

Managing Large - Scale Equipment Installations: A VHA Perspective



Presenter Introductions



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Disclaimer

The views discussed and presented in this session are those solely of the presenters themselves and do not represent the collective or singular official view of any entity of either the Department of Veterans Affairs or the University of Connecticut.

OUTLINE

Background

Planning

Procurement

Installation

Sustainment

Lessons Learned

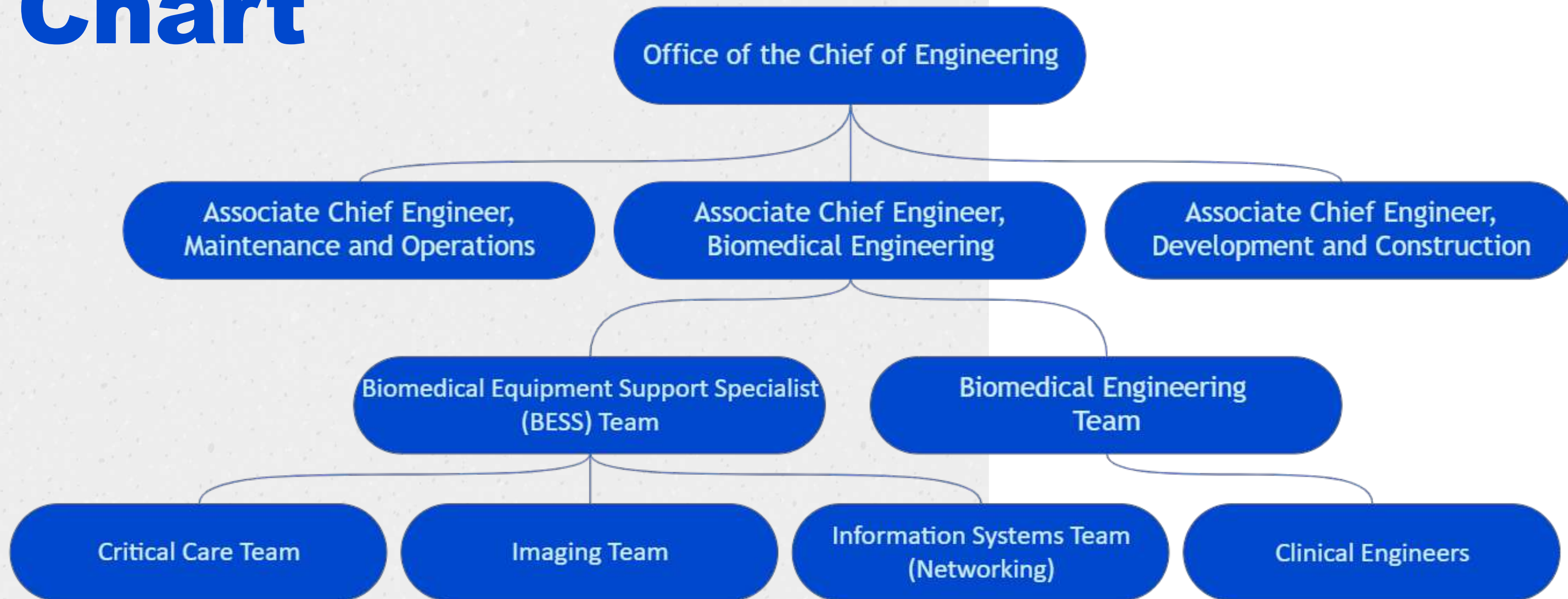
Conclusion

Q and A



BACKGROUND

Organizational Chart





VA North Texas is a 1A facility with \$155M worth of medical equipment



What is the need for large-scale equipment installations?

Impact on Patient Safety and Outcomes

Cost Effectiveness and Efficiency in Healthcare

Integrating Emerging Technologies

Enhancing Clinical Workflow Efficiency

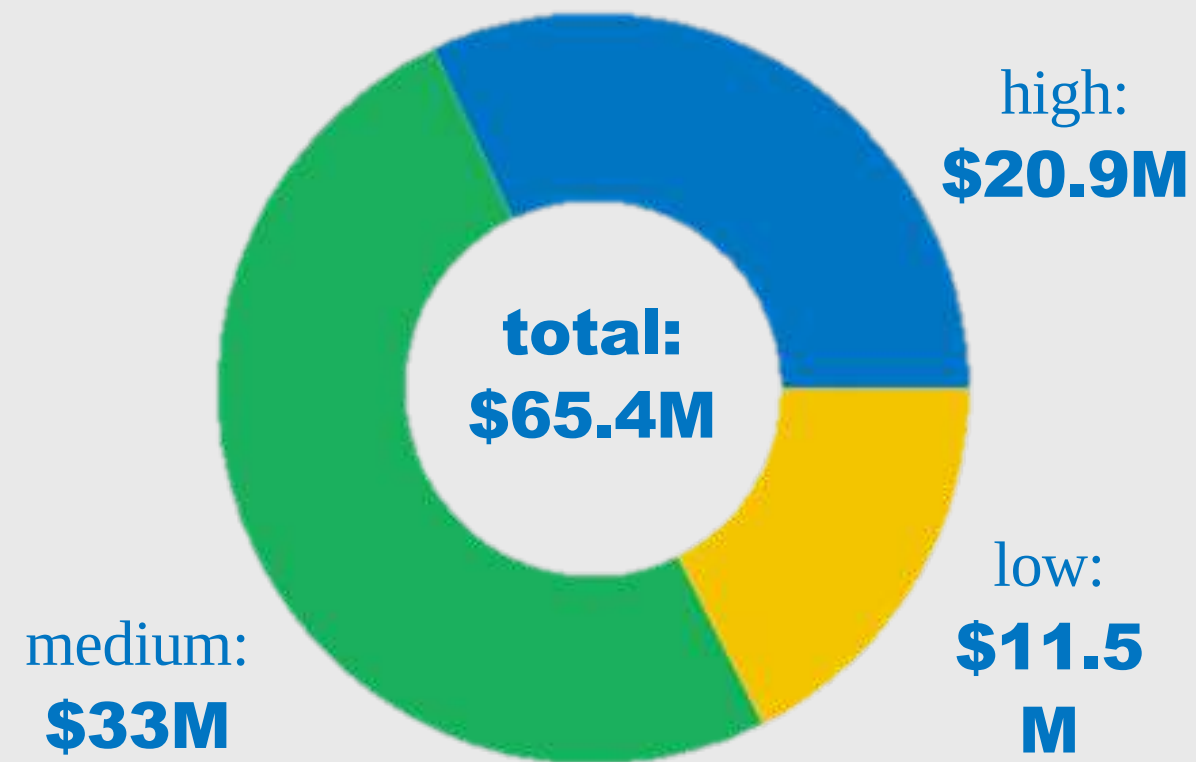
Streamlining Regulatory Compliance



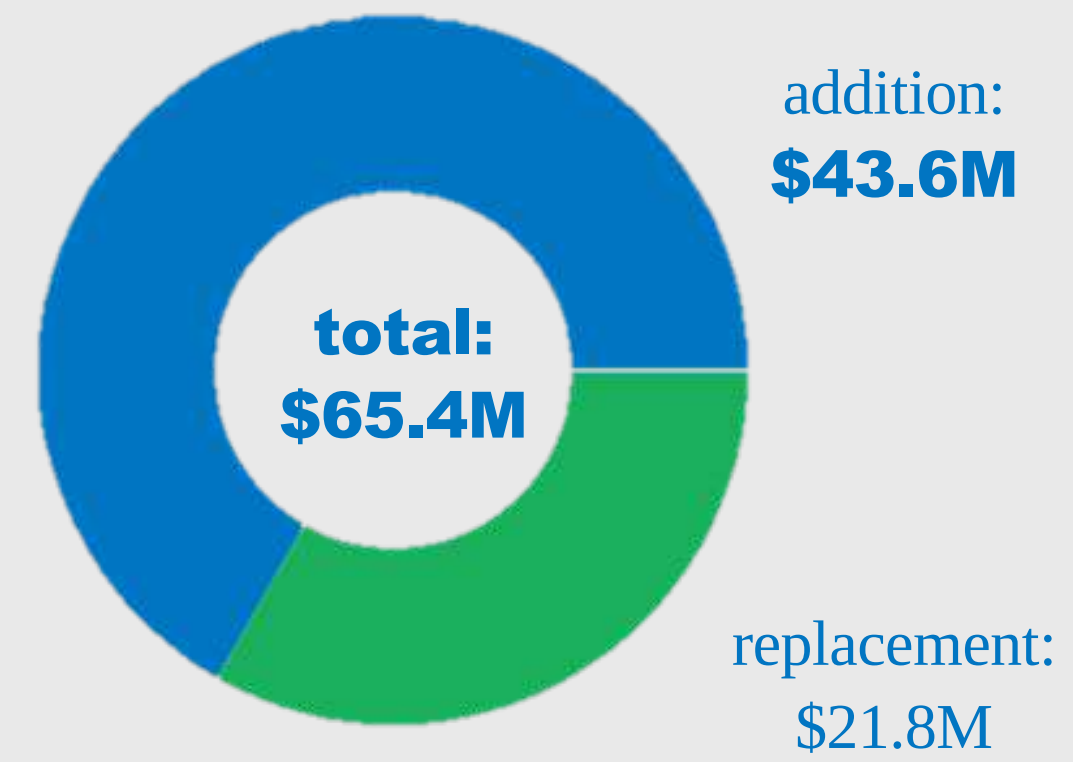
PLANNING

Strategic Equipment Planning Guide (SEP)

cost by priority

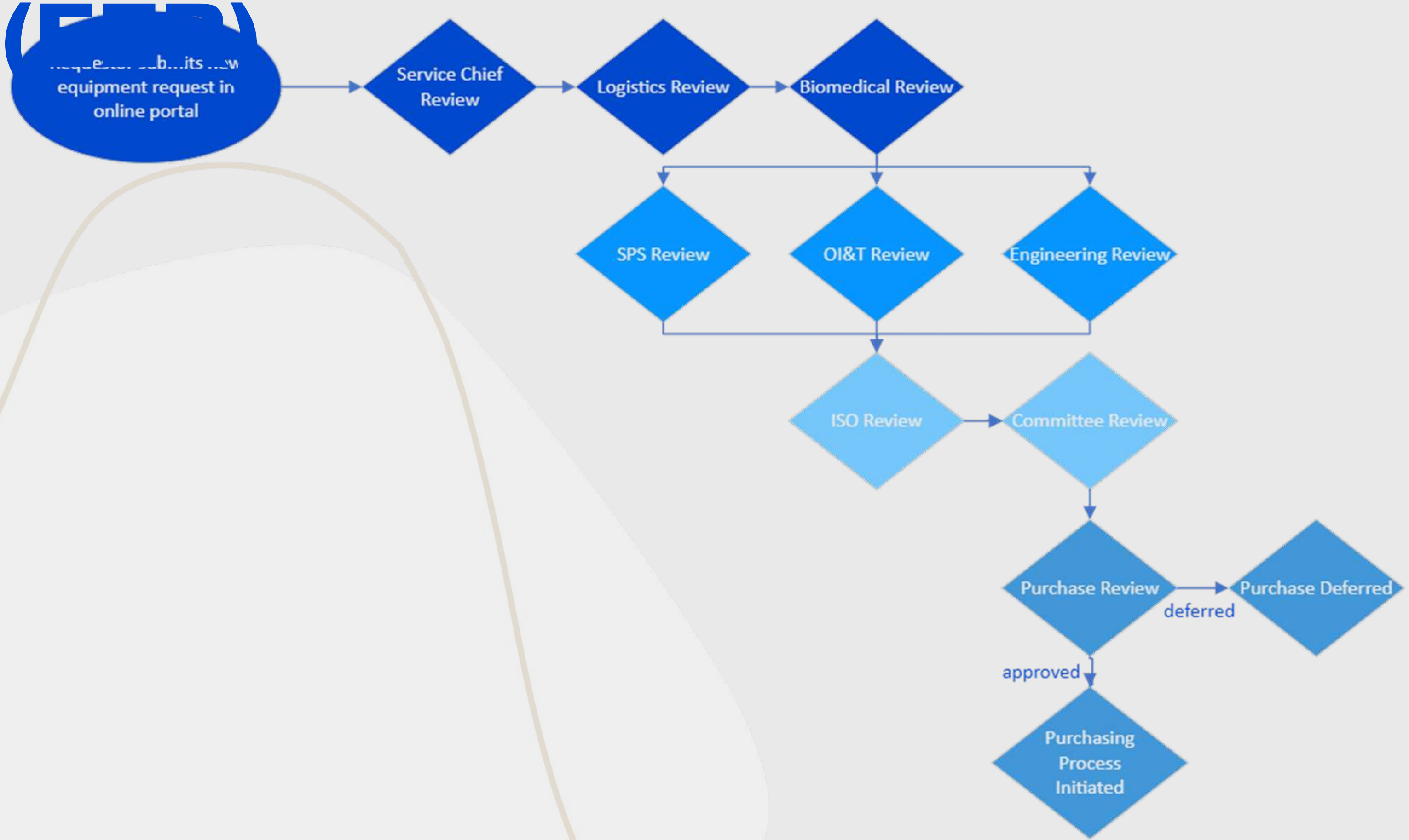


cost by action



- Replacement Planning
- Budget Projections
- Approval Process
- Timeline

Enterprise Equipment Request



Strategic Capital Investment Plan (SCIP)

Facility	Project #	SCIP #	Project Title	Obligation Type	Funding Type	ACC Code	A/E	Construction	Total Planned Obligations	Total Actual Obligations
							Planned Oblig Amount	Planned Oblig Amount		

- **Construction Planning for Upcoming Fiscal Years**
- **Funding Requests**
- **Budget Projection**
- **Prioritization of Project Requests**





PROCUREMENT

There are multiple ways to purchase equipment for the healthcare system.

Local Contracting

Electronic Catalog (ECAT)

National Acquisition Center (NAC)

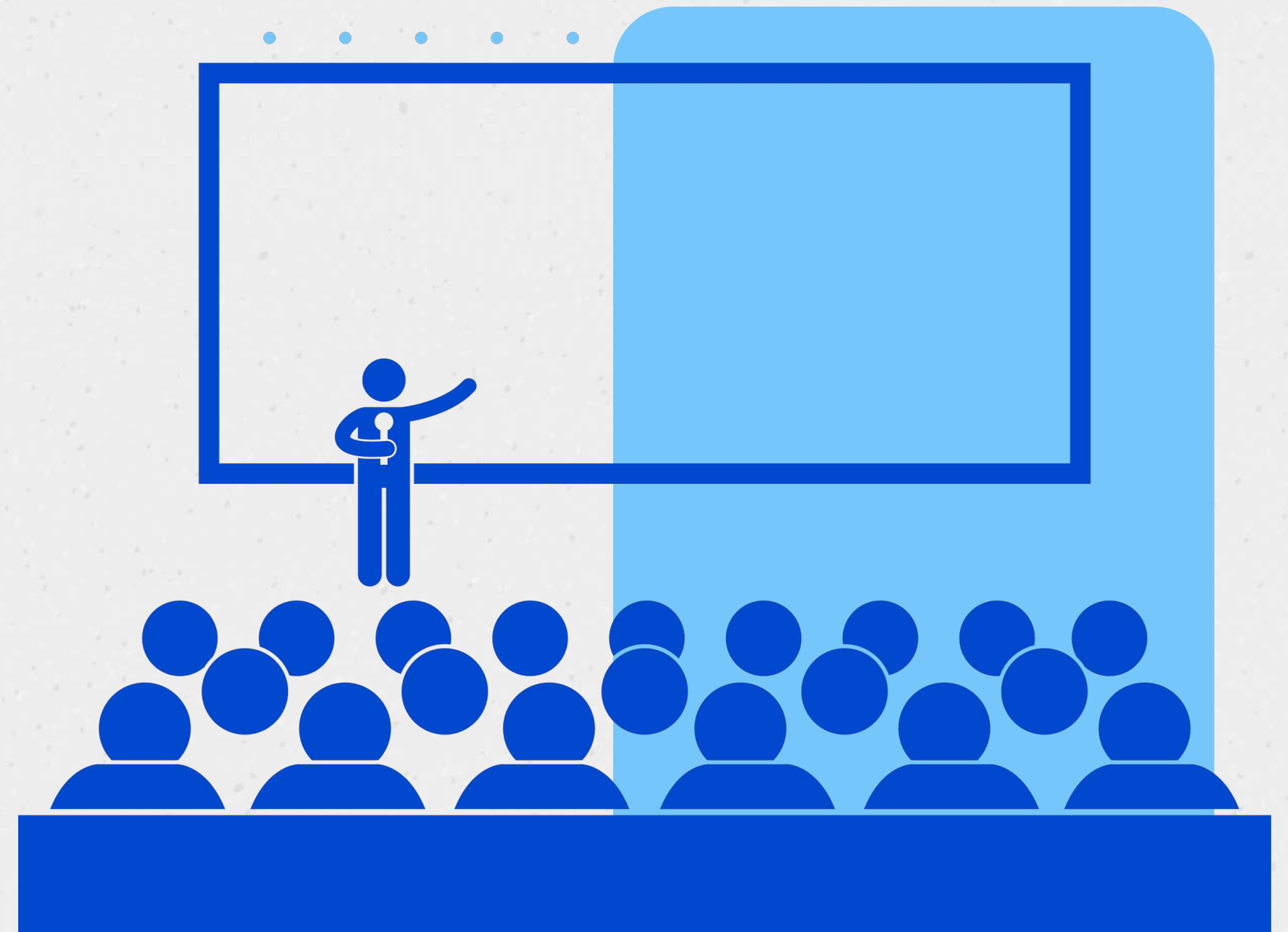
Strategic Acquisition Center (SAC)

NAC Consolidation Process

- Market Research
- Procurement Package
 - Technical Specifications
 - HC-HT Application
- Formal Evaluation
- Best Value Selection & Justification

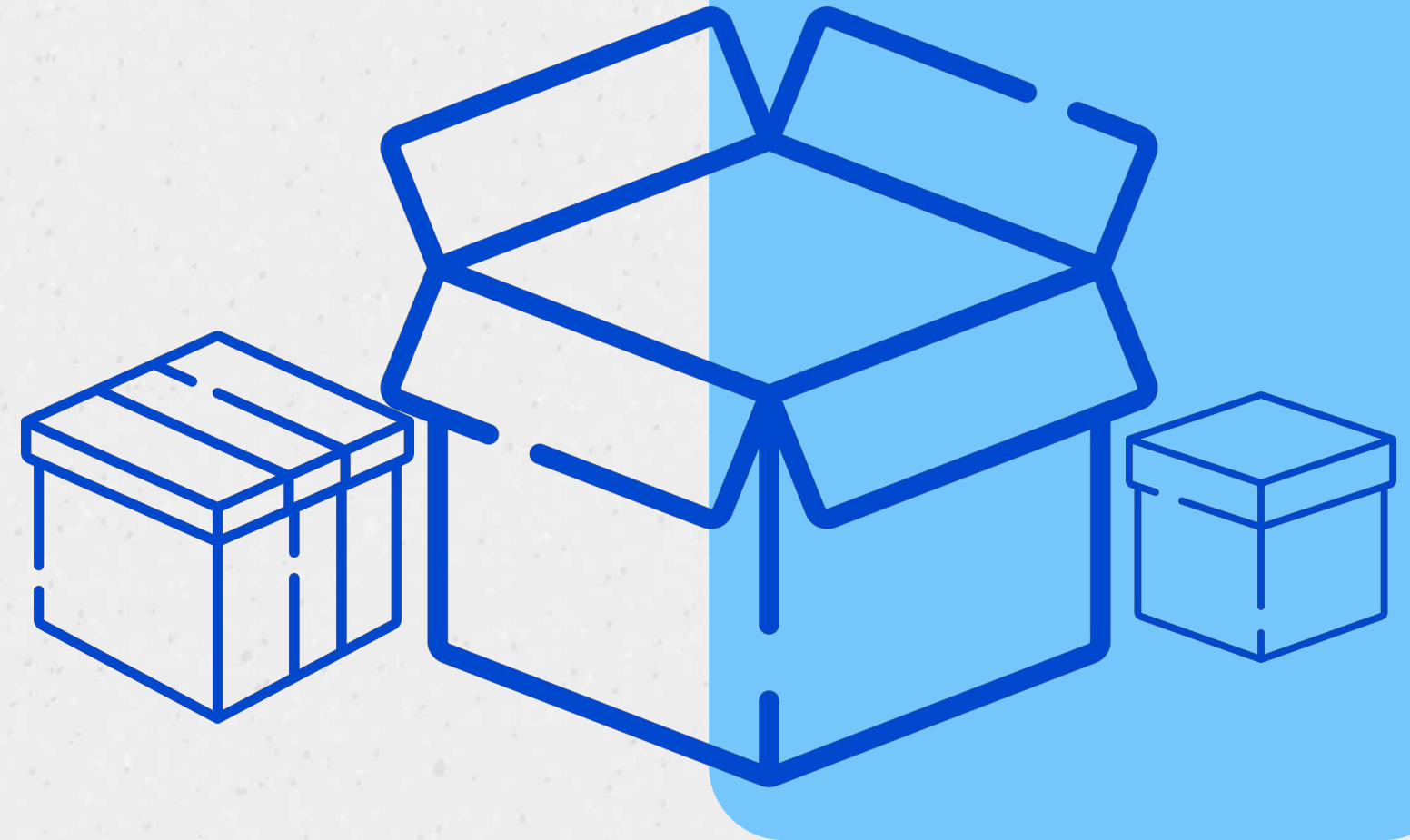
Market Research

- **Needs Assessment**
- **Vendor Meetings**
- **Vendor Presentations**
- **Research**
- **BESS Input**



Procurement Package

- **Technical Specifications**
- **HC-HT Approval**
- **Funding Obligation**
- **Project Number**

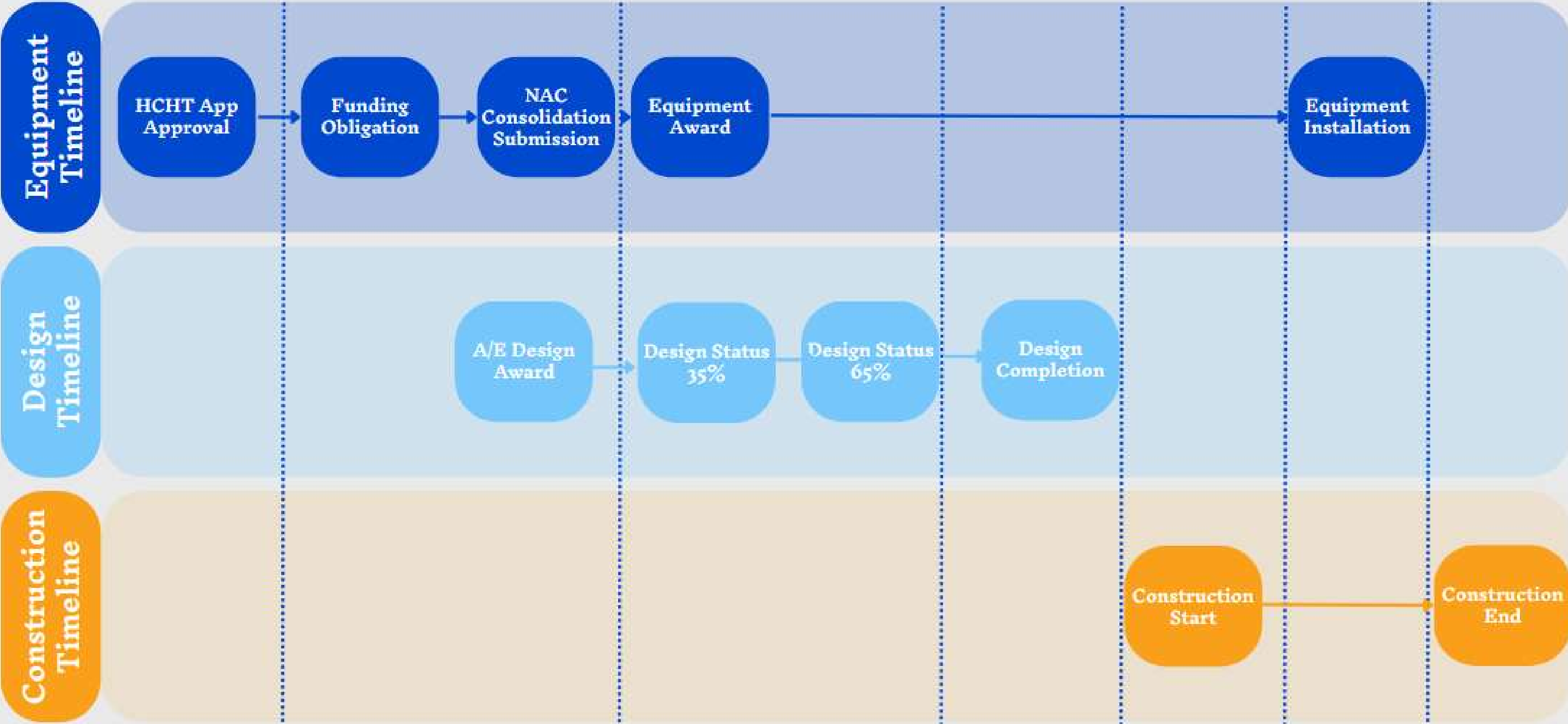


Formal Evaluation

- **Vendor Bids**
- **Tech Spec Review**
- **Documentation Review**
- **Ability to Meet Need**
- **Prevents Subjectivity**

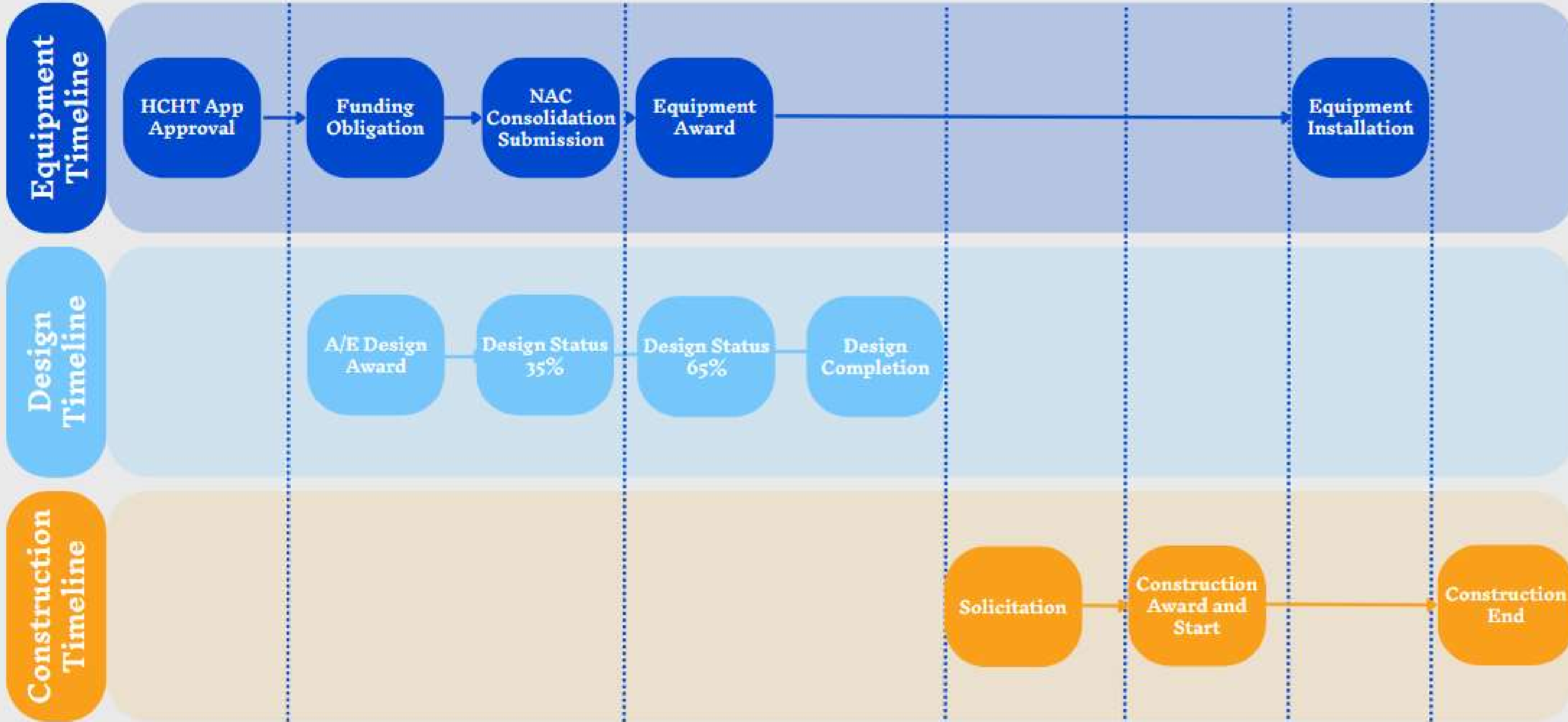


Design/Build Example

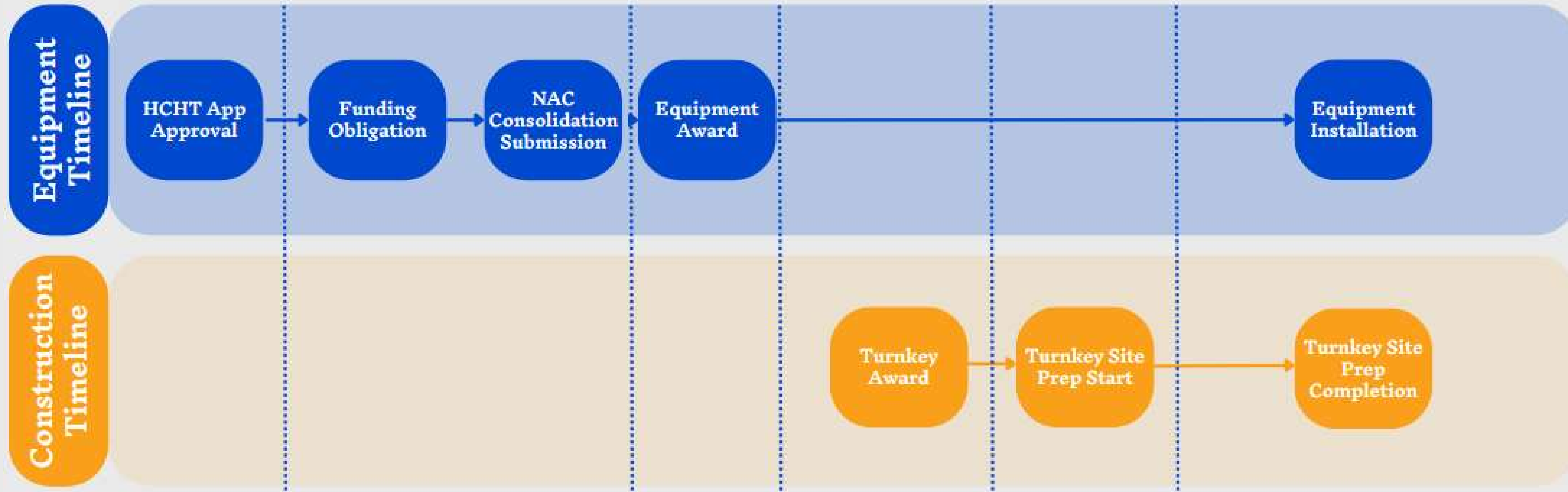


Example provided by VHA MIEAD Workgroup

Design/Bid/Build



Turnkey Example





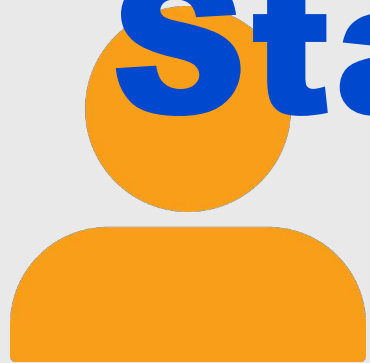
INSTALLATION

Project Management

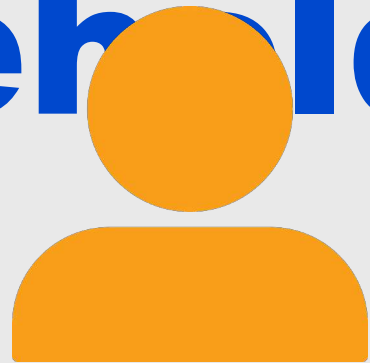


Key

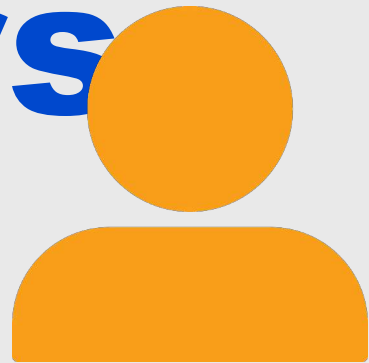
Stakeholders



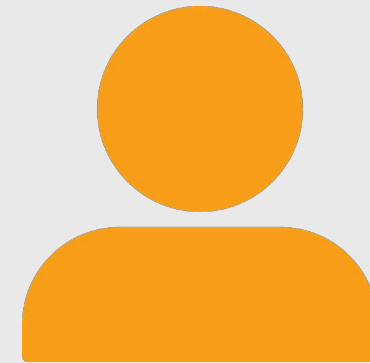
**Biomedical
Engineer**



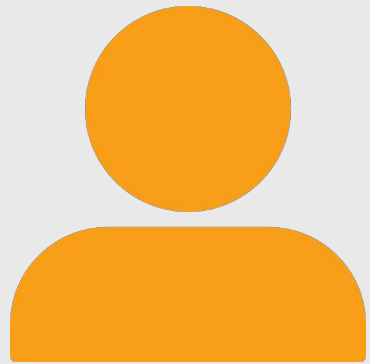
**Vendor Project
Manager**



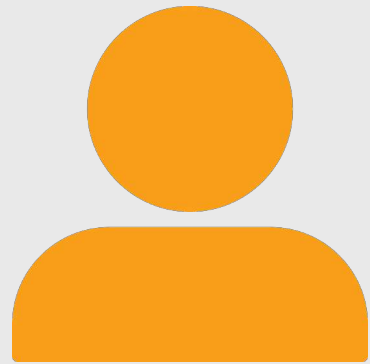
**Clinical End
Users/Admin**



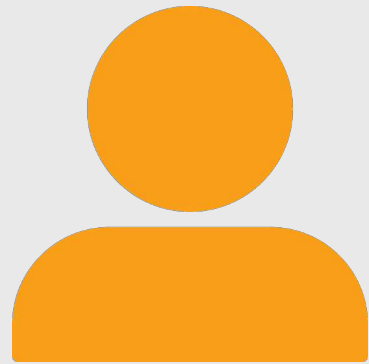
**Facilities
Engineering**



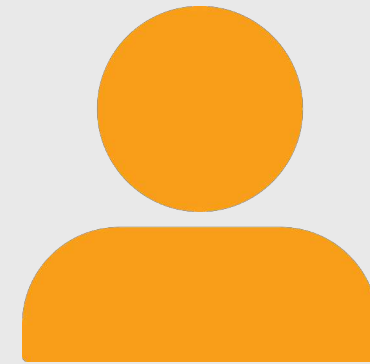
**Construction/
Contractors**



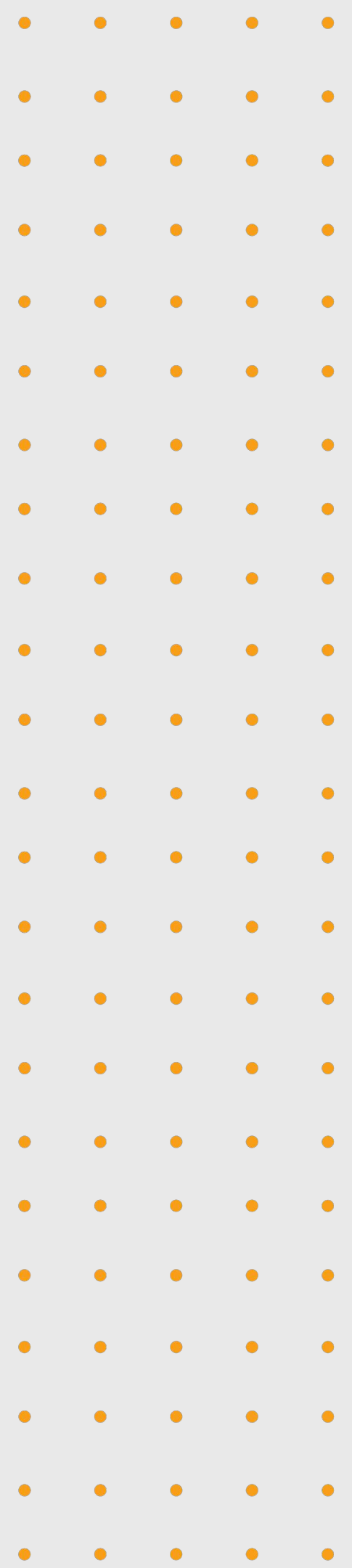
**Logistics/
Warehouse**



**BESS
Teams**



**IT
Representative**

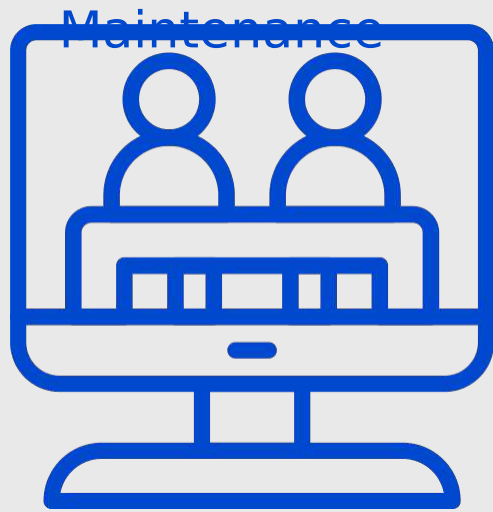




SUSTAINMENT

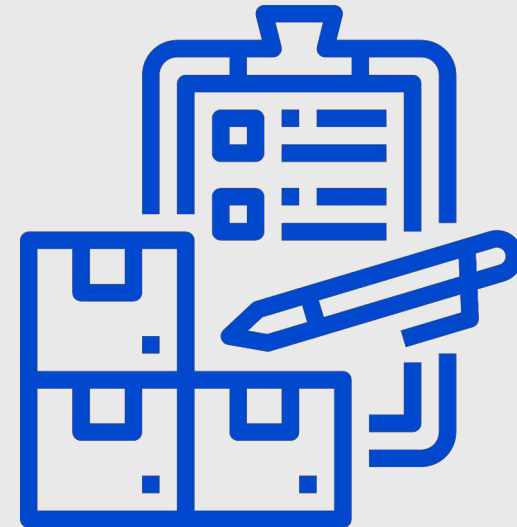
Training

- BESS Training
- First Look
- Preventative



Inventory Management

- Recalls
- PM Schedule
- Replacement Planning



Service Contracts

- Preventative Maintenance
- Repairs
- Upgrades



Equipment Planning

- End of Life Factors
 - Age
 - Condition
 - Use Frequency
 - Growth
 - Clinical Application
 - Cybersecurity
- Timeline
- Importance

Sustainme nt



LESSONS LEARNED

Quick Tips

Overcommunication and Documentation

You've heard it a million times before, and we're here to say it again.

Pre-Planning and Risk Assessment

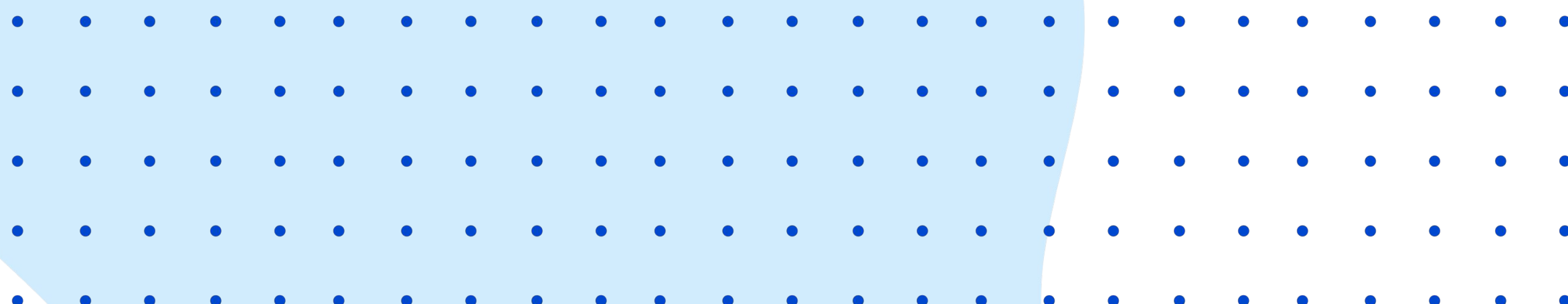
Set yourself up for success! Don't assume anything, you know what they say.

Physical Presence

Being present at a project site helps expedite issues and fosters strong working relationships that can be beneficial in many ways.



Projects





CONCLUSION

Thank
you!
Questions
?

