

Network: Menger_Guest

WiFi Password: Royrogers



FEBRUARY 3-5
2026

SAN ANTONIO
TEXAS

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Network: Menger_Guest

WiFi Password: Royrogers



WELCOME BACK

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Enterprise Buildings Domain LIVE

Kurt Sorensen
Paul Schowalter

DIGON Systems



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RPAA
Real Property Asset
ASSOCIATION

SPONSORS

DIGON
SYSTEMS



Stantec

Alpha
Facilities Solutions



TETRA TECH

Jacobs

WSP

POND



Expectation Setting

This product is actively under development

- **Goal:** Familiarize yourself with the interface and process

Agenda

Intro to ESMS 5-Step Process



Inventory



Assess



Forecast



Plan



Analyze

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



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



Current Organization:
Interagency ESMS

Domains Active: (0)

Home


Inventory

Assess

Reports


Side bar

Frequently Visited




Paul's Test Building

Inventory
a month ago




Cost

Reference Books
a month ago




Work - Work Analysis

Assessments Work
a month ago



Reports

Reports
2 days ago



CH05

Inventory
2 days 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	06/03/2025	14:05
	Assessment Detail	Assessment Detail	Assess	06/03/2025	14:02
	FI2 Test - Paul	Component	Inventory	06/03/2025	14:01

Main Window



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



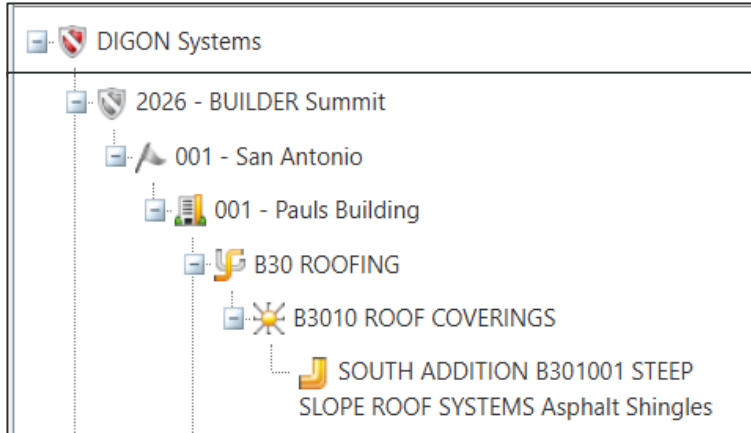
5. Analyze

- Look at reports to take actions



1. Inventory

BUILDER Inventory

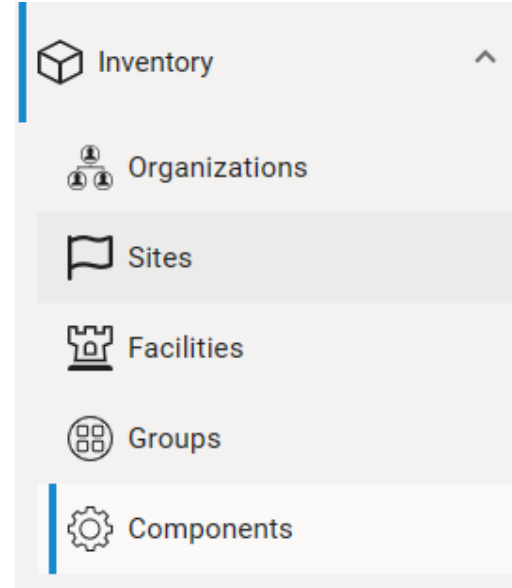


DIGON Systems

- 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
- System now supports assets not "Sustained" by that site



Assets

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

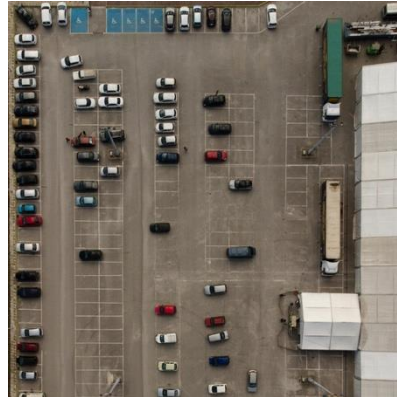
Building



Utility Line



Parking Lot



New ESMS Asset Fields!

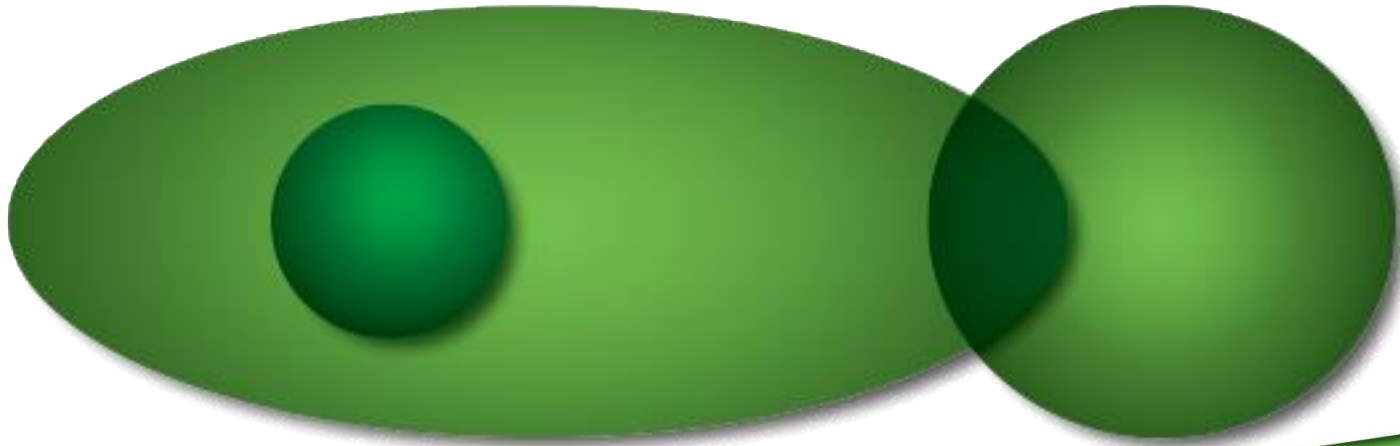
Create Asset ✕

Name *	Domain
Site *	CATCODE *
Archer Air Force Base	84115 - NUCLEAR REACTOR WATER TREATMENT FACILITY (Navy)
Type	Number *
Water Treatment Facility	
RPUID	Quantity *
NONE	
UOM *	Cost Source
Square Foot	<input checked="" type="radio"/> Computed <input type="radio"/> User Entered
Computed Cost	<input type="checkbox"/> Exact Construction Date Known
Construction Year *	<input type="checkbox"/> Exact Rebuild Date Known
Year Rebuilt	MDI
Operational Status *	
Description	
Comment	

Create Create And Navigate To Asset Cancel

Grouping

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



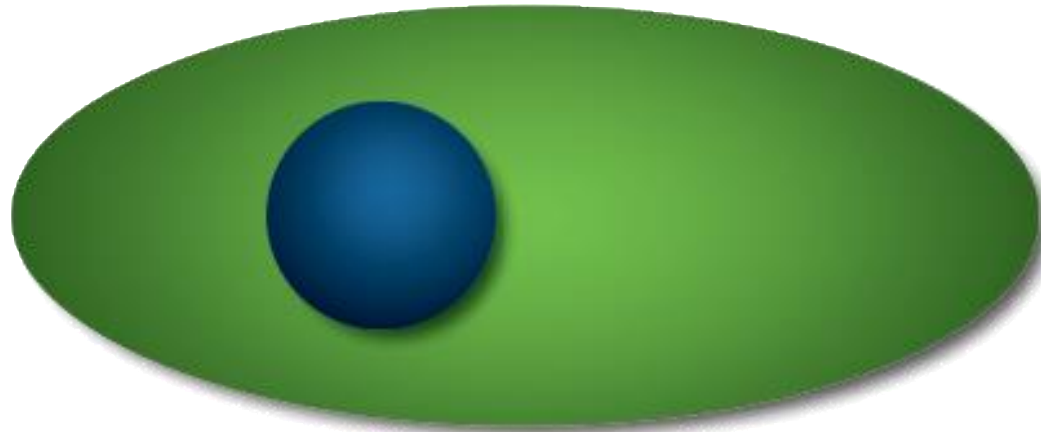
Components

- 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)
- Facility Resilience
- 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?

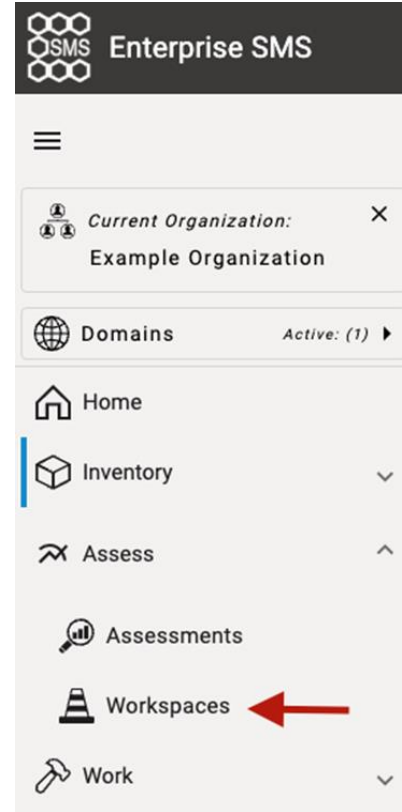


Mobile Information Collection Application (MICA)



Workspaces

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



BRED Process (BUILDER)

Select Inventory
Export BRED File

Perform Inventory and Assess
Uses BRED or Pen/Paper

Upload BRED Files
Review Final Reports

Planning

1

Inventory & Assess

2

3

4

Work Acceptance

5

Delegating

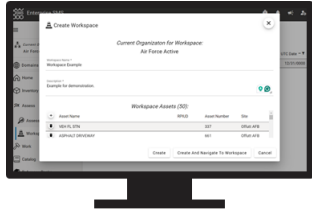
QA/QC

Copy/Split BRED Files
Distribute to Inspectors

Review disparate BRED Files
Recombine Files
3rd Party Review Tools



ESMS Application (MICA)



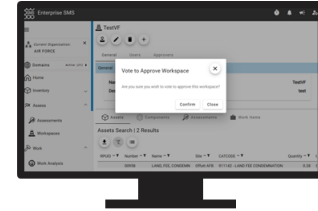
Planning

1



Inventory & Assess

3



Work Acceptance

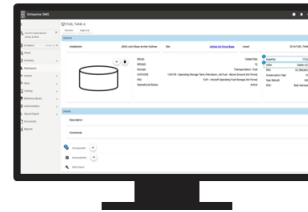
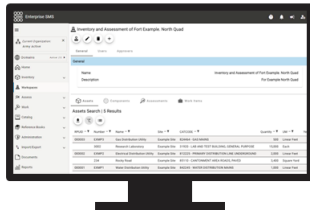
5

Delegating

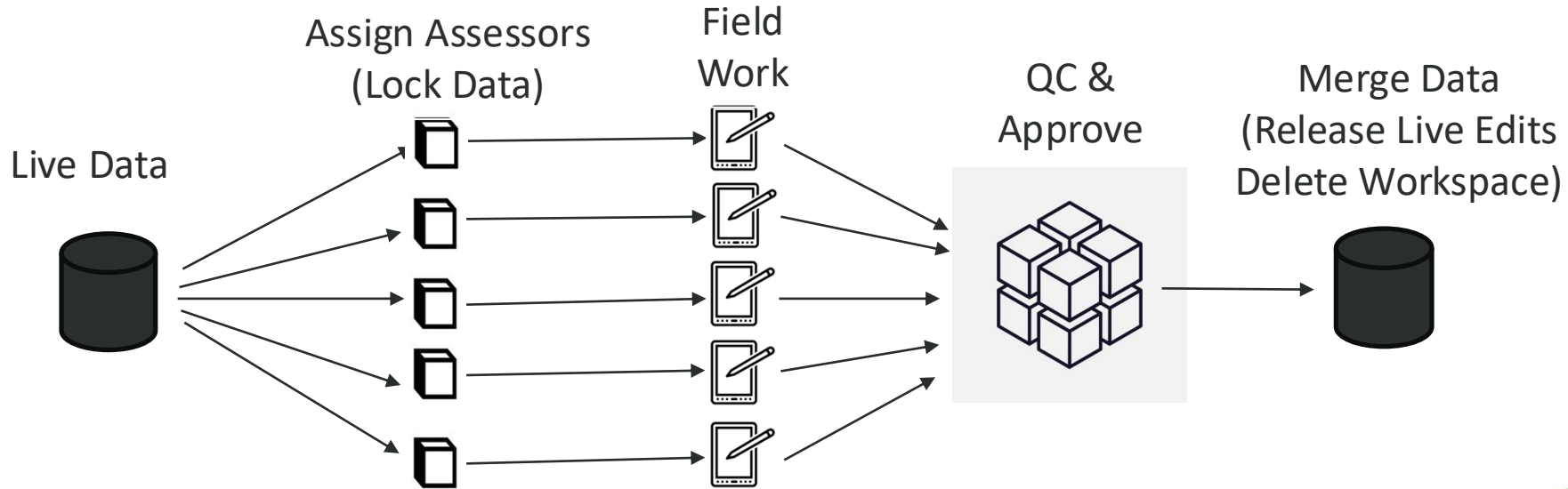
2

QA/QC

4



Workspace Data Processes



Workspace User Interface

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

The screenshot displays the 'Enterprise SMS' user interface. A 'Create Workspace' modal window is open, showing the following details:

- Current Organization for Workspace:** Example Organization
- Workspace Name:** Inventory and Inspection of Fort Simple, North Quad
- Description:** North Quad Inventory and Inspection
- Created UTC Date:** 12/31/0000
- Workspace Assets (4):**

Asset Name	RPIUD	Asset Number	Site
Research Lab		Bldg 3	Example Site
Water Distribution Utility	000001	EXMP1	Example Site
Research Laboratory		3002	Example Site
Rail Loading Yard		RR1	Example Site



Assign Users & Approver

Inventory and Assessment of Fort Example. North Quad

General Users **Approvers**

General

Name Inventory and Assessment of Fort Example. North Quad
Description For Example North Quad

Assets Components Assessments Work Items

Assets Search | 5 Results

RPUID	Number	Name	Site	CATCODE	Quantity	UM	Year
000003	EXMP3	Gas Distribution Utility	Example Site	824464 - GAS MAINS	500	Linear Feet	
	3002	Research Laboratory	Example Site	31920 - LAB AND TEST BUILDING, GENERAL PURPOSE	15,000	Each	
000002	EXMP2	Electrical Distribution Utility	Example Site	812225 - PRIMARY DISTRIBUTION LINE UNDERGROUND	2,000	Linear Feet	
	234	Rocky Road	Example Site	85110 - CANTONMENT AREA ROADS, PAVED	3,400	Square Yard	
000001	EXMP1	Water Distribution Utility	Example Site	842245 - WATER DISTRIBUTION MAINS	1,000	Linear Feet	

Inventory and Assessment of Fort Example. North Quad

General **Users** Approvers

User Name	First Name	Last Name
Eric.Mixon@usace.army.mil		
Michael.N.Grussing@usace.army.mil	Michael	Grussing
Louis.Bartels@usace.army.mil	Buddy	Bartels

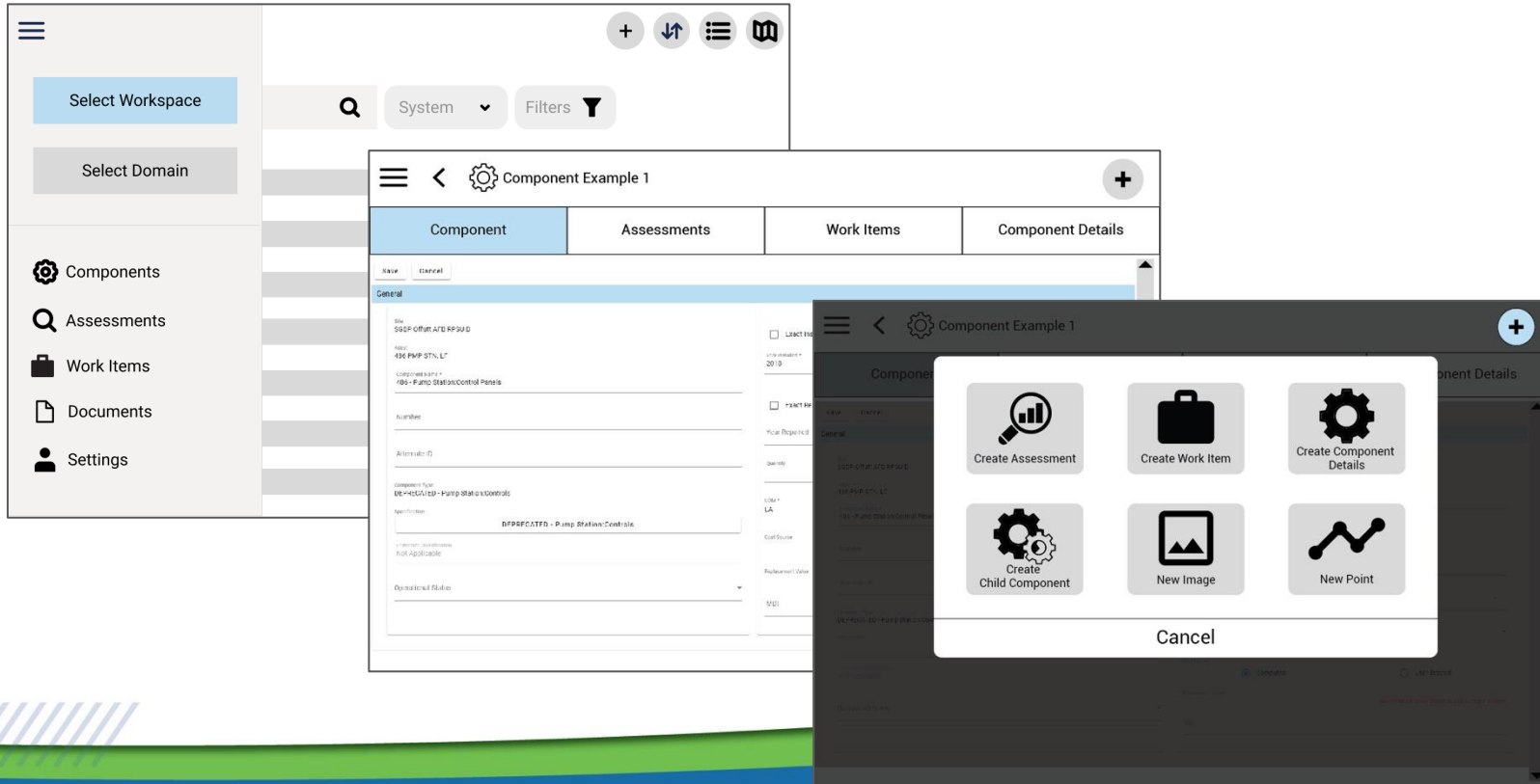
Inventory and Assessment of Fort Example. North Quad

General Users **Approvers**

User Name	First Name	Last Name
carrie.a.heishman.ctr@army.mil		



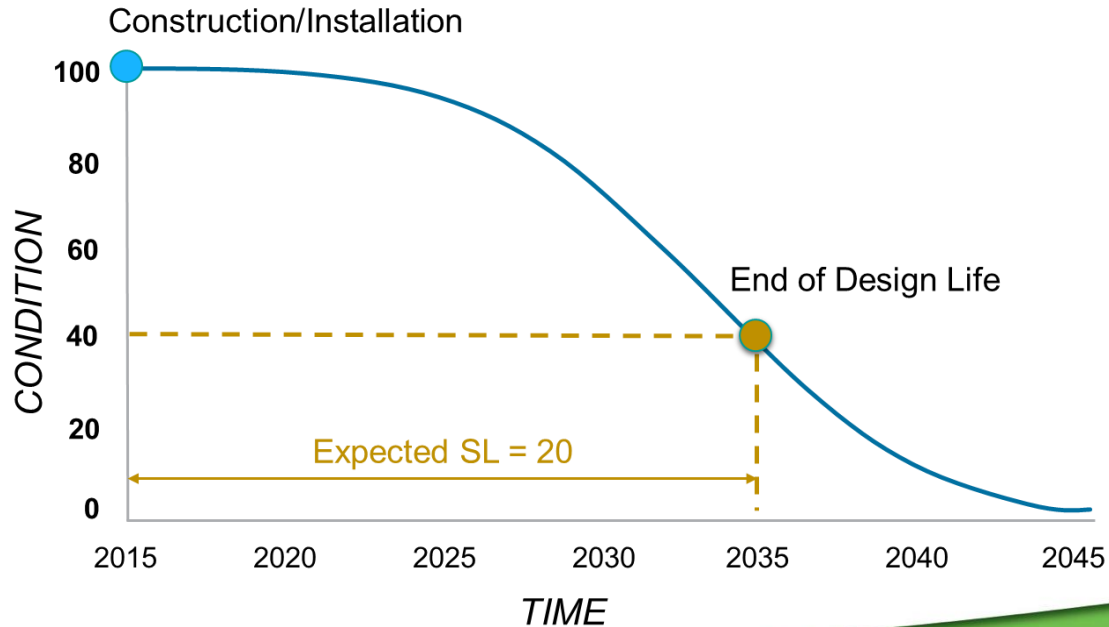
ESMS Mobile App Interface



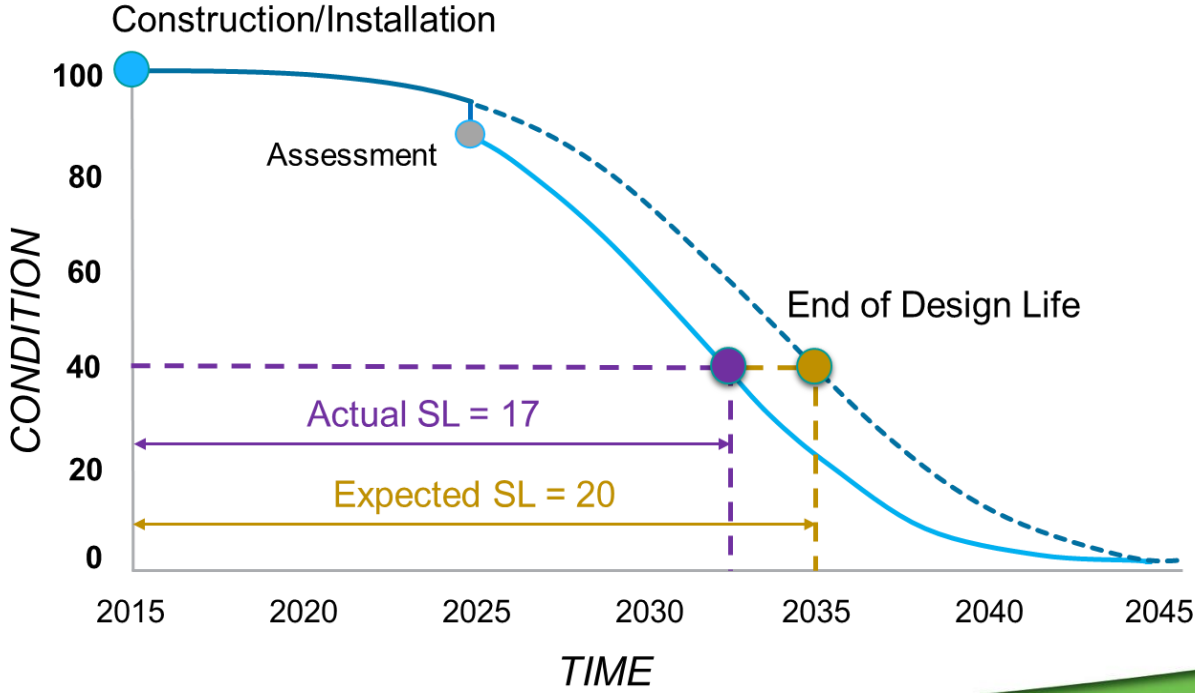
3. Forecast



- Future condition prediction based on life-cycle curve

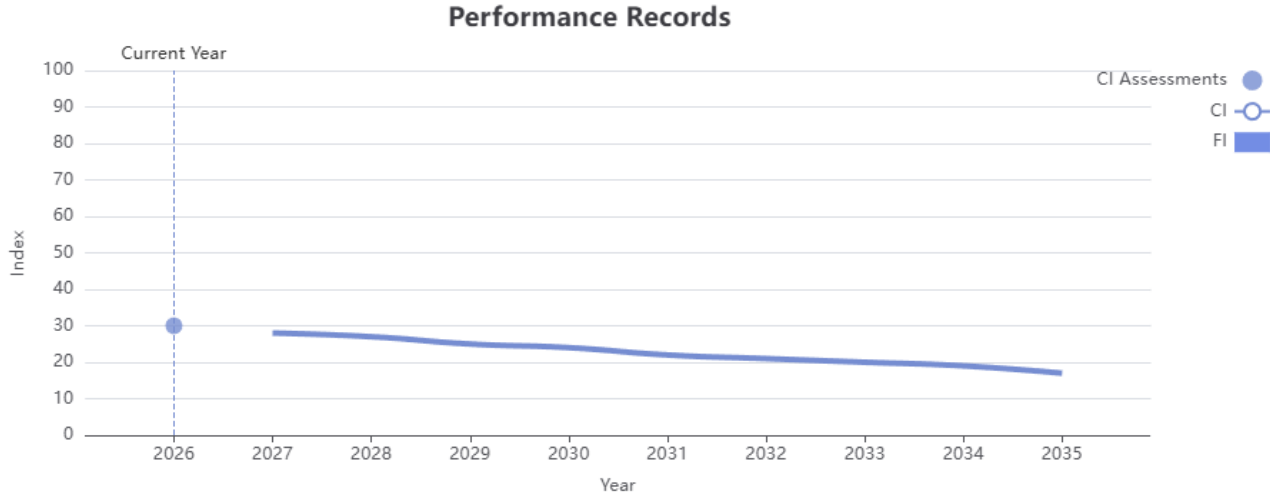


Forecasting and Assessments



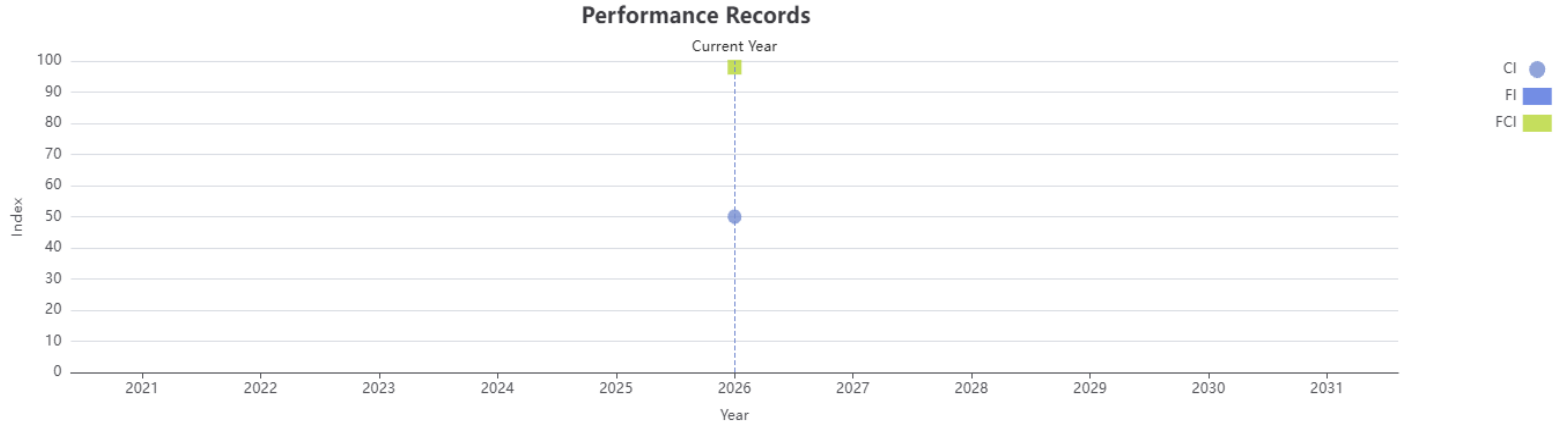
Component Prediction

Performance Records



Key Metric Performance History

Performance Records



4. Plan



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

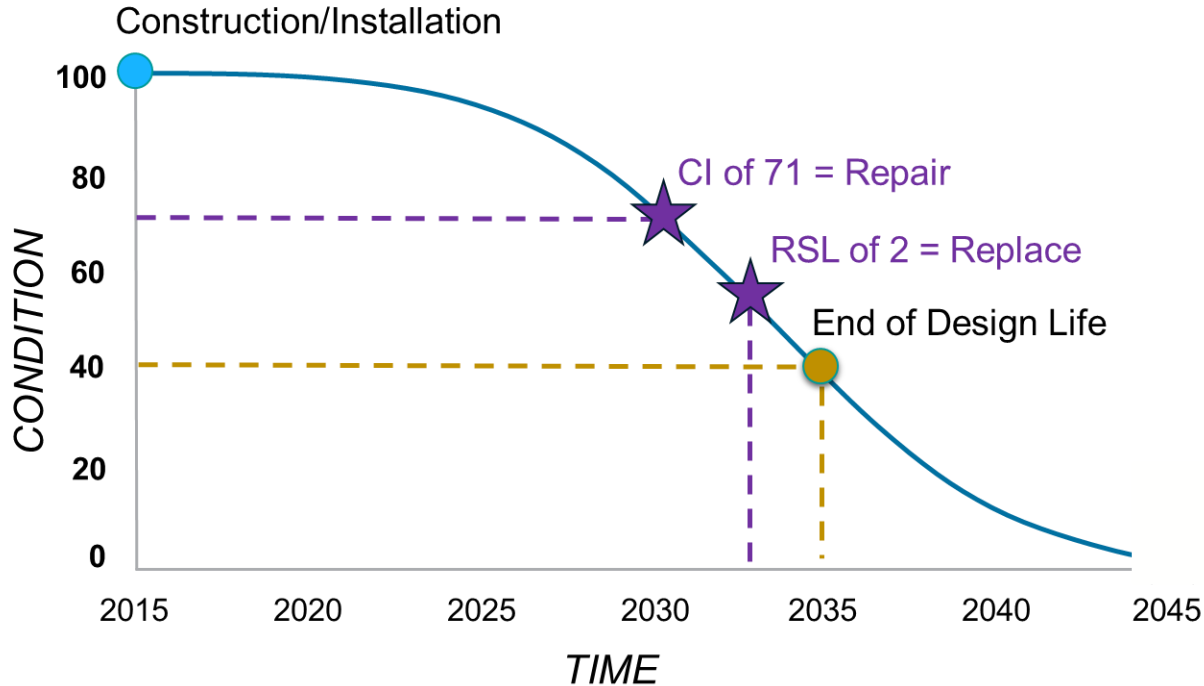


Work Policy

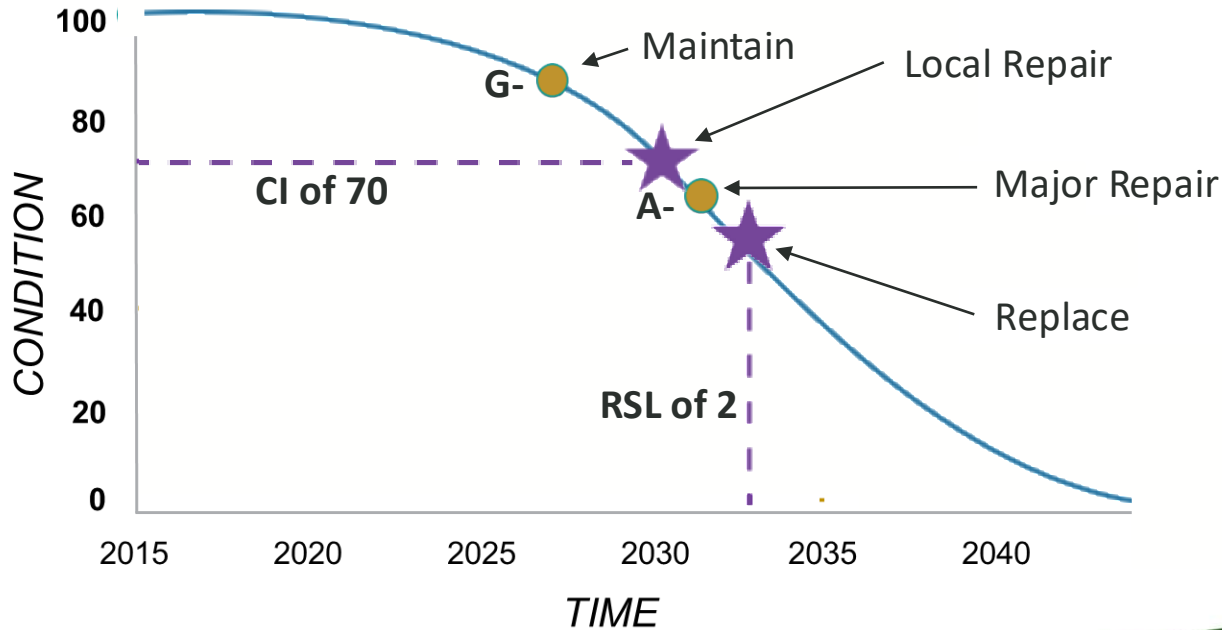
- Create a “Policy” with multiple “Standards”
- Each “Standard” has a Scope
- Then create “Rules” to create all the different rule types



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

A brown arrow points from left to right across the top of the table, indicating the order of operations from left to right. A green arrow points from top to bottom on the left side of the table, indicating the order of operations from top to bottom.

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 features a list of objectives, each with a dropdown arrow and a plus sign. The first objective is 'Mitigate Risk' with a weight of 100. Underneath it are two measures: 'Known Bad' and 'Predicted Bad', each with a weight of 50. The second objective is 'Important Facilities' with a weight of 50, and it has one measure, 'MDI', also with a weight of 50. Each measure has an 'Edit Rules' button and a trash icon for deletion. The interface is clean and uses a white background with blue and green accents.

Objective	Weight	Measure	Measure Weight
Mitigate Risk	100	Known Bad	50
Mitigate Risk	100	Predicted Bad	50
Important Facilities	50	MDI	50



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' software interface, specifically the 'Profile' tab. The interface is organized into several sections:

- Navigation:** Tabs for 'Policy', 'Priority', 'Profile' (selected), and 'Work'. Below these are icons for adding (+), playing, saving, deleting, and a 'Save' button.
- Search:** A search bar containing 'Summit Prep' with a close (X) icon.
- Configuration Fields:**
 - Years to Run:** A dropdown menu set to '1'.
 - Cost Book *:** A dropdown menu set to 'USAF Cost Book'.
 - Inflation Book *:** A dropdown menu set to 'Air Force Inflation Book'.
 - Service Life Book *:** A dropdown menu set to 'USAF Service Life Book'.
 - Component Importance Book:** A dropdown menu set to 'Air Force Component Importance Book'.
 - Policy *:** A dropdown menu set to 'Summit Policy'.
 - Priority *:** A dropdown menu set to 'Summit Priority'.
- Scopes:** A section with a button indicating '4 scopes selected'.
- Funding Type:** Two radio button options: 'Limited' (selected) and 'Unconstrained'.
- Checkboxes:** Two checkboxes at the bottom: 'Ignore Work Items' and 'Use Welder climate model', both currently unchecked.






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.

Work




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

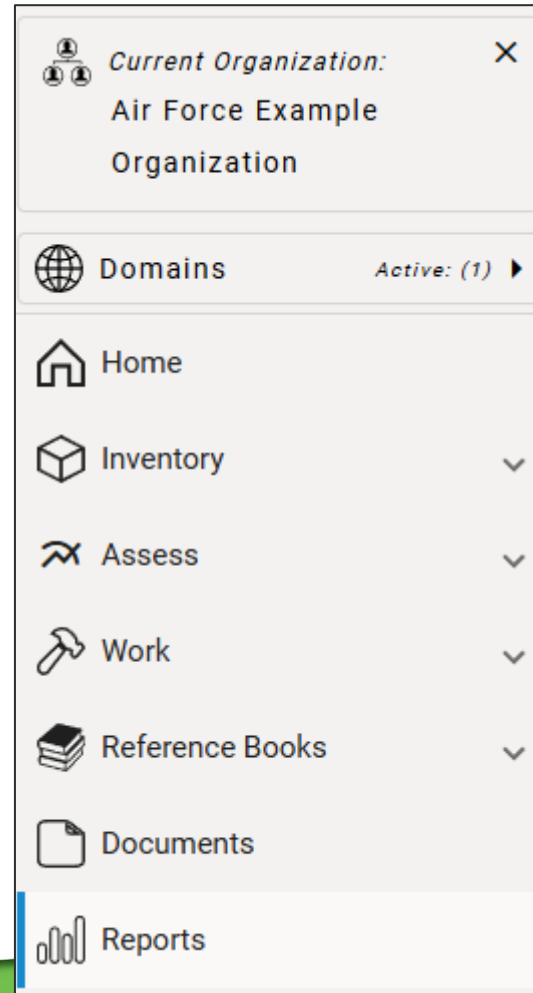
  

Activity Type - ▾	Managed Object - ▾	Year - ▾	Total Cost - ▾	Prioritization Score - ▾	AssetName ↓ ▾
Replace	Wall Foundations	2026	\$113,460.00	100	SPAATZ GYM
Replace	RESTROOM	2026	\$4,985.00	100	SPAATZ GYM
Replace	Waterclosets	2026	\$9,414.00	100	SPAATZ GYM
Replace	Structural Slab On Grade	2026	\$218,485.00	100	SPAATZ GYM
Replace	Standard Interior Doors	2026	\$19,260.00	100	SPAATZ GYM



5. Analyze

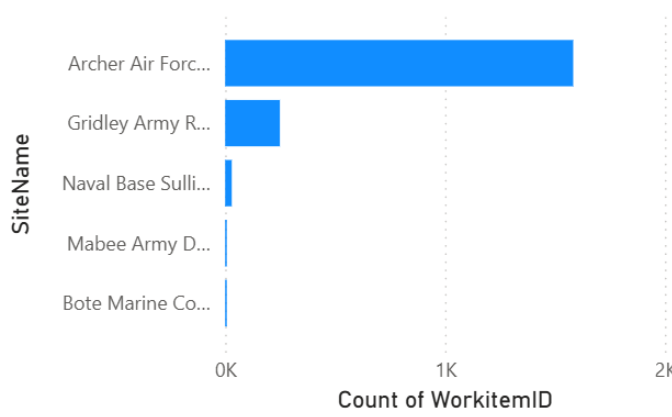
- All previous steps form an interactive visualization
- Create and respond to data requests
- Share data with reports
- Bottom line: Make better-informed decisions with real-time data



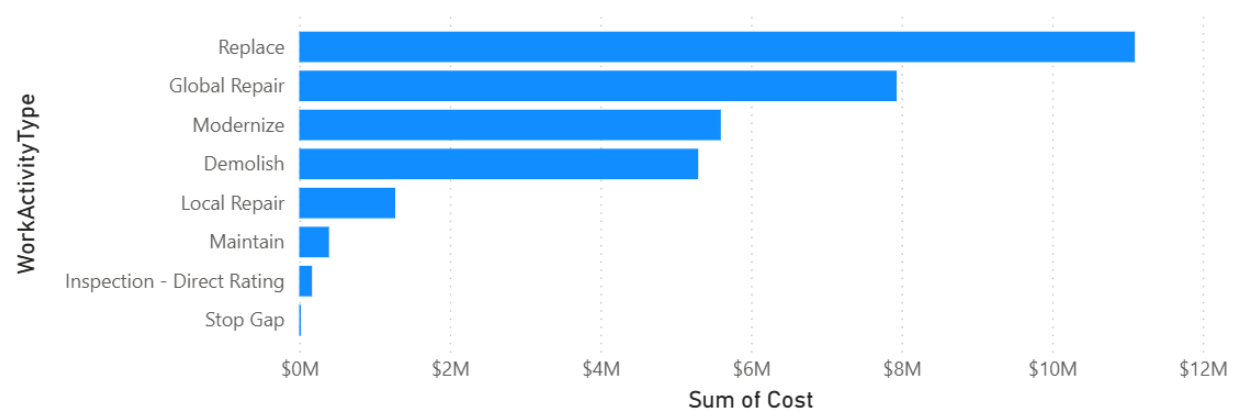
The screenshot shows a software interface with a navigation menu. At the top, there is a section for the current organization, labeled "Current Organization:" with a close button (X) and the text "Air Force Example Organization". Below this is a "Domains" section with a globe icon and the text "Active: (1)" followed by a right-pointing arrow. The main menu items are: "Home" with a house icon, "Inventory" with a cube icon and a downward arrow, "Assess" with a checkmark icon and a downward arrow, "Work" with a hammer icon and a downward arrow, "Reference Books" with a book icon and a downward arrow, "Documents" with a document icon, and "Reports" with a bar chart icon and a downward arrow. The "Reports" item is highlighted with a blue bar on the left.



Count of WorkitemID by SiteName



Sum of Cost by WorkActivityType



WorkActivityType	Global Repair		Inspection - Direct Rating		Replace		Stop Gap		Total	
SiteName	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	Count of WorkitemID
Archer Air Force Base	\$5,927,707	378	\$145,510	640	\$6,744,113	89			\$12,817,330	1067
Bote Marine Corps Base					\$8,496	1			\$8,496	1
Gridley Army Research Area	\$1,667,359	53	\$22,740	99	\$3,364,409	25			\$5,054,508	177
Mabee Army Depot	\$5,150	1			\$4,444	2	\$2,000	1	\$11,594	4
Naval Base Sullivan	\$336,281	13	\$1,760	7	\$978,719	6			\$1,316,760	26
Total	\$7,936,497	445	\$170,010	746	\$11,100,181	123	\$2,000	1	\$19,208,688	1275

5-Part Process



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



DIGON's 7-Part Training

1. Configure

- 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



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





Questions?

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THANK YOU

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Paul Schowalter: paul@digonsystems.com

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