4-6 October, Nationals Park, Washington DC

Owning Uncertainty – Embracing Risk and Change in Projects

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2022

Project Controls

Cost and Schedule Overrun Stats



40% of projects fail to hit budget and schedule targets – PMI.org Organizations have reported that at least 40% of their projects were impacted significantly by the COVID-19 pandemic and that 20% of those projects will not deliver business outcomes as expected due to delays & cost overruns. – PMI.org



60% of projects are delayed or canceled because of delays.

– The Associated General Contractors (AGC) of America



In a 3-year study, only 31% of projects came within 10% of budget – Propeller Aero





Change Management & Risk Impact

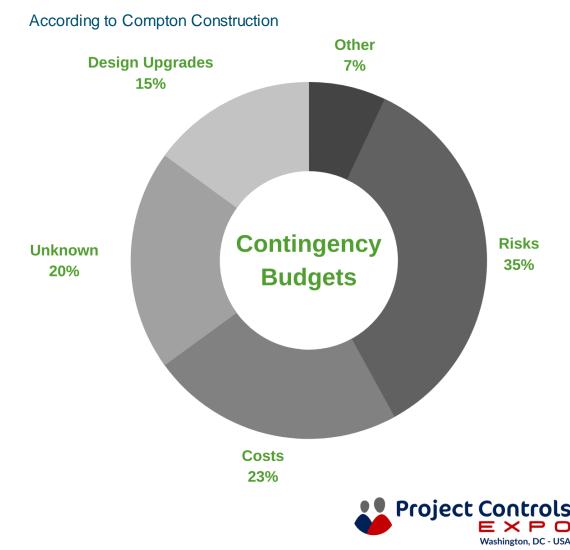
Risks & Changes are inevitable, so they must be accounted for in project cost & scheduling.



According to The Associated General Contractors of America

> 19.32% of those projects were more expensive

Impact on Project Costs: 5%-10% of total project budget determines contingency.



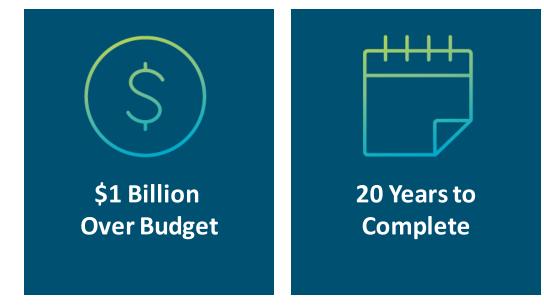


Cost and Schedule Overrun:

Warning Signs = Risk

The Denver VA Hospital

The Goal: To provide a state-of-the-art facility where over 400,000 veterans and their families would receive medical care









Cost and Schedule Overrun: Warning Signs = Risk

Denver International Airport Baggage System

The Goal: the airport would house a fully-automated luggage system that would manage baggage travel and transfers



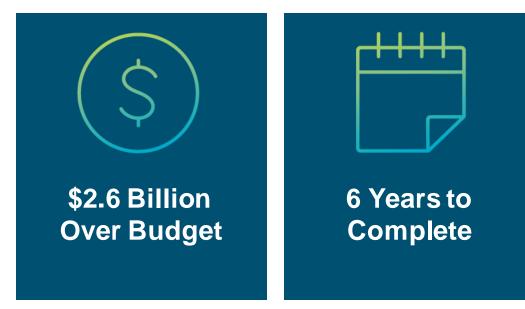






Cost and Schedule Overrun: Warning Signs = Risks

The English Channel Tunnel









Cost and Schedule Overrun: Control the Risks and Manage the Change

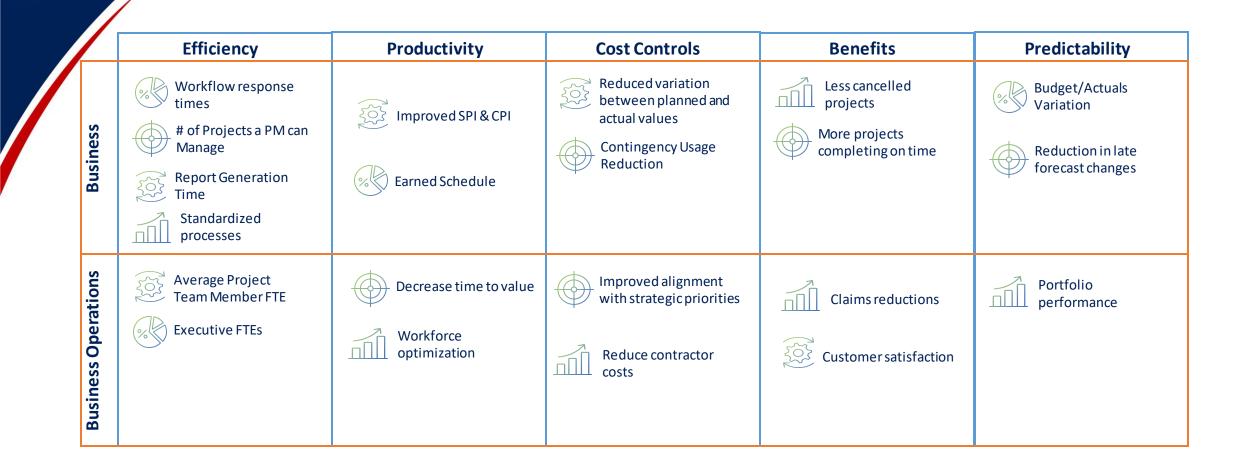
Each Project Suffered **Due to a Lack of:**







Neglected Data at Our Fingertips

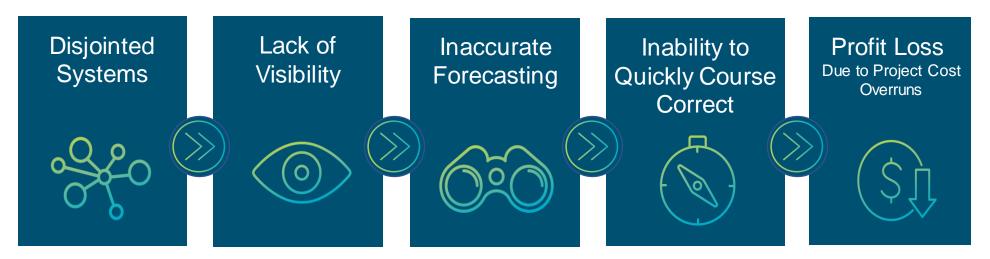






The Need for an EPP Approach

Prior to turning toward an Enterprise Project Performance (EPP) mindset, the composite organization struggled with:





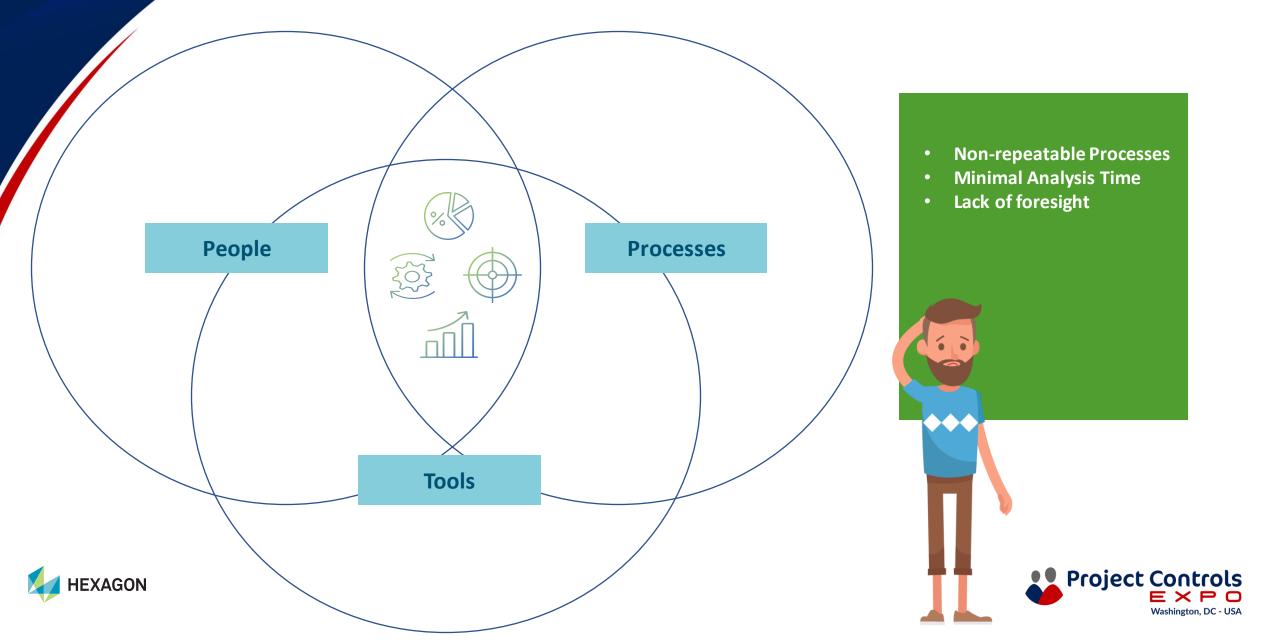
combats the negative effects of disjointed systems by consolidating the entire project portfolio ecosystem into one location/software.



Based on the commissioned study "The Total Economic Impact™ of EcoSys™ by Hexagon" conducted by Forrester Consulting on behalf of Hexagon, January 2022.



Using Data to Influence Project Management Behavior



Using Data to Influence Project Management Behavior

Timelier risk identification and mitigation

Proactive stakeholder communication

202

More accurate forecasting



Exploit cost savings

People

Prioritize time

Elevate team Project Management skills

Better timely forecasting

Increased job satisfaction



Project

- Visibility into Risks and Issues
- Able to quickly pivot resources



Risk and Change Management Starts Early:

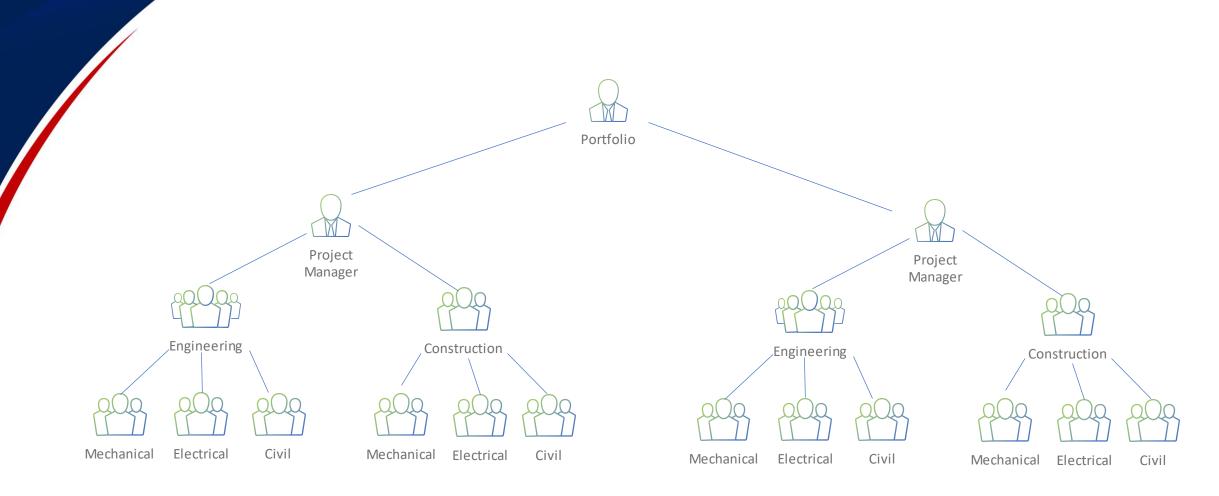


Project Controls



Based on PMI's Report "The Standard for Risk Management in Portfolios, Programs, and Projects," (2019).

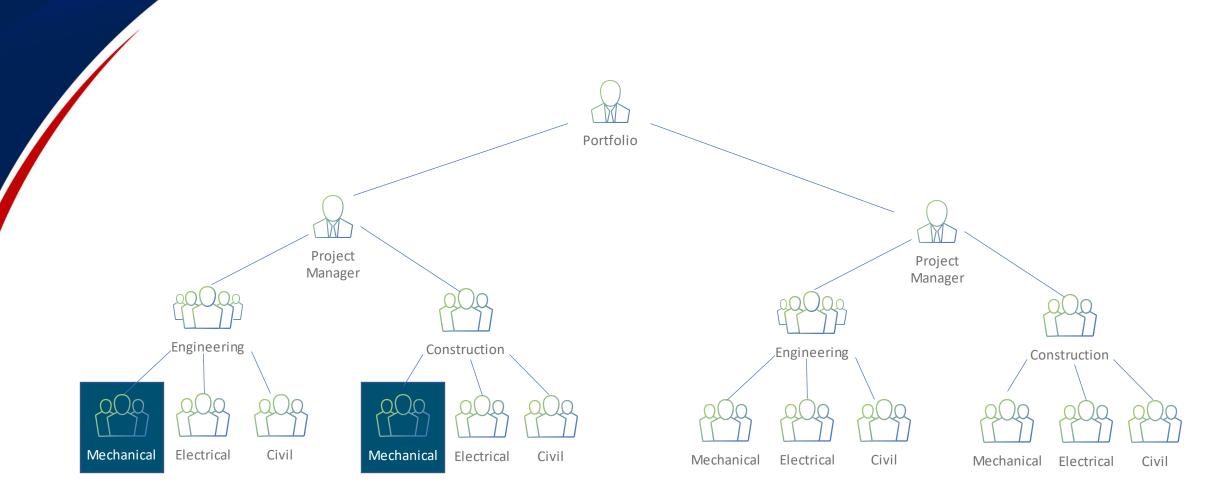
Horizontal & Vertical







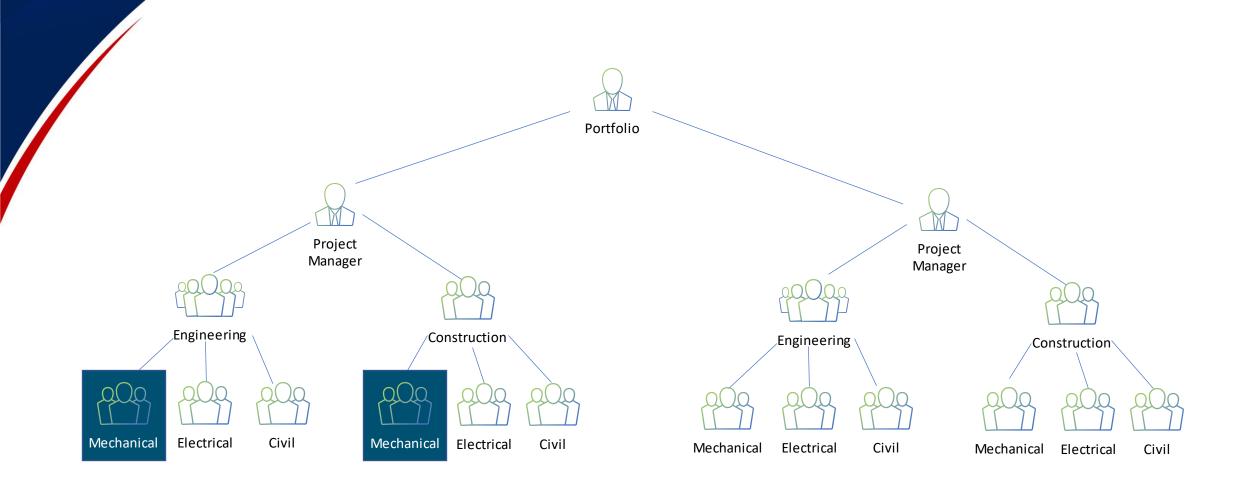
Horizontal Risk & Change Management







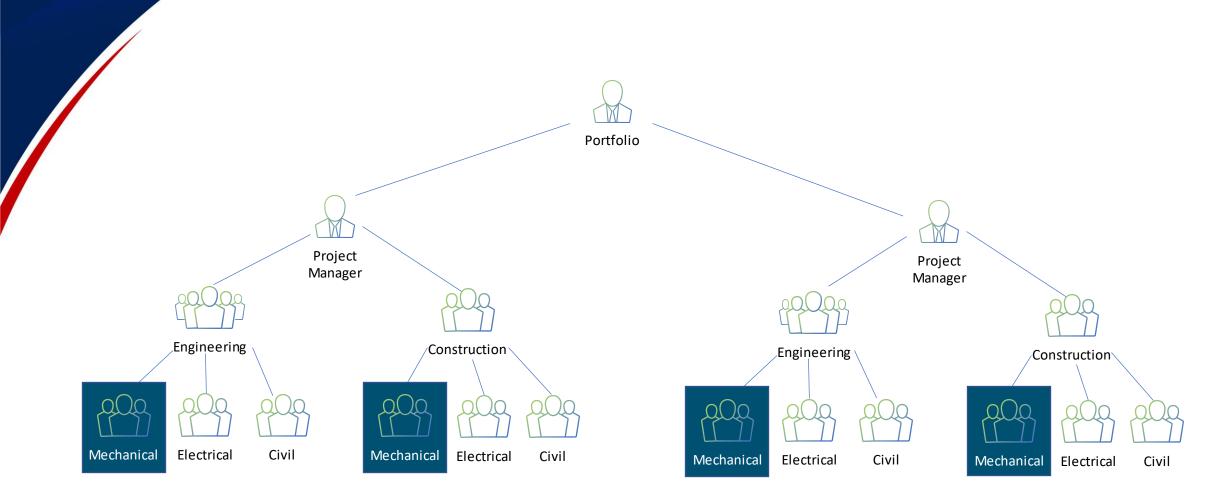
Horizontal Risk & Change Management







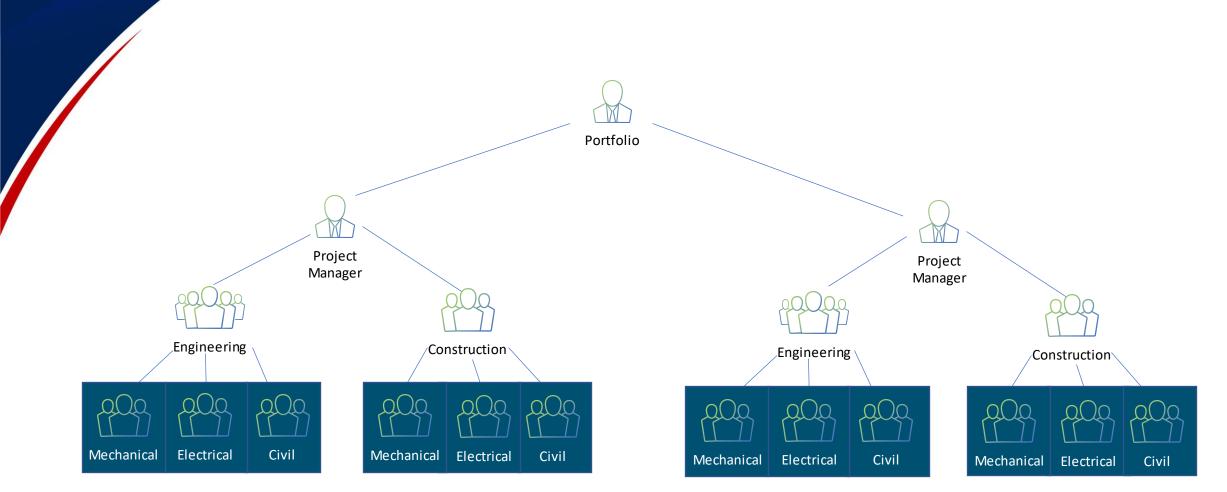
Horizontal Communication







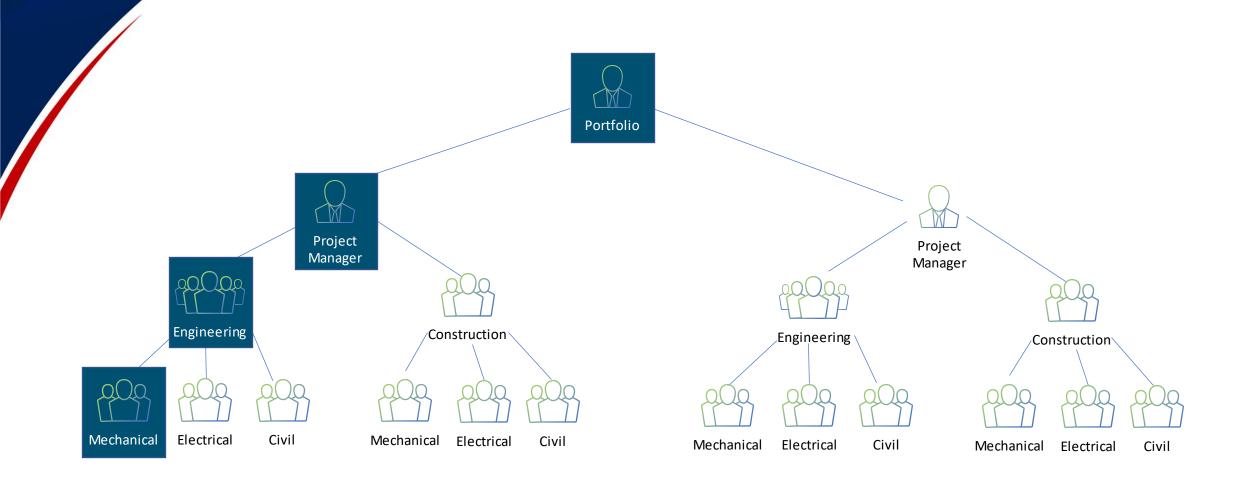
Horizontal Communication







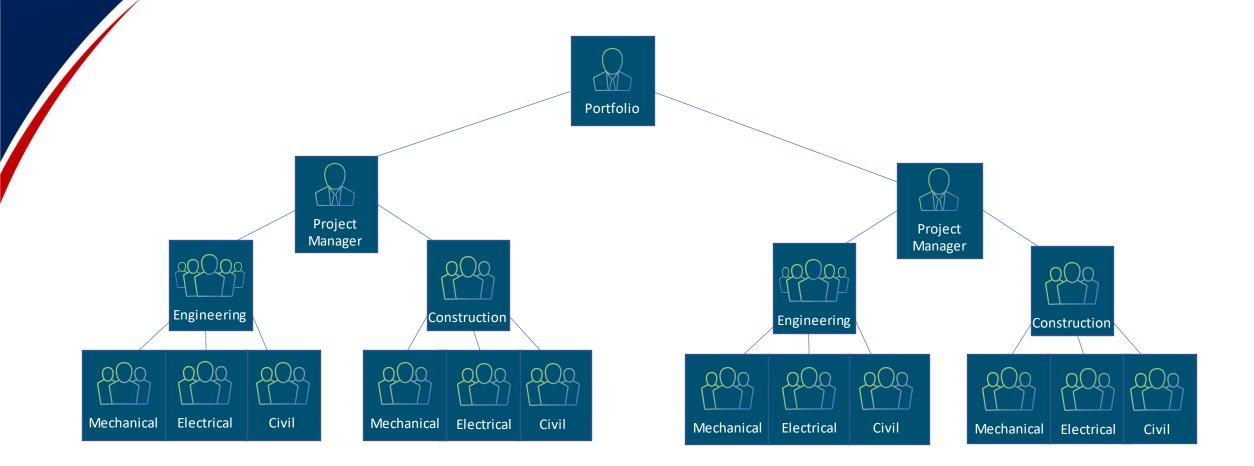
Vertical Communication







Full Horizontal and Vertical Risk & Change Management





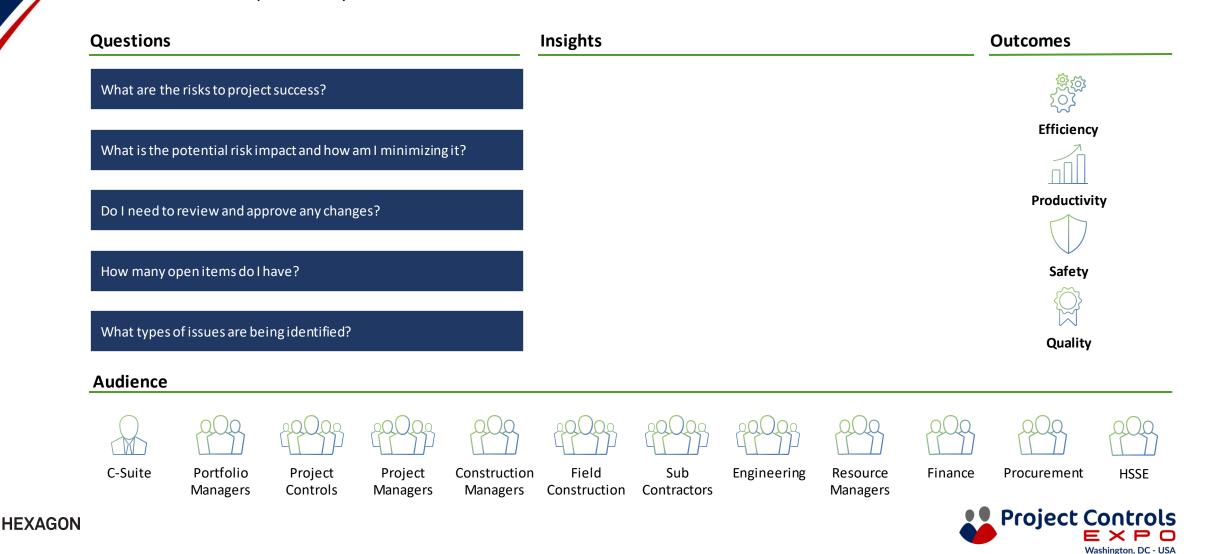


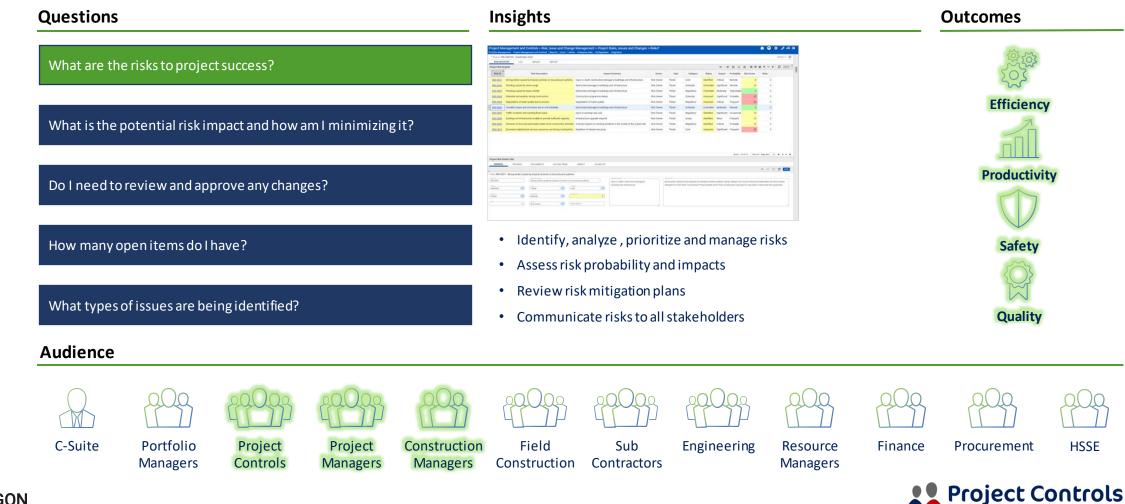
The Building Blocks to "Owning Uncertainty"

	Owning U	Owning Uncertainty		
Established Culture of identifying changes & risks		Formalized analytics		
Clearly defined baseline scope, budget, & schedule	Ability for all stakeholders to participate	Automated workflow fo notification and approva process		v to capture ated system



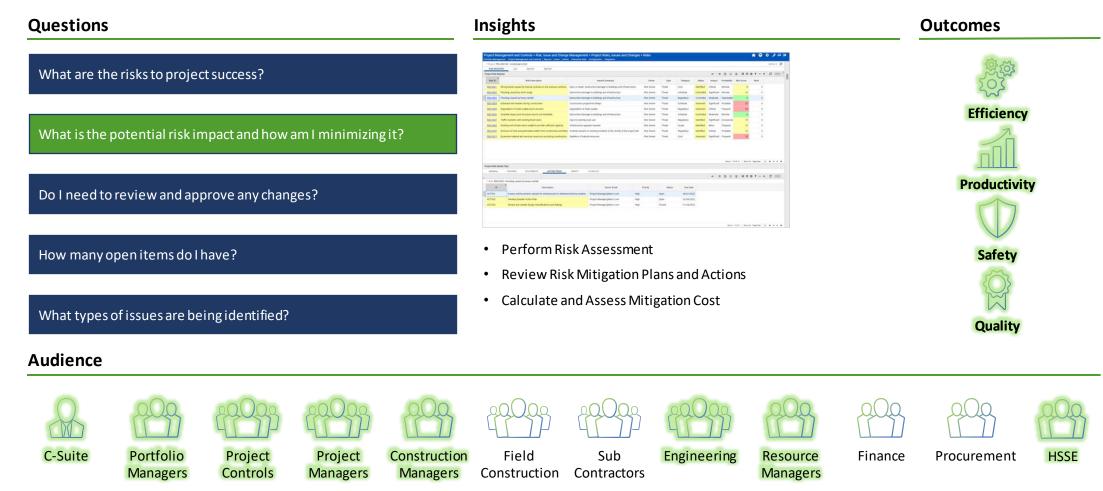






Washington, DC - USA

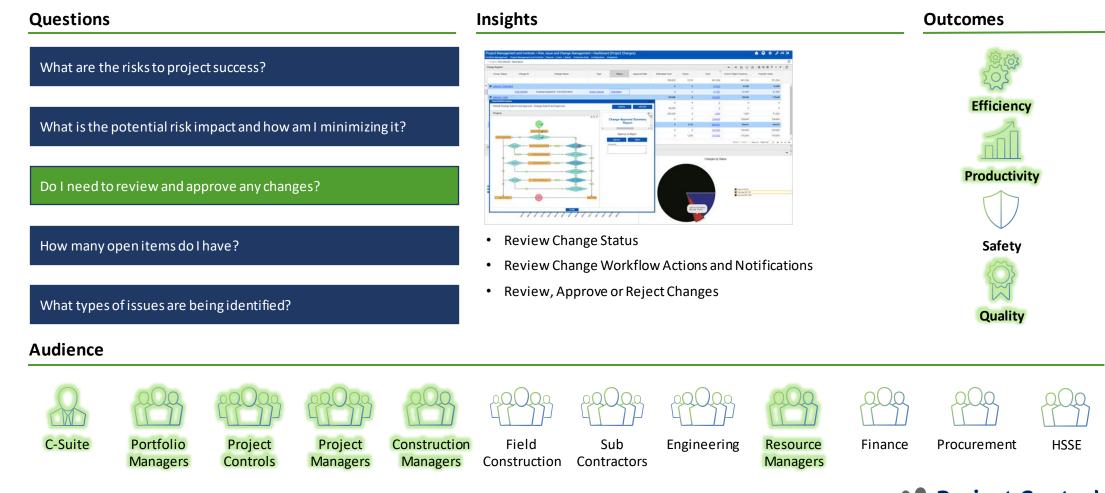




Project Controls

Washington, DC - USA

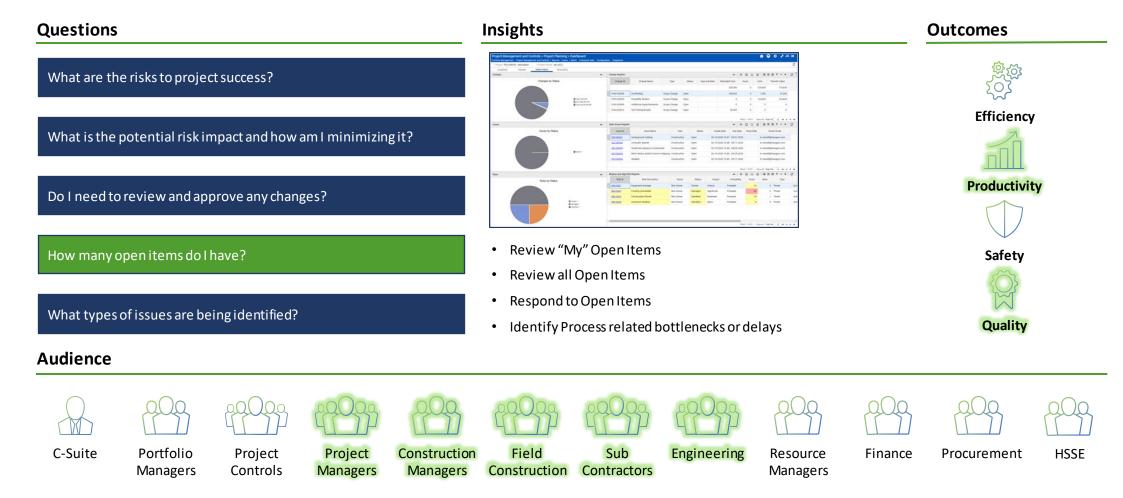






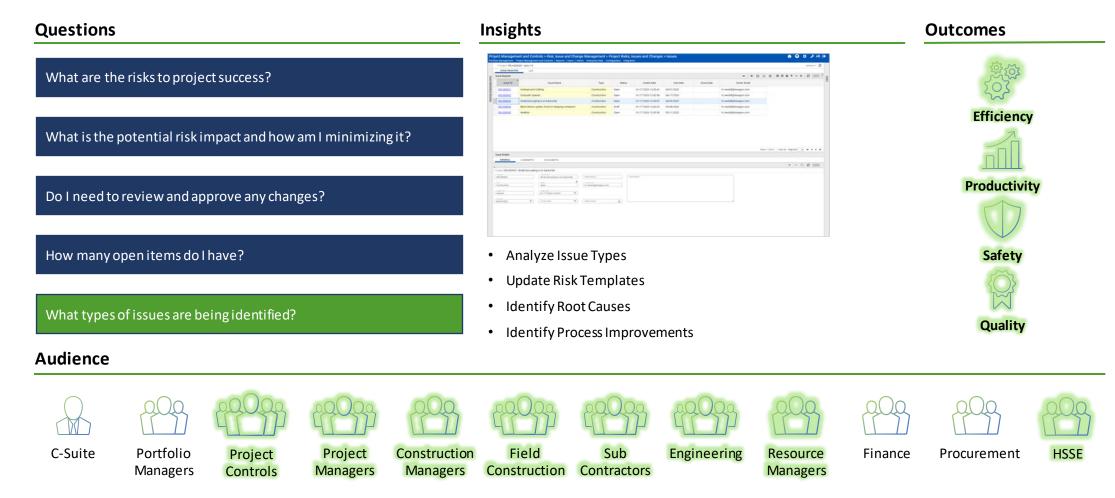
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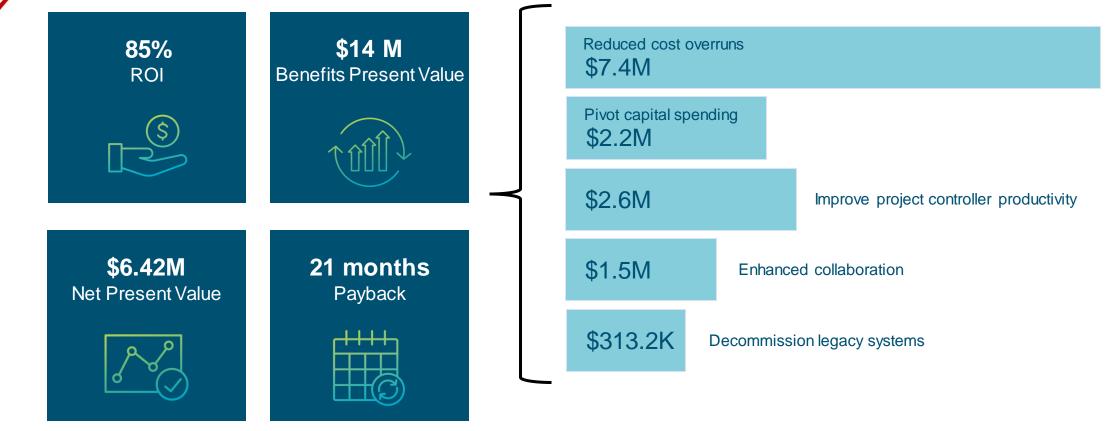






The Total Economic Impact[™] of EcoSys

Over 3-year span for composite organization





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Demonstration

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THANK YOU

