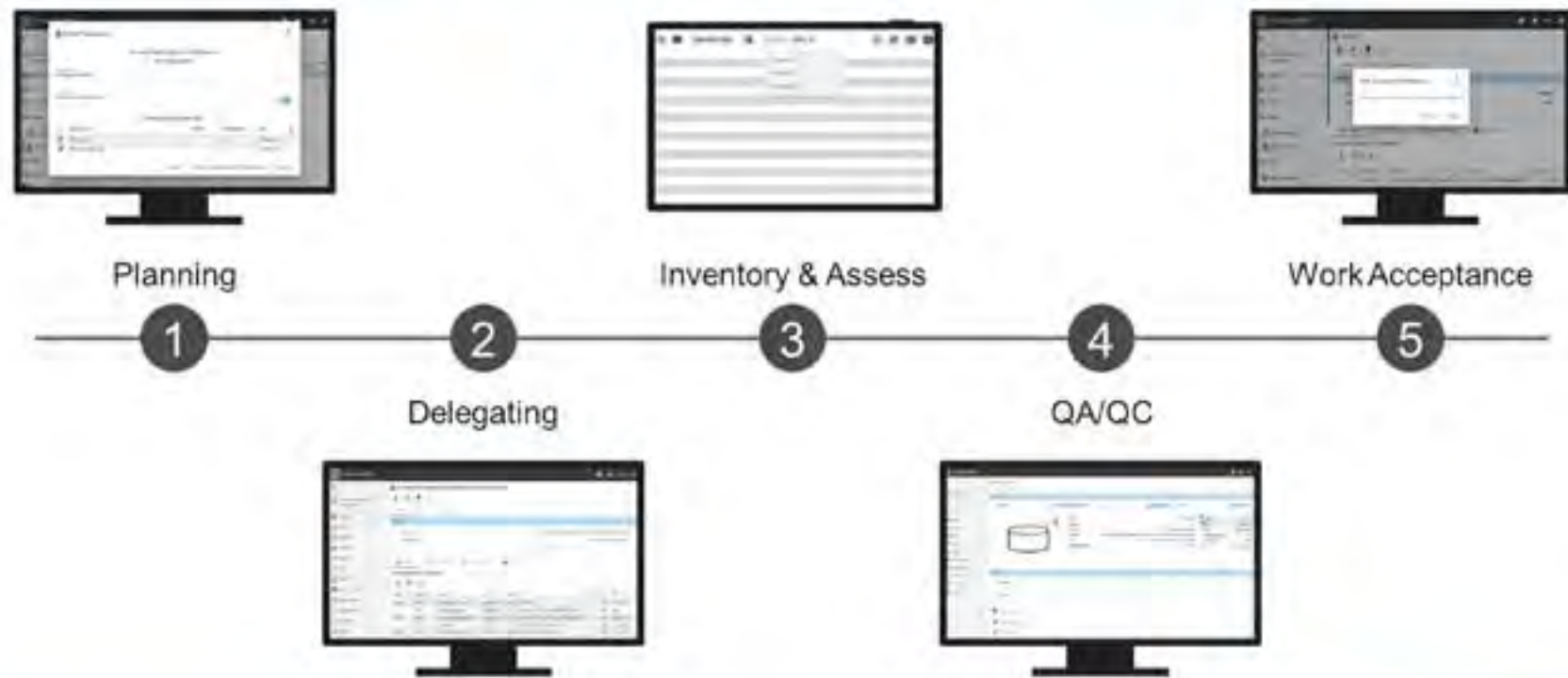
QA/QC

Copy/Split BRED Files
Distribute to Inspectors

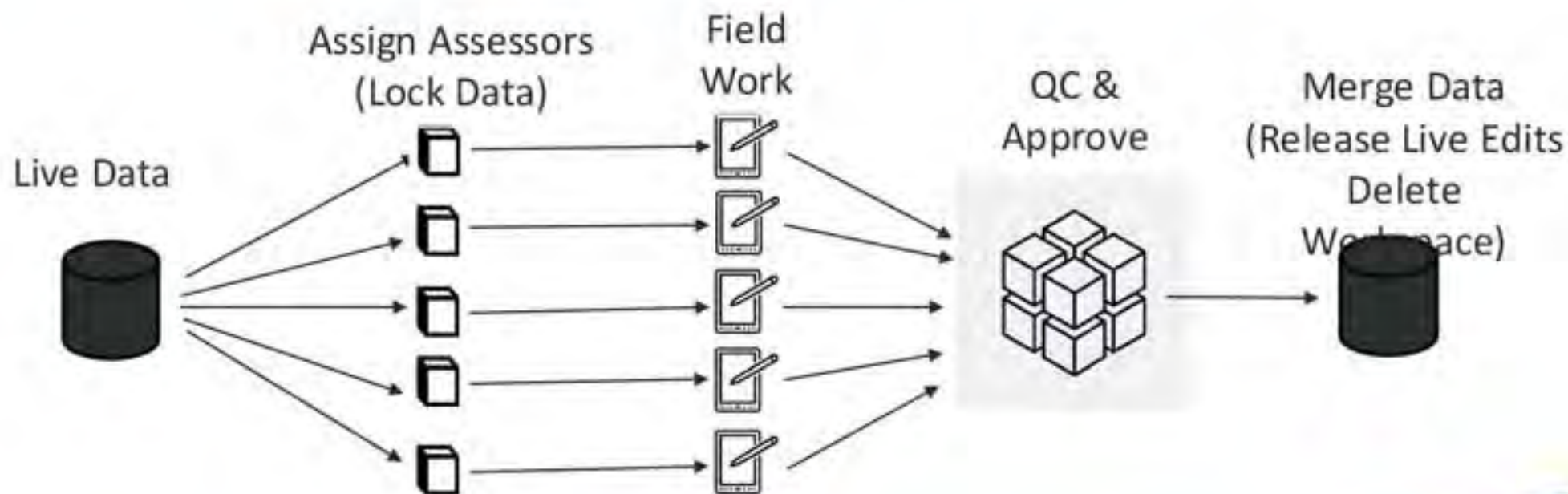
Review disparate BRED Files
Recombine Files
3rd Party Review Tools



ESMS Application (MICA)



Workspace Data Processes



Workspace User Interface

Create your Workspace -> Select your Assets -> Live data is locked

The screenshot displays the 'Enterprise SaaS' interface with a 'Create Workspace' dialog box open. The dialog shows the current organization as 'Example Organization' and lists four workspace assets in a table.

Asset Name	ASID	Asset Number	Site
Research Lab	12345	1001	Example Site
Water Treatment Plant	12345	1002	Example Site
Research Laboratory	12345	1003	Example Site
Manufacturing Plant	12345	1004	Example Site



Assign Users & Approver

Inventory and Assessment of Fort Example, North Quad

General

Name: Inventory and Assessment of Fort Example, North Quad
Description: For Example North Quad

Assets Search | 5 Results

ID#	Number	Name	Qty	CATCODE	Quantity	Unit
000013	EXMP1	Gas Distribution Utility	Example Site	631464 - GAS MANG	300	Linear Feet
0002		Research Laboratory	Example Site	01701 - LAB AND TEST EQUIPMENT, GENERAL PURPOSE	15,000	Each
000013	EXMP1	Electrical Distribution Utility	Example Site	612221 - PRIMARY DISTRIBUTION LINE UNDERGROUND	2,000	Linear Feet
024		Ready Road	Example Site	60710 - CONTINGENT AREA ROADS, PAVED	3,400	Square Yard
000013	EXMP1	Water Distribution Utility	Example Site	643340 - WATER DISTRIBUTION MAIN	1,200	Linear Feet

Inventory and Assessment of Fort Example, North Quad

Users

User Name	First Name	Last Name
John@Example.com	John	Example
John.D@Example.com	John	D

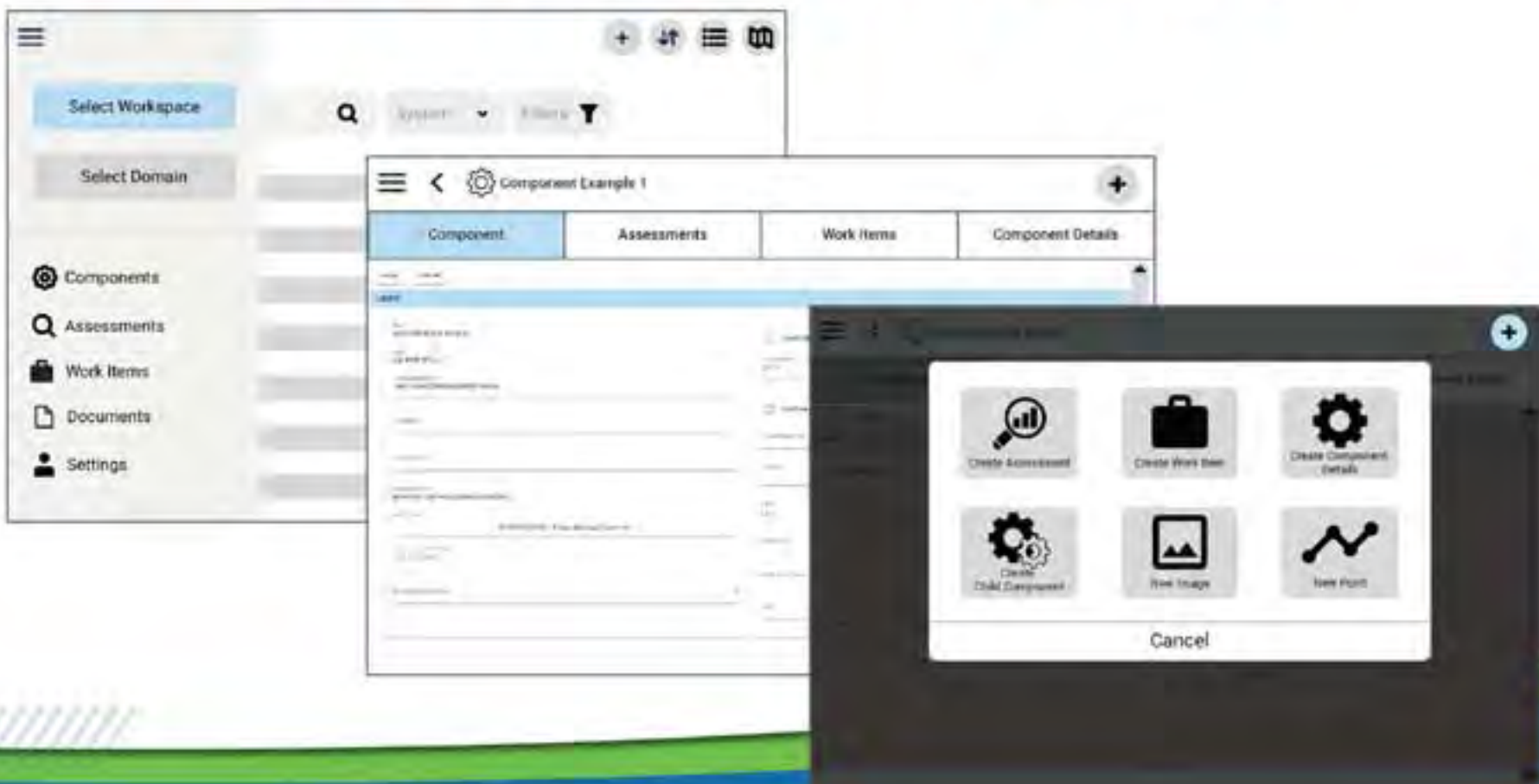
Inventory and Assessment of Fort Example, North Quad

Users

User Name	First Name	Last Name
John@Example.com	John	Example



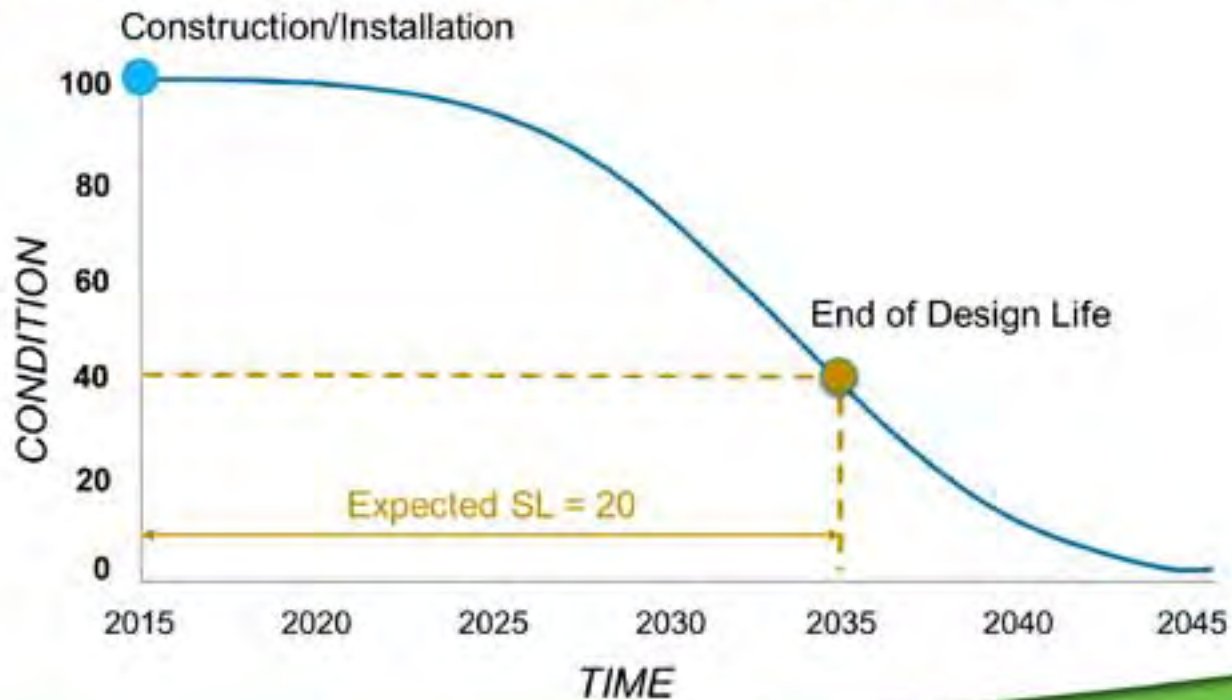
ESMS Mobile App (MICA)



3. Forecast



- Future condition prediction based on life-cycle curve

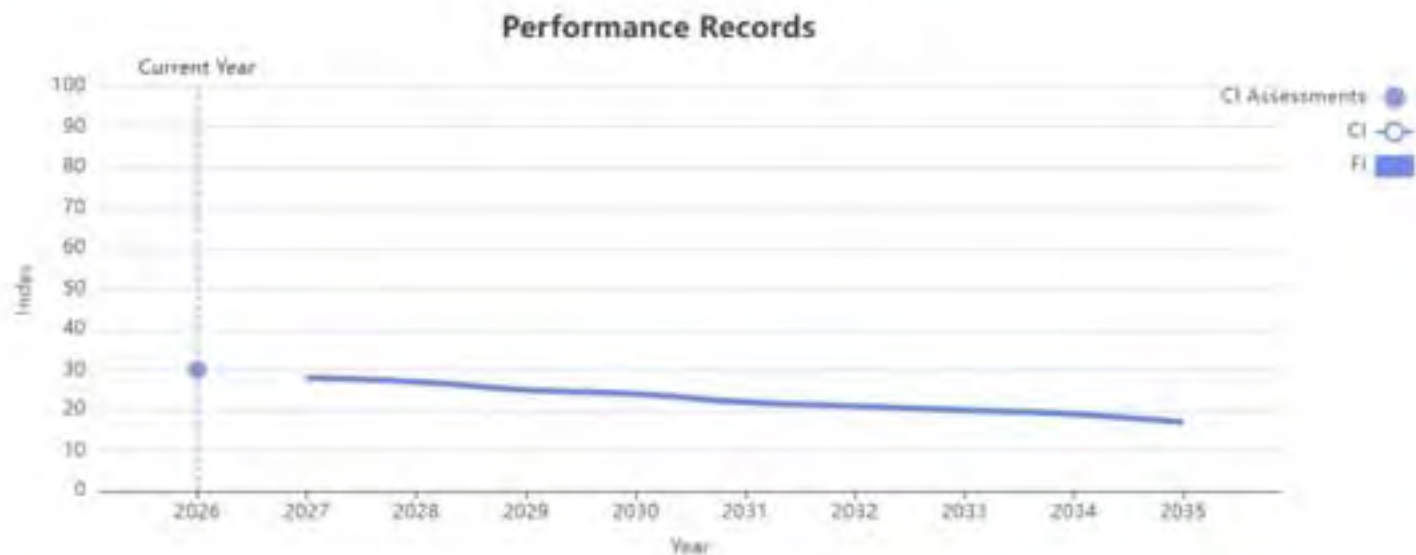


Forecasting and Assessments



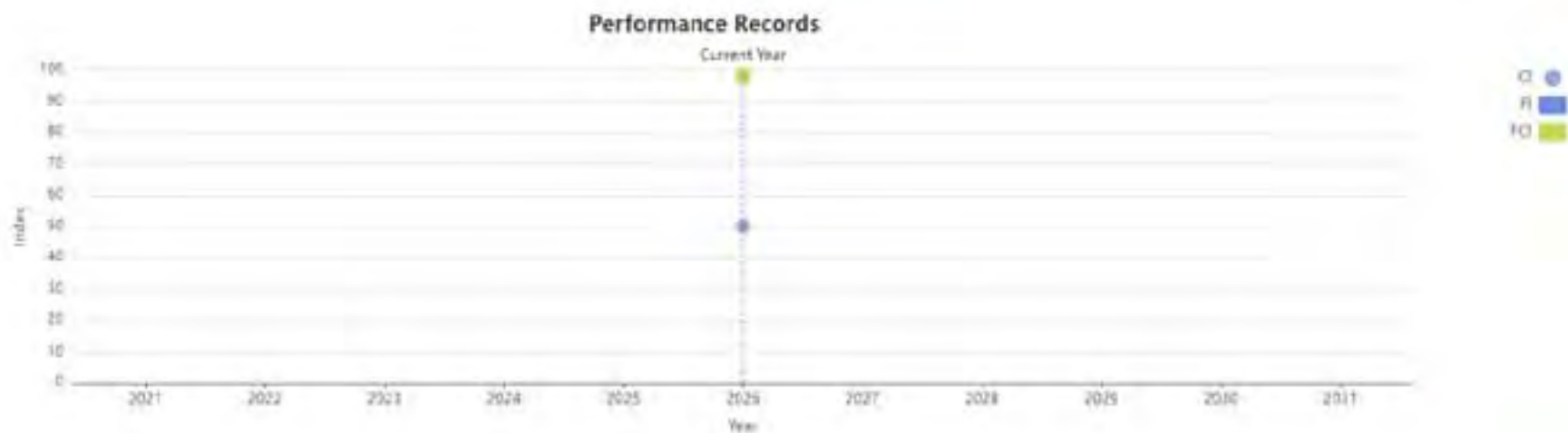
Component Prediction

Performance Records



Key Metric Performance History

Performance Records





SMS
SUMMIT

BREAK

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RPA Real Property Asset
ASSOCIATION

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Alpha
Facilities Solutions



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4. Plan



- Identify work to address deficiencies and plan repeated activities
- Work Types
 - Replace
 - Global Repair
 - Local Repair
 - Maintain
 - Inspection



Work Policy

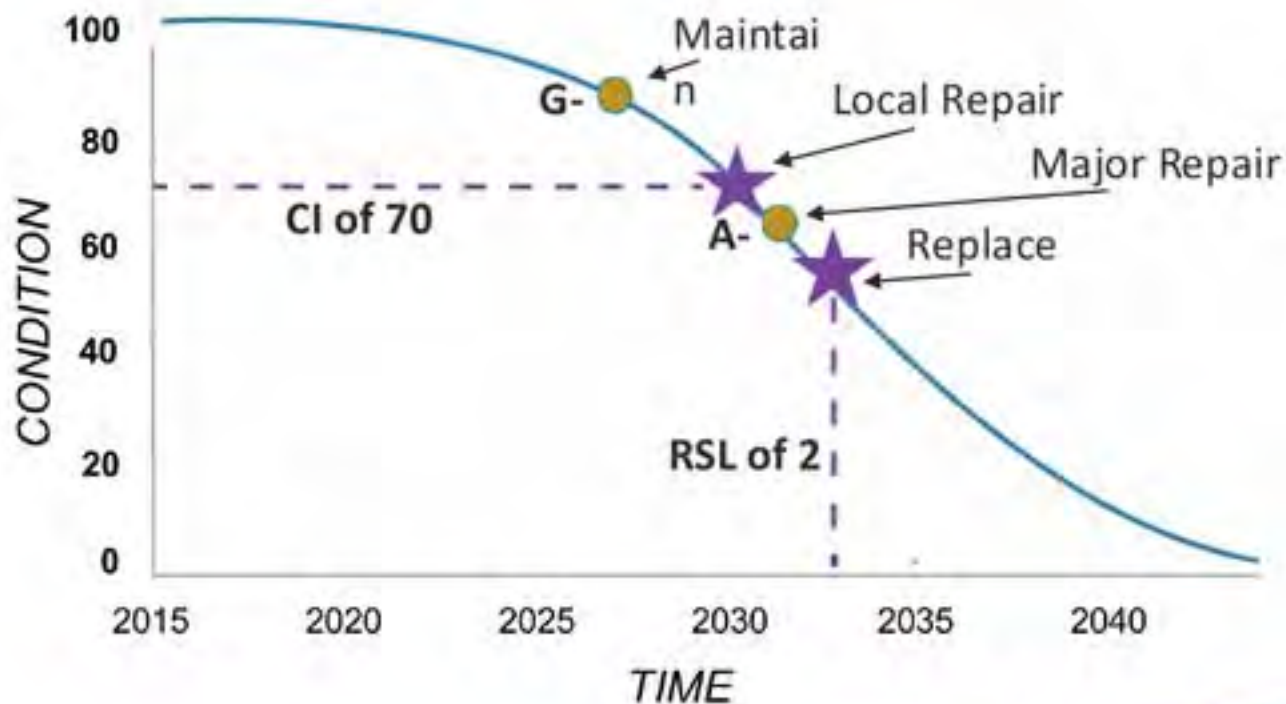
- Create a “Policy” with multiple “Standards”
- Each “Standard” has a Scope
- Then create “Rules” to create all the different rule types



BUILDER Work Configuration



ESMS Work Triggers



Work Trigger Order

			Standard Name	Standard Scope	Replace	Global Repair	Local Repair	Maintain	Inspection
⋮	✎	🗑️	High MDI	🔗(4) Rules	🔗(3) Rules	🔗(2) Rules	🔗(3) Rules	🔗(3) Rules	🔗(1) Rules
⋮	✎	🗑️	Low MDI	🔗(3) Rules	🔗(4) Rules	🔗(0) Rules	🔗(0) Rules	🔗(0) Rules	🔗(0) Rules
⋮	✎	🗑️	Excess / Inactive	🔗(3) Rules	🔗(0) Rules	🔗(0) Rules	🔗(0) Rules	🔗(0) Rules	🔗(0) Rules
⋮			Default	🔗(4) Rules	🔗(1) Rules	🔗(0) Rules	🔗(0) Rules	🔗(0) Rules	🔗(0) Rules

Only one work item per component

First to trigger work (Left to Right) & (Top to Bottom)



Work Priority Scoring

- Create a Priority Objective
- For each Objective, set a “Weight” then identify one or more “Measures”
- Then for every “Measure” create one or more “Rules” to get a score

The screenshot displays a user interface for configuring work priority scoring. It is organized into a tree structure under the heading "Objectives".

- Objective 1:** "Mitigate Risk" (Weight: 100). It contains two measures:
 - Measure 1:** "Known Bad" (Weight: 50). It has one rule: "Known Bad".
 - Measure 2:** "Predicted Bad" (Weight: 50). It has one rule: "Predicted Bad".
- Objective 2:** "Important Facilities" (Weight: 50). It contains one measure:
 - Measure 1:** "MCI" (Weight: 50). It has one rule: "MCI".

Each measure and rule includes an "Edit Rules" button. The interface uses a clean, modern design with blue and green accents.



Work Profile

- Identify Reference Data & Number of Years
- Identify your “Policy” and “Priority”
- Set the “Scope” of what Orgs / Sites / Groups you want to identify the work within.
- Limit Funding

The screenshot displays the 'Work Analysis' configuration window. At the top, there are tabs for 'Priority', 'Enable', and 'Work'. Below these are several control icons: a plus sign, a play button, a document icon, a trash can, and a lock icon. The main area is divided into two columns. The left column shows a search for 'Summit Prep' with a list of results including 'USAF Cost Book', 'USAF Service Life Book', and 'Summit Policy'. The right column shows a search for 'Summit Prep' with a list of results including 'Air Force Inflation Book', 'Air Force Component Importance Book', and 'Summit Priority'. At the bottom, there are checkboxes for 'Ignore Work Items' and 'Use Weider climate model', and a 'Working mode' section with radio buttons for 'Limited' and 'Unconstrained'. A status bar at the bottom indicates '4 scopes selected'.



Profile Work Generation

- Press “Play” to generate work
- Check Notifications for status
- Like Scenarios, your profile work is available for viewing, downloading, or copy into the work plan.

WMA

Summit Prep

Created On 01/27/2026 Managed On NONE
Created By kurt.sorensen.spn Managed By NONE
Percent Complete 100
Status SucceededWithErrors

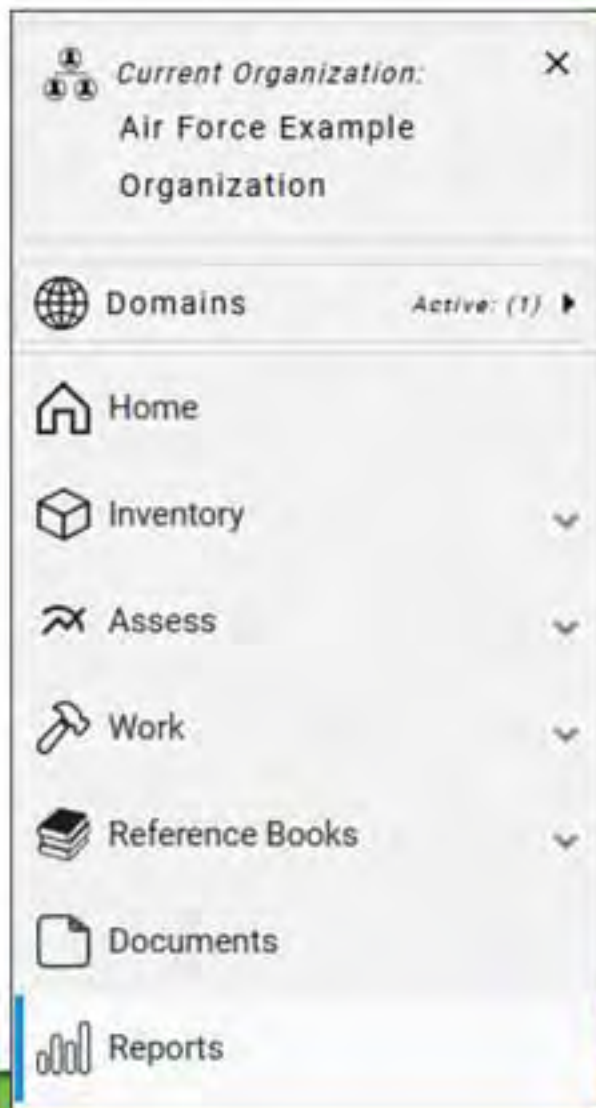
Work Activity Search | 5 Results

Activity Type	Managed Object	Year	Total Cost	Photobooth Score	AssetType
Replace	Wall Foundation	2025	\$113,400.00	100	SPLAT2 GYM
Replace	RESTROOM	2025	\$4,995.00	100	SPLAT2 GYM
Replace	Water Closet	2025	\$9,414.00	100	SPLAT2 GYM
Replace	Structural Slab On Grade	2025	\$218,485.00	100	SPLAT2 GYM
Replace	Standard Interior Doors	2025	\$19,210.00	100	SPLAT2 GYM



5. Analyze

- All previous steps form an interactive visualization
- Create and respond to data requests
- Share data with reports
- Bottom line: Make better-informed decisions with real-time data

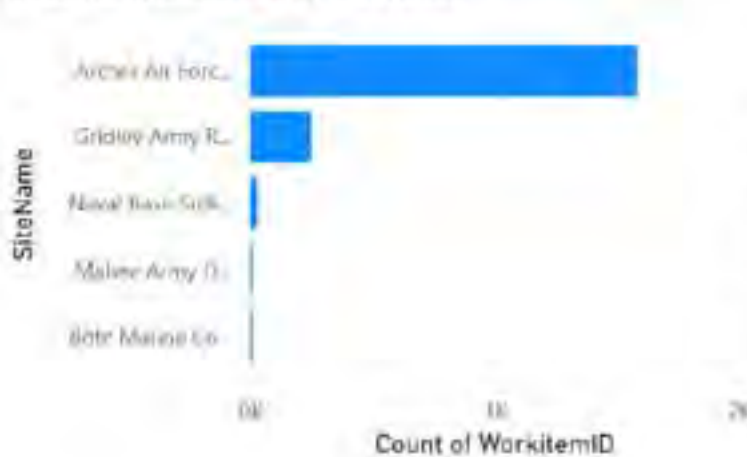


The image shows a vertical sidebar menu from a software application. At the top, it displays the current organization as 'Air Force Example Organization'. Below this, there is a 'Domains' section with a globe icon and a status indicator 'Active: (1)'. The main menu items include 'Home' (house icon), 'Inventory' (cube icon), 'Assess' (wrench icon), 'Work' (hammer icon), 'Reference Books' (stack of books icon), 'Documents' (document icon), and 'Reports' (bar chart icon). Each item has a dropdown arrow on its right side.

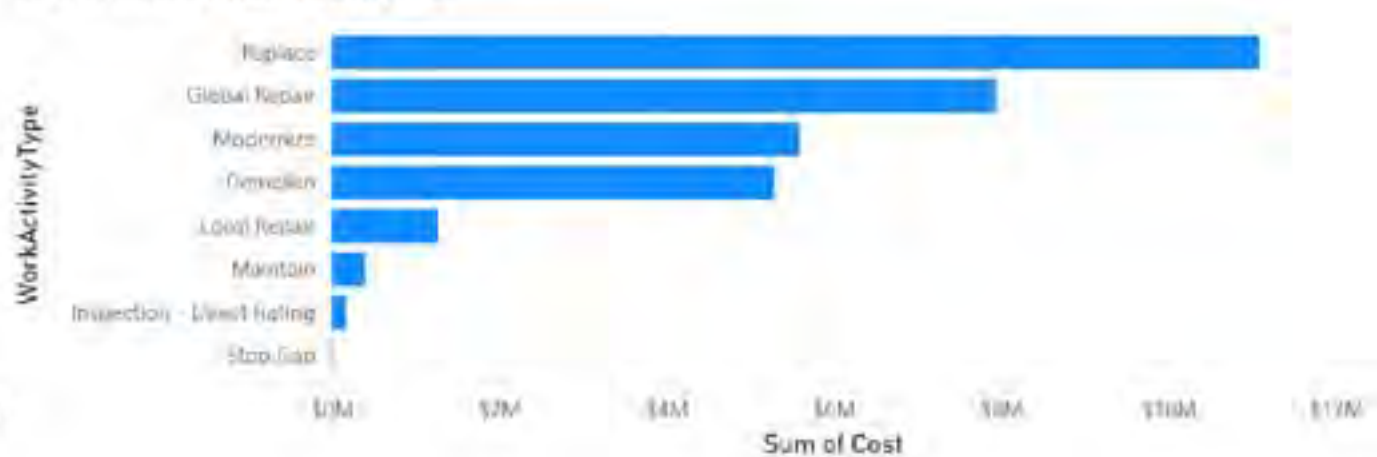
- Current Organization: Air Force Example Organization
- Domains *Active: (1)*
- Home
- Inventory
- Assess
- Work
- Reference Books
- Documents
- Reports



Count of WorkitemID by SiteName



Sum of Cost by WorkActivityType



WorkActivityType SiteName	Global Repair		Inspection - Direct Rating		Replace		Stop Gap		Total
	Sum of Cost	Count of WorkitemID	Sum of Cost	Count of WorkitemID	Sum of Cost	Count of WorkitemID	Sum of Cost	Count of WorkitemID	Sum of Cost
Archer Air Force Base	\$5,927,707	170	\$145,510	640	\$6,744,113	09			\$12,817,330
Bote Marine Corps Base					\$8,496	1			\$8,496
Gridley Army Research Area	\$1,657,359	53	\$22,760	99	\$3,364,409	29			\$5,054,508
Mabee Army Depot	\$5,150	1			\$4,444	2	\$2,000		\$11,594
Naval Base Sullivan	\$136,281	13	\$1,760	7	\$978,719	6			\$1,316,760
Total	\$7,936,497	445	\$170,010	746	\$11,100,181	123	\$2,000	1	\$19,208,688

5-Part Process (CERL)



1. Inventory

- Knowing what you have



2. Assess

- Input observed condition



3. Forecast

- Estimate future performance (CI and RSL)



4. Plan

- Create work based on organization rules



5. Analyze

- Look at reports to take actions



Other Capabilities



- API
- Batch Files Configuration
- Catalog Management
- Cost Modifiers
- User Permissions / Management

Additional Training

<https://training.sms.erdcdren.mil/>

E-SMS



E-SMS Field Application

This course provides the meeting videos and slide decks of the ESMS Field Application demonstrations.

E-SMS



E-SMS Administrator Training

This course will fill the requirement of training for ESMS Organizational and Site Administrators.

33% complete



Moon Force – Training Exercise

- ESMS “Story” Training
 - Facilities Director
 - Team Lead
 - Assessor
 - Data Analyst
- You will perform a task as one of the roles in a hosted environment



DIGON's 7-Part Process

1. Plan

- Setup the system and usage guidelines to make the system work for you

2. Load

- Bulk load of existing data
- Understand system of record and sustainment processes

3. Field I&A

- Workspace creation and team planning
- Field input of inventory and condition using mobile application

4. QA

- Identify problematic information
- Update information in the web application

5. Work Plan

- Make a work plan & identify projects

6. Report

- Understand key metrics and models
- Provide contract and team deliverables

7. Sustainment

- Update the data with changes





Questions?

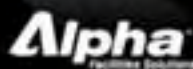
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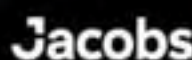
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THANK YOU

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Paul Schowalter: paul@digonsystems.com

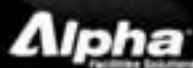
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