

U.S. Coast Guard's

Journey Towards

BUILDER™ Implementation

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CG Mission Support - Four Cornerstones

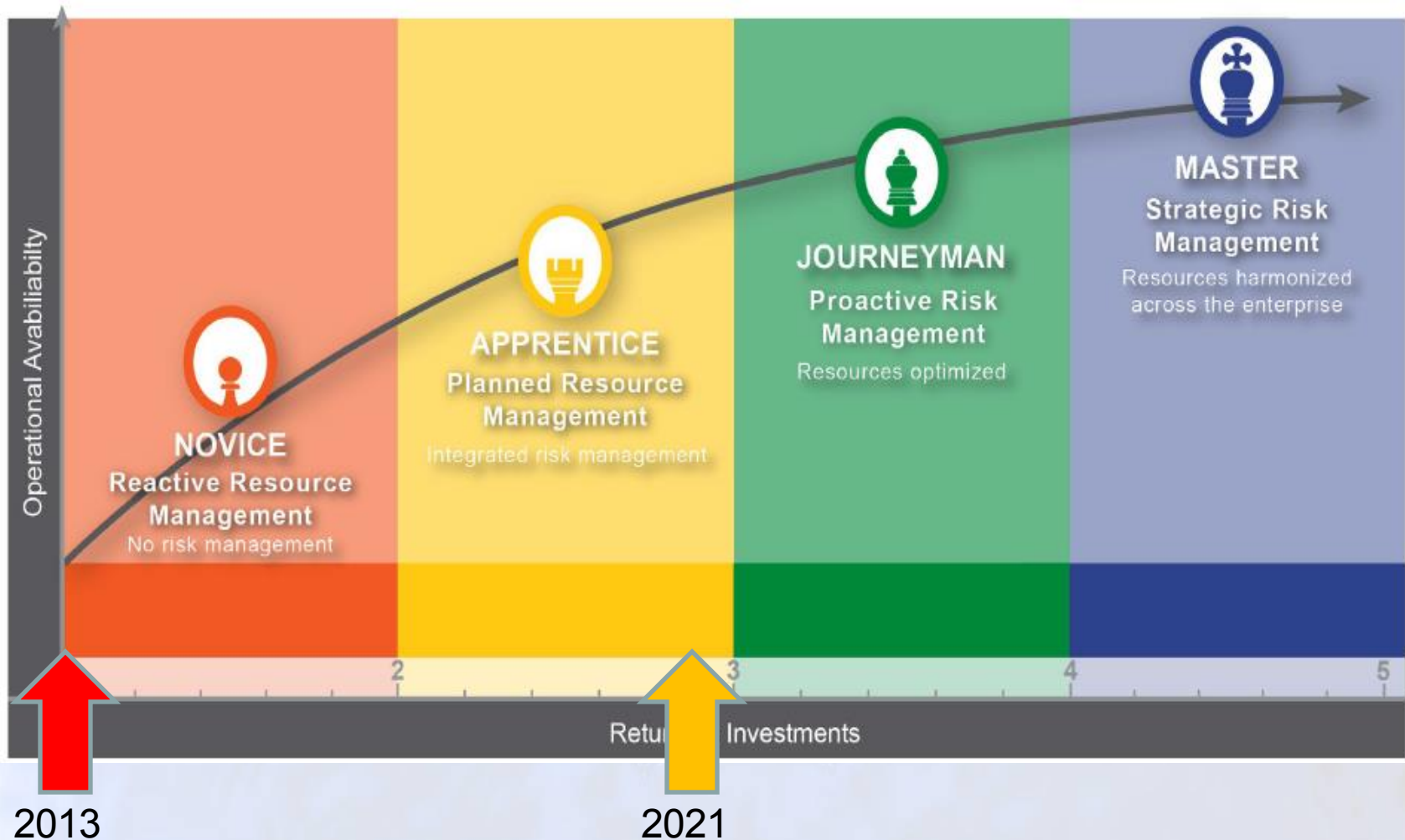


OLM Maturity Continuum



Roadmap on how to move to a Proactive Maintenance Plan –

Focus on avoiding repairs & asset failure through preventive & predictive methods.



Total Asset Visibility Defined



Total Asset Visibility (TAV) is knowing:

1. What you have
2. Where it is
3. How it's performing

Total Asset Visibility is everyone's responsibility.

Steps towards TAV



- **Step 1 - Real Property Asset Enrollment (RPUIDs/Bldgs)**
 - 42K assets valued @ \$27B
- **Step 2 - Equipment Enrollment (EE) (Components)**
 - 121K Equipment Records
 - 278K Annual Preventive Maintenance Hrs
- **Step 3 – Utilities Inventory, Condition Assessment and Mapping Program (ICAM)**
 - Phased Approach; started in FY17
- **Step 3 - BUILDER Implementation**

Equipment Enrollment Initiative



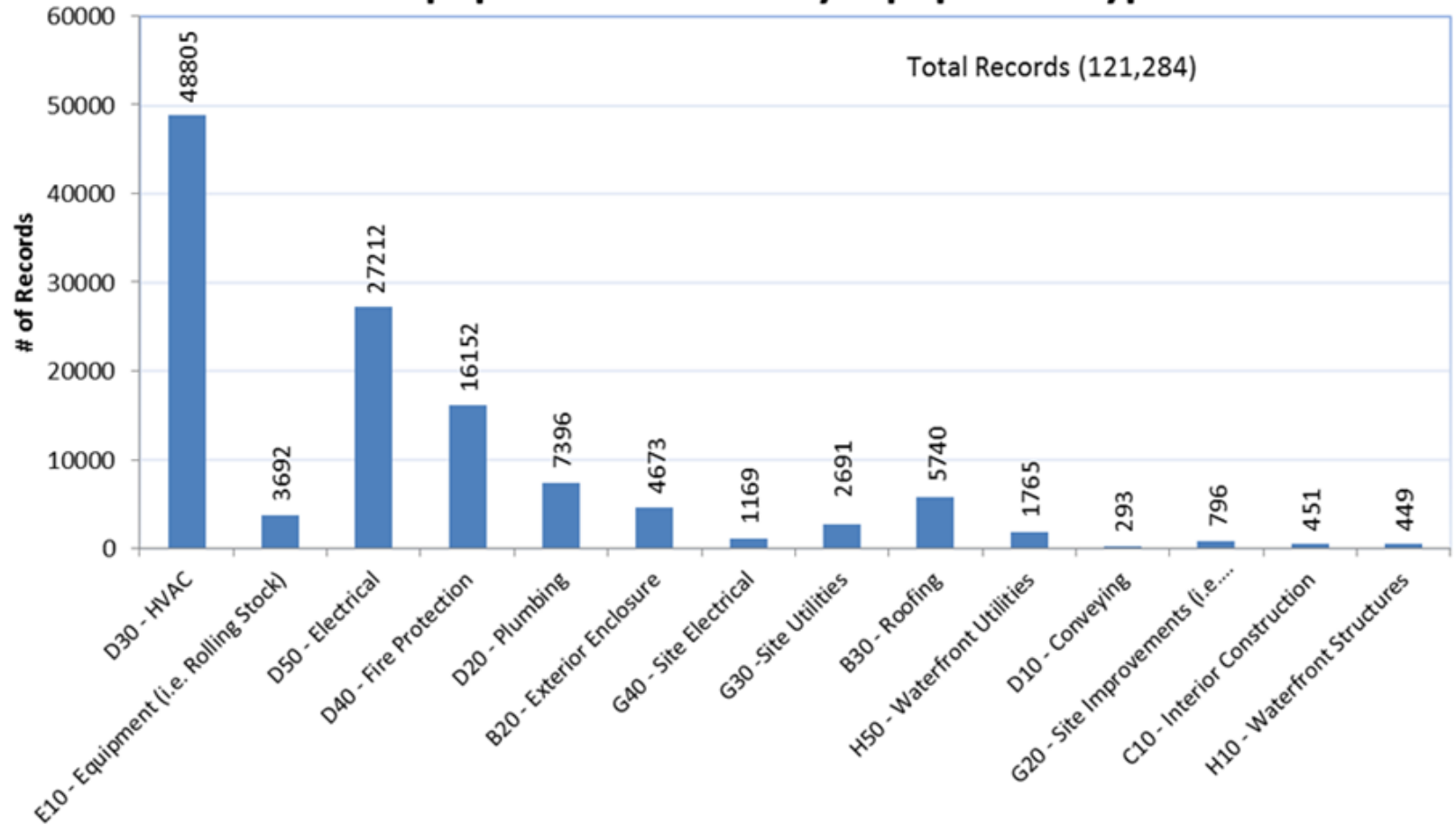
5-yr Phased Approach (FY13 thru FY18)

- **Phase I – Developed Business Rules/Standards**
- **Phase II & III – Enrolled Equipment (200+ sites/~25M sqft)**
 - Collected Equipment Data
 - Enrolled Equipment Data in SAM/Maximo
 - Assigned PM Job Plans to Equipment
 - Trained Personnel
- **Phase IV – Developed Sustainment Plan**
- **Phase V – Developed Metrics to Measure/Verify**

EE Results



PM'd Equipment Records by Equipment Type



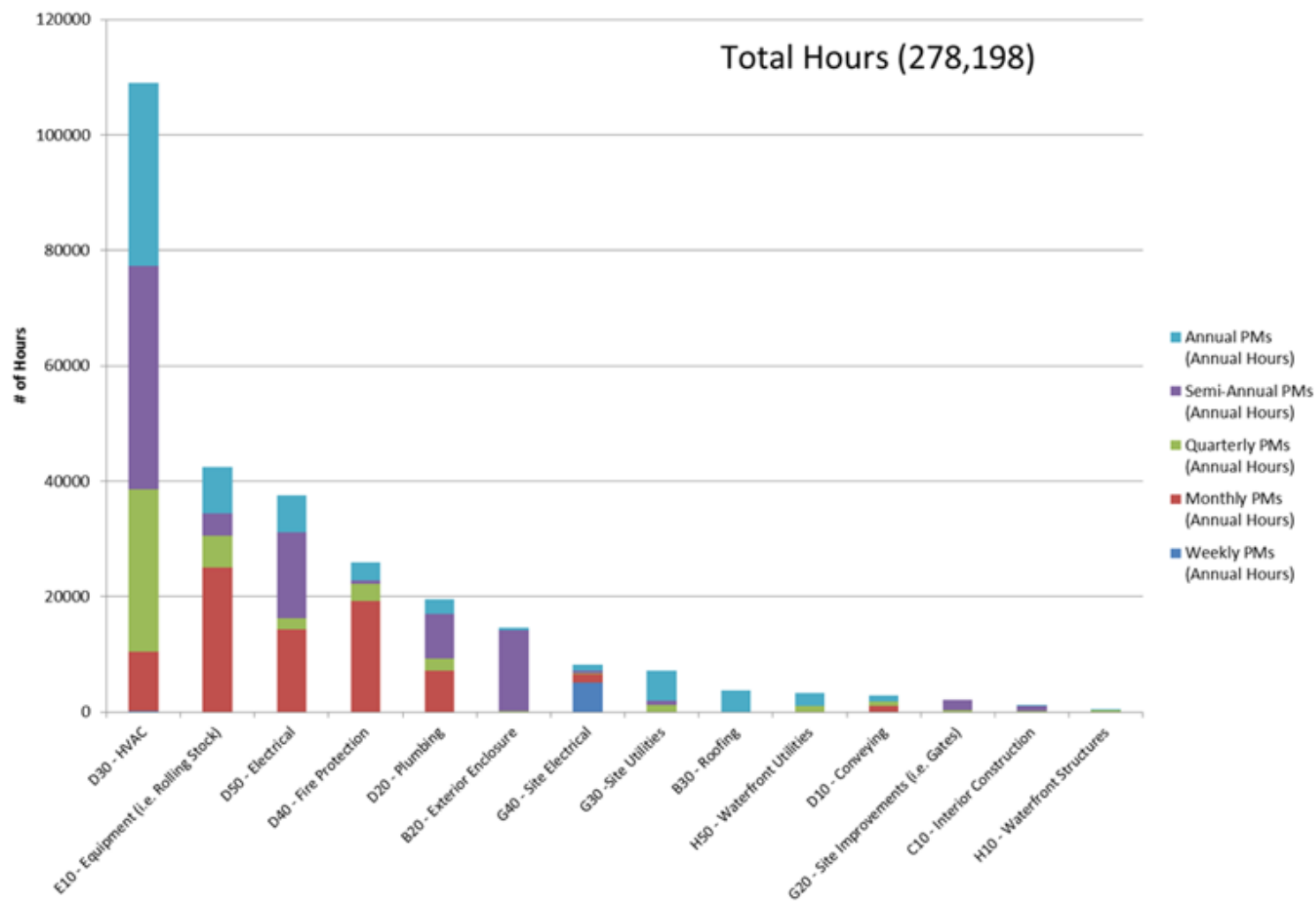
EE Results



Annual PM Hours by Equipment Type

CG Shore Enterprise

Total Hours (278,198)



EE Metrics



BUILDER Implementation Approach



Scope of Work: 4 phases/~3 yrs:

- **Phase I: ~1 yr duration**

Develop strategy, policy and guidance

- Conduct charrette workshops / assignments
- Develop detailed implementation plan
- Develop inventory / assessment guide
- Create custom reports



Approach (Cont)

- **Phase II: ~4 mo duration**

Field Proof of Concept

- Conduct pilot test assessments at three locations
- Feedback from pilot assessments will drive changes to business rules and inventory / assessment guide

- **Phase III: ~8 mo duration**

Implementation

- Develop BUILDER assessment job guide
- Develop how-to videos
- Conduct on-site training at three locations
- BCA – contractor or in-house for assessments

Approach (Cont)



- **Phase IV: ~1 yr**

Quality Assurance / Helpdesk

- Provide FAQ support to field
- Provide helpdesk for units conducting assessments
- Create/maintain/update Coast Guard's BUILDER site
- Conduct BUILDER program review (measure & verify)

Actual Implementation Schedule



- **Awarded contract May 2020 via CG's Nationwide AE IDIQ**
- **TranSystems (Prime), Tetra Tech & DIGON Systems (Subs)**

Phase	Tasks	Timeline
I - Develop USCG BUILDER Strategy, Policy, and Guidance	<ul style="list-style-type: none">• Charrette Workshop• BUILDER Implementation Plan• Custom BUILDER Reports• USCG Facility Assessment PGTO Update• USCG BUILDER Inventory/Assessment Guide	May 2020 to May 2021
II - Field Proof of Concept	<ul style="list-style-type: none">• 3 locations• Update P & G from Phase I	May 2021 to Aug 2021
III - USCG BUILDER Training	<ul style="list-style-type: none">• BUILDER Job Guides• BUILDER How-to Videos• Onsite Training @ 3 Locations• Estimate for Enterprise I&A	Aug 2021 to May 2022
IV - Quality Assurance/Helpdesk	<ul style="list-style-type: none">• QA of Field Input• Helpdesk Support• Create, Maintain, Update BUILDER CG Portal Site/Workflow• BUILDER Program Review/Updates	May 2022 to May 2023

Lessons Learned

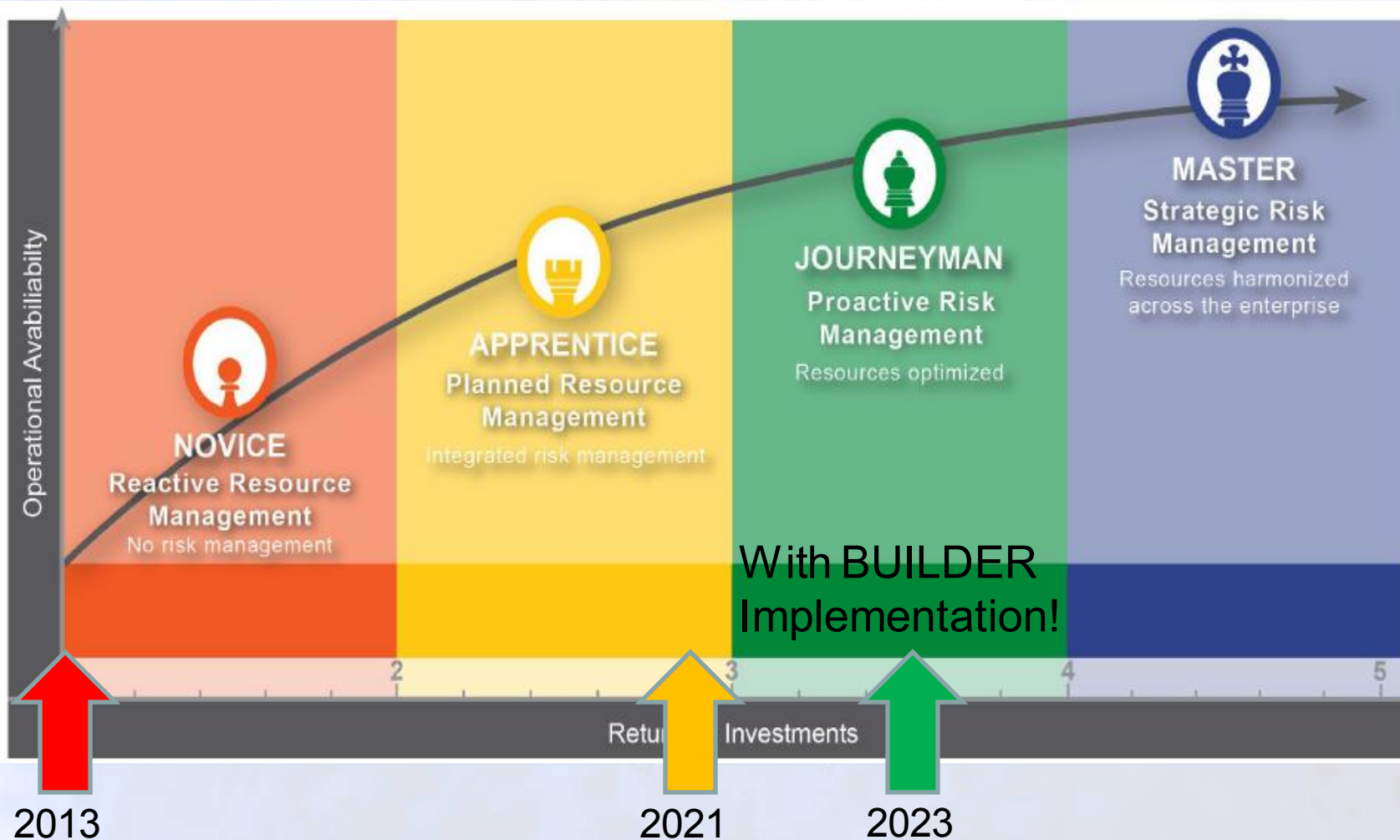


- **Take the time to do it right.**
 - Be Patience - Changing the Culture.
- **Consider all requirements.**
 - Be Strategic - understand all stakeholders.
- **Be methodical & deliberate in actions.**
 - Be Tactical – focused; no details too small.
- **Don't forget IT requirements / integration challenges.**

OLM Maturity Continuum



It's a Journey and not just a grocery run.



Questions?

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