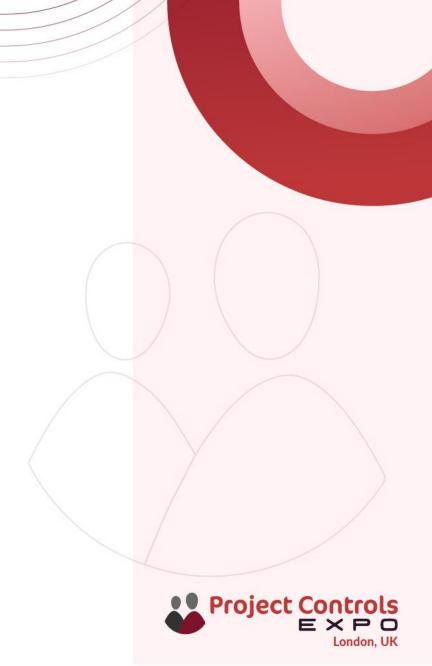
Program Controls Engine

Case Study



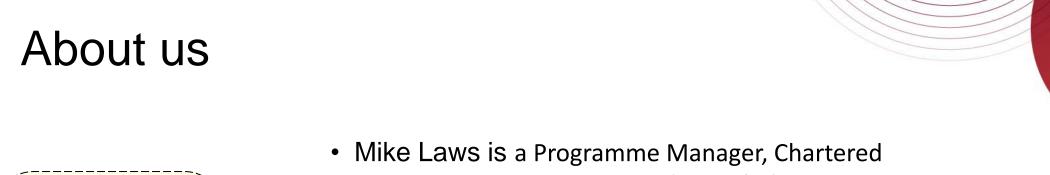


Agenda

- Welcome and Introductions
- PgCE Concepts
- Case Study Program Overview
- PgCE Implementation Process
- PgCE Setup and Operational Considerations
- PgCE Dashboards
- Q&A









- Mike Laws is a Programme Manager, Chartered
 Management Accountant and Knowledge Management
 enthusiast. I've led teams across the controls functions of
 major Programs for the last fifteen years, in Defence,
 Transportation and Rail.
- Prior to Joining AECOM, I was Head of Core Controls (cost, risk and schedule) for the Palace of Westminster Restoration and Renewal Programme, with Particular Responsibility for informing, controlling and communicating the delivery cost and schedule risk estimates.



About us





Jeff Quantrill is Head of Account Management (EMEA) at InEight



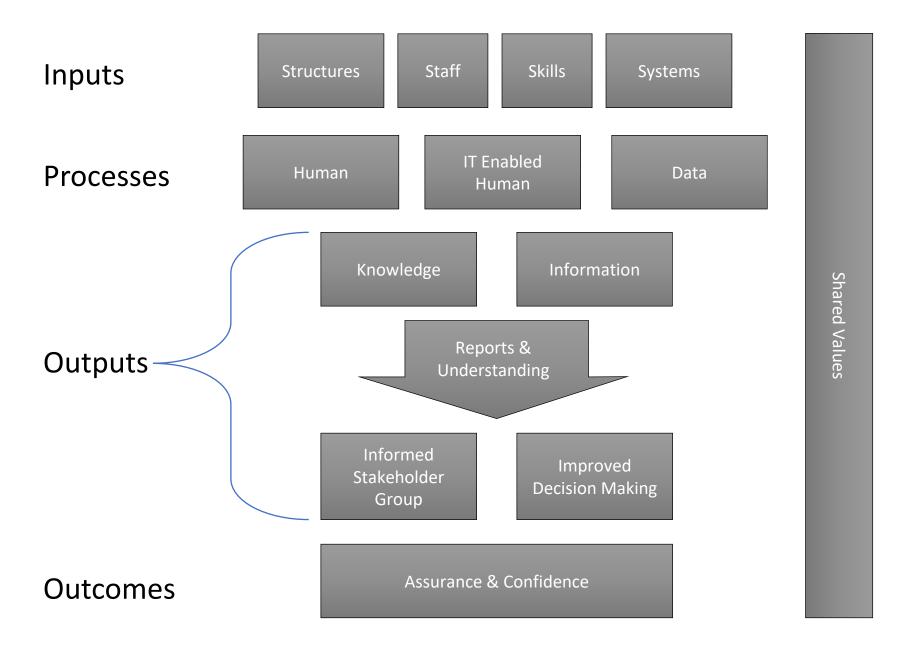


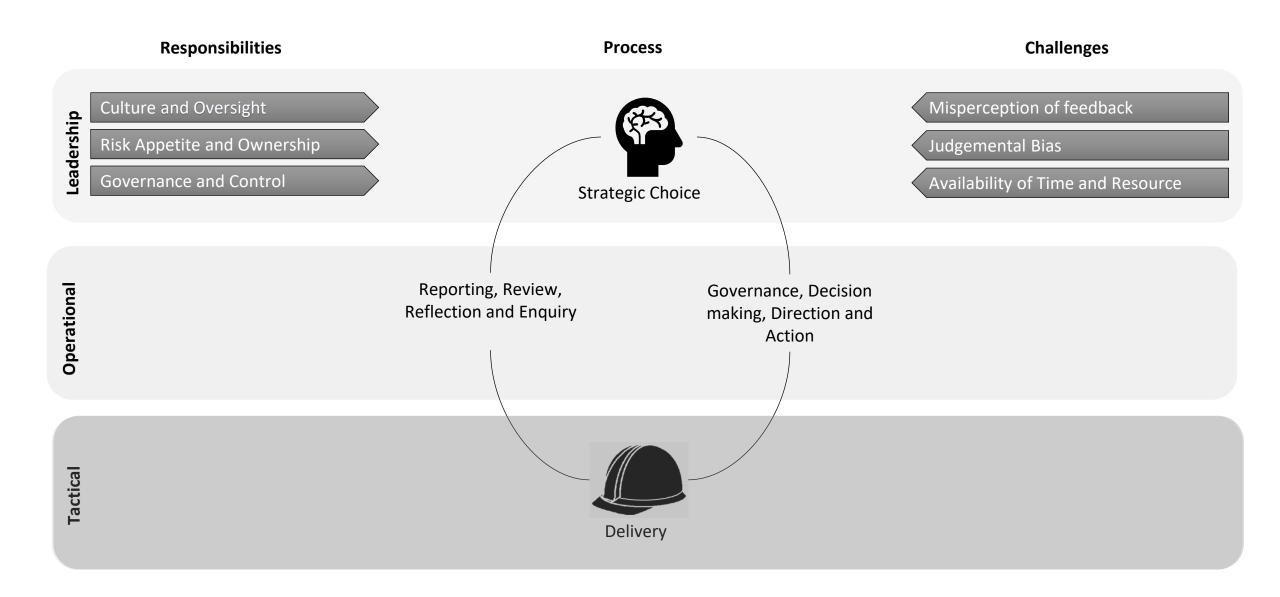
Introduction to PgCE Controls Engine

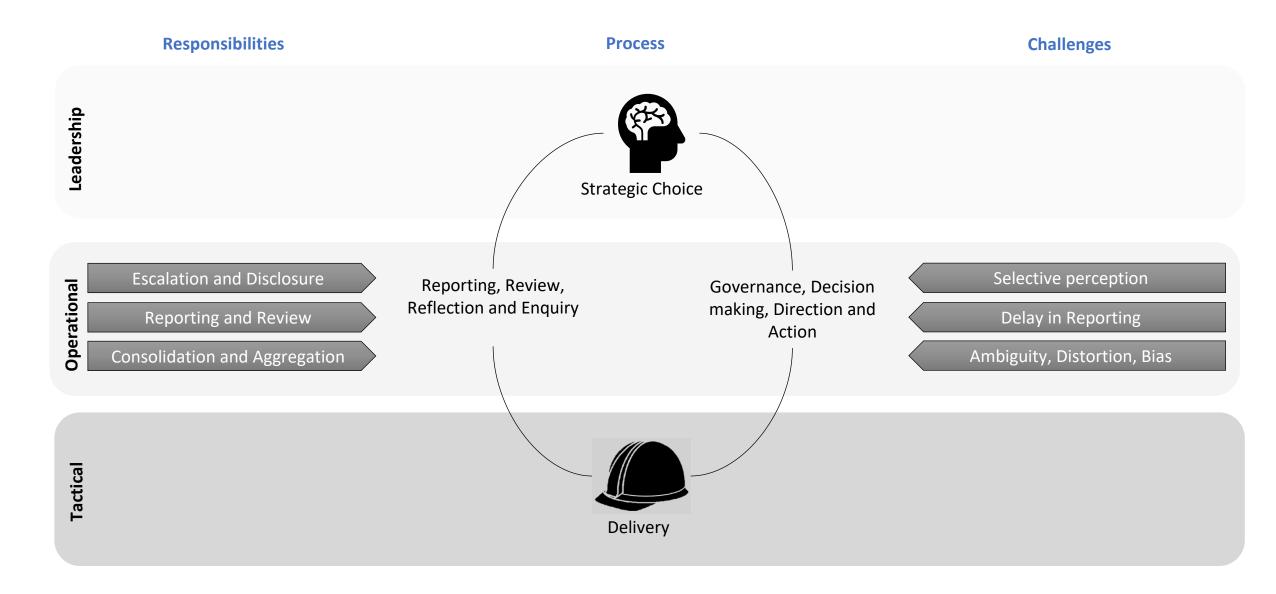


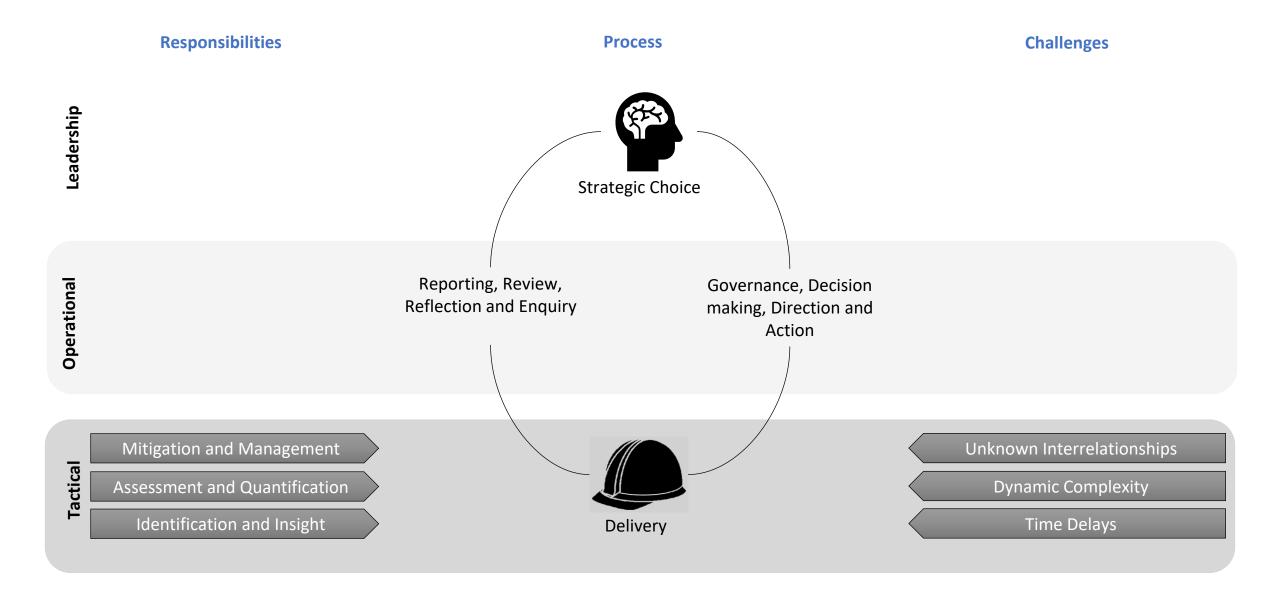


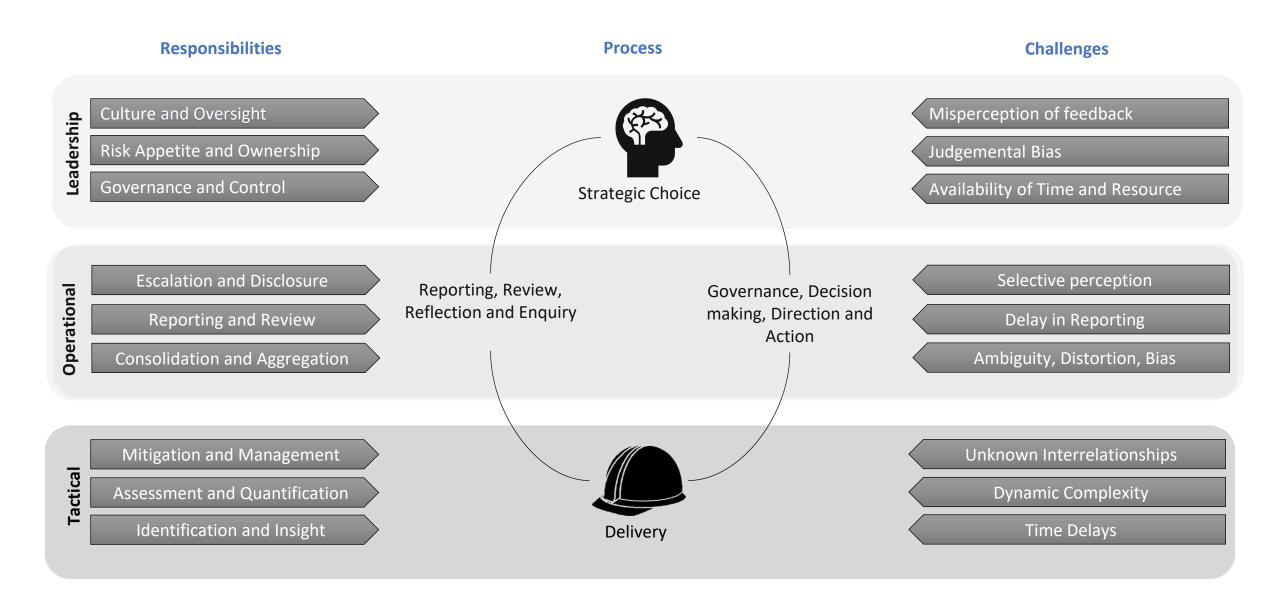
Enablers of Effective Control



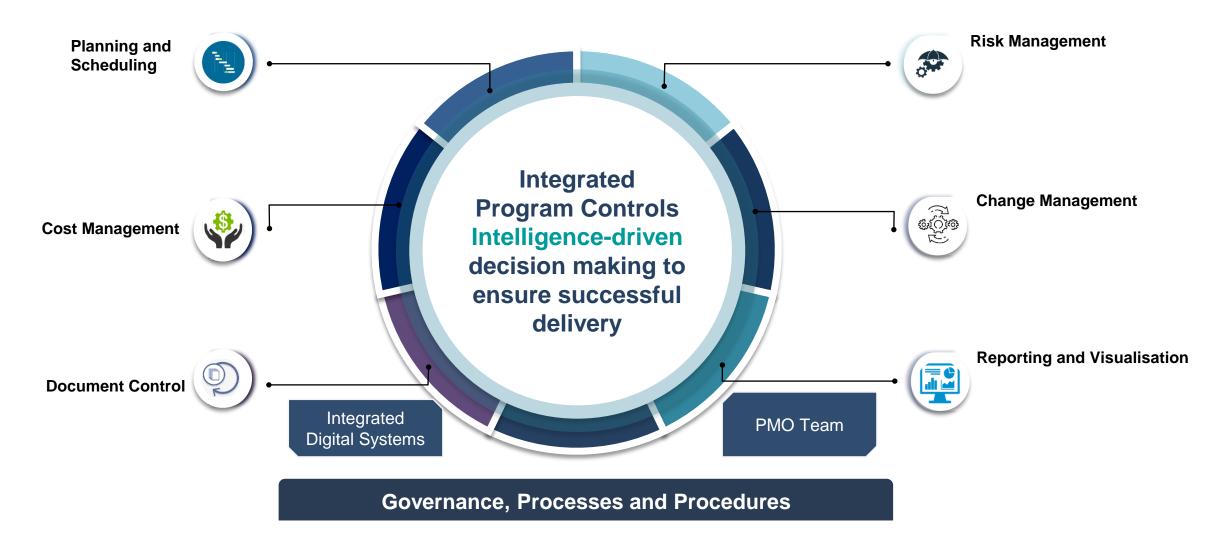








Integrated Program Controls and Digital Framework



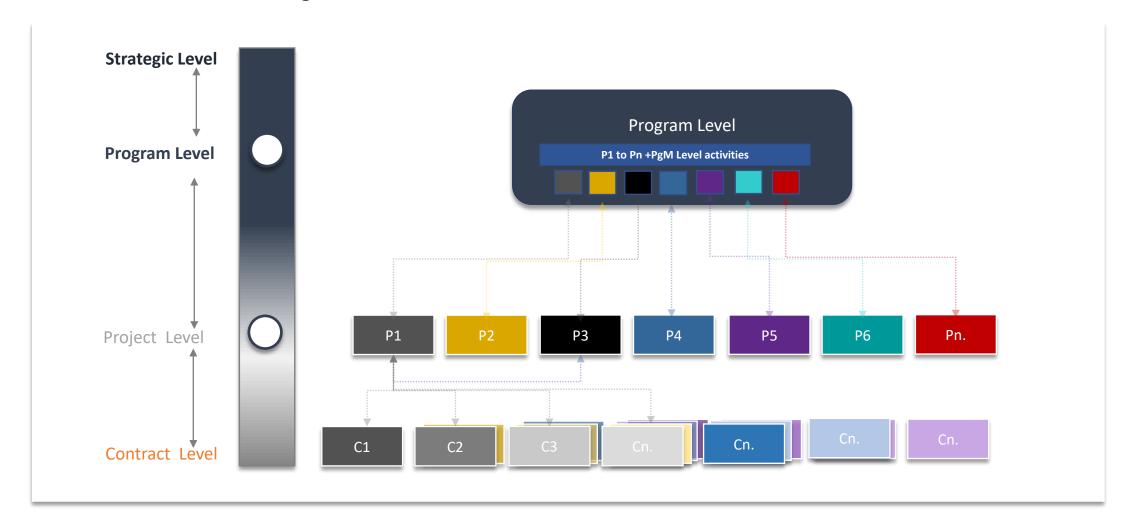
Guarantee visibility to all facets of program delivery





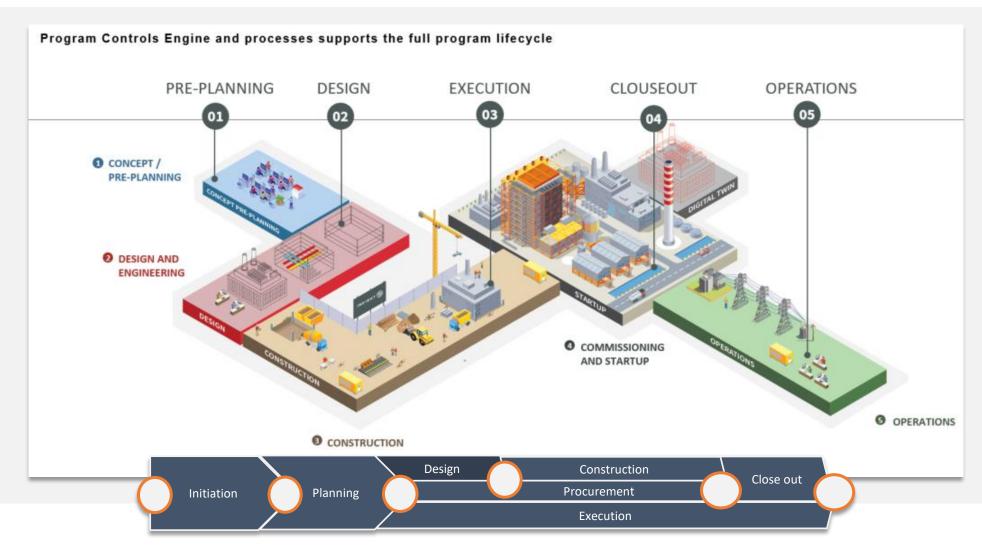
Program Controls Engine

Seamless data flow through all levels of controls



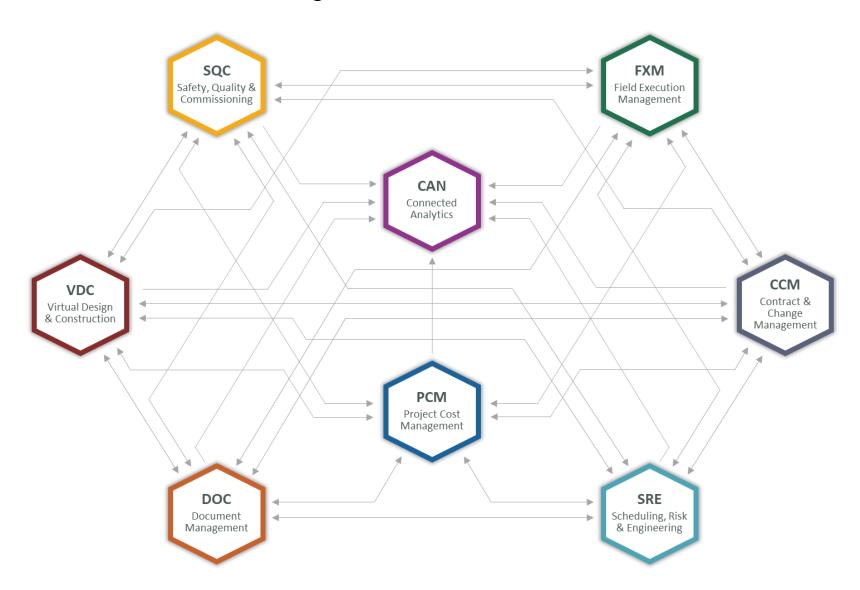
Program Controls Engine

Seamless flow of Data throughout Project Lifecycle



Functional Data Integration:

Integration of Controls and Management attributes

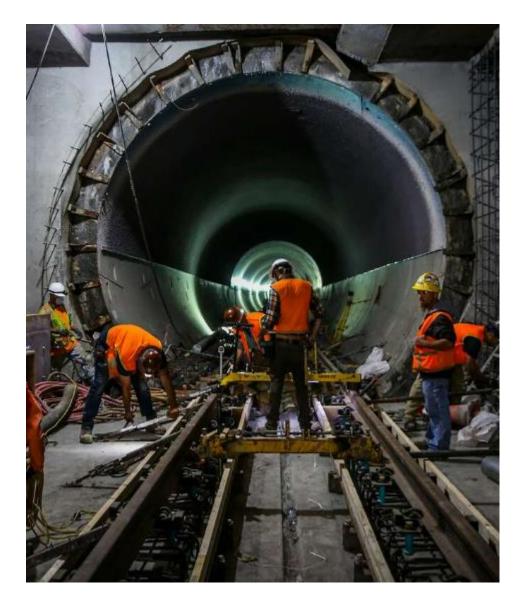


Case Study Program Overview





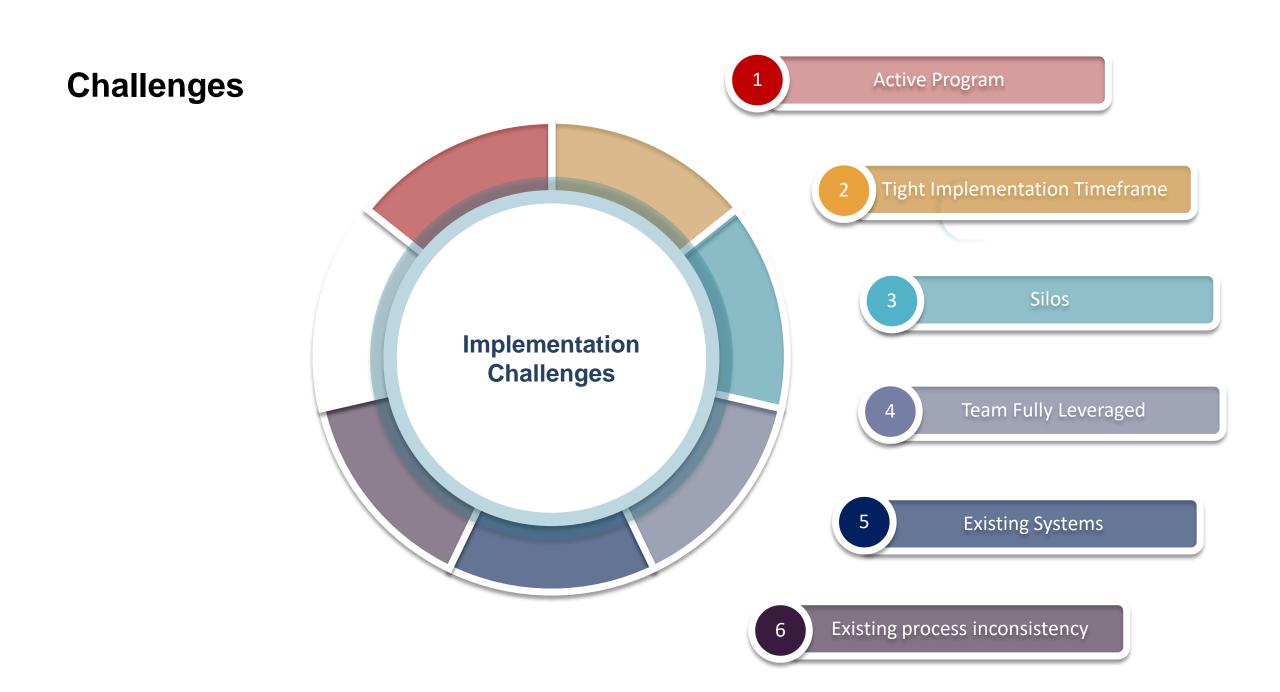
Case Study Introduction



- Strategic Objectives
 - Improve subway performance by implementation of automated communication/coordination between trains
- US Northeast 5 Year Mid-sized Rail Program
 - Communication Based Train Control
 - 4 Stations
 - Mature Client
 - 3 Primary Contractors
 - Existing Systems Document Control, Oracle P6
- AECOM Role and Services PMCM

Desired Outcomes





PgCE Implementation





Consistent and Rapid deployment **Strategy** Tight Implementation Timeframe Stakeholder engagement and 2 & 3 connectivity Silos **Implementation Strategy** CInitiation Team Design solution to fit the needs ExistiStreamline process tency

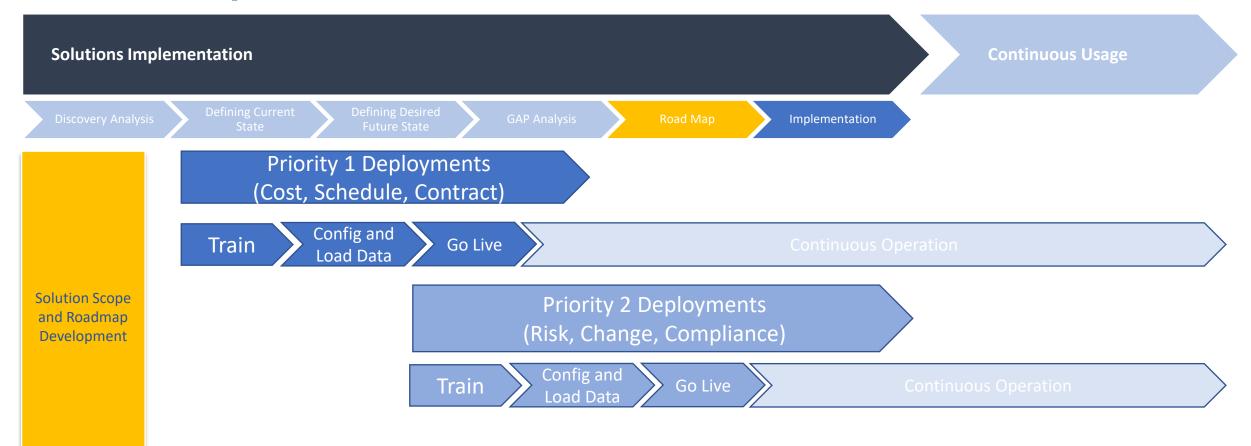
Solution Scope and Roadmap Development

Continuous **Solutions Implementation Enhancement** Defining Defining Discovery **Desired Future GAP Analysis** Road Map Implementation Analysis **Current State** State **Current Program Detail Client Design Solutions to Data Gathering** Program Scope and Status Requirements Sequence of Meet Requirements Structure **Resource Status** Align PgCE Design Solution Solution Config and **Evaluate Resource** with Requirements Data Loads Requirements **Existing Data** Implementation Constraints Services Scope & Current State **Training** Structures Implementation Identify and Resource Plan **Clarify Resource** Bo Live **Existing Systems** Timeline Mitigate Gaps Requirements **Exiting process**

Roadmap Transition



Solution Implementation



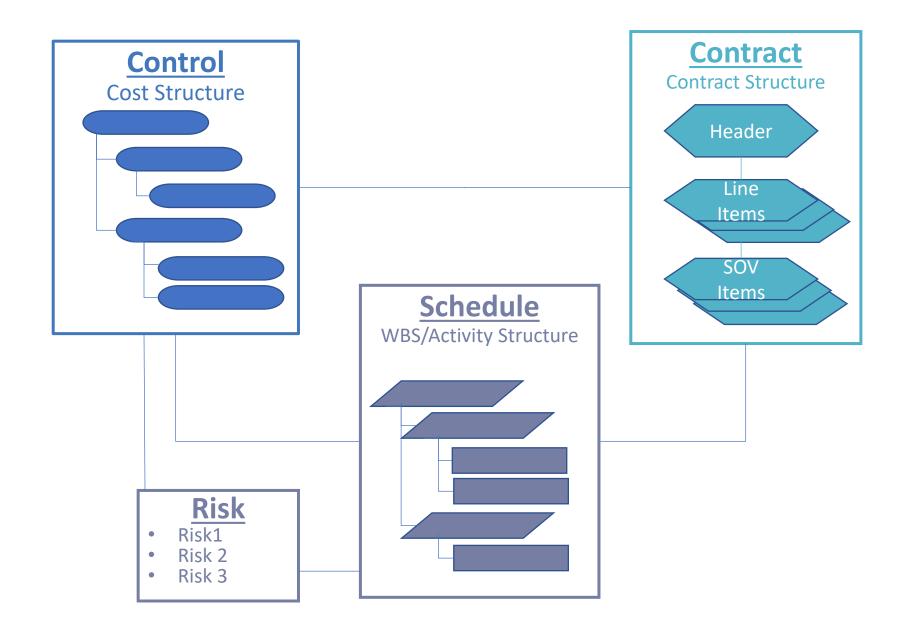


PgCE Setup and Operational Considerations





Data Considerations – System Setup



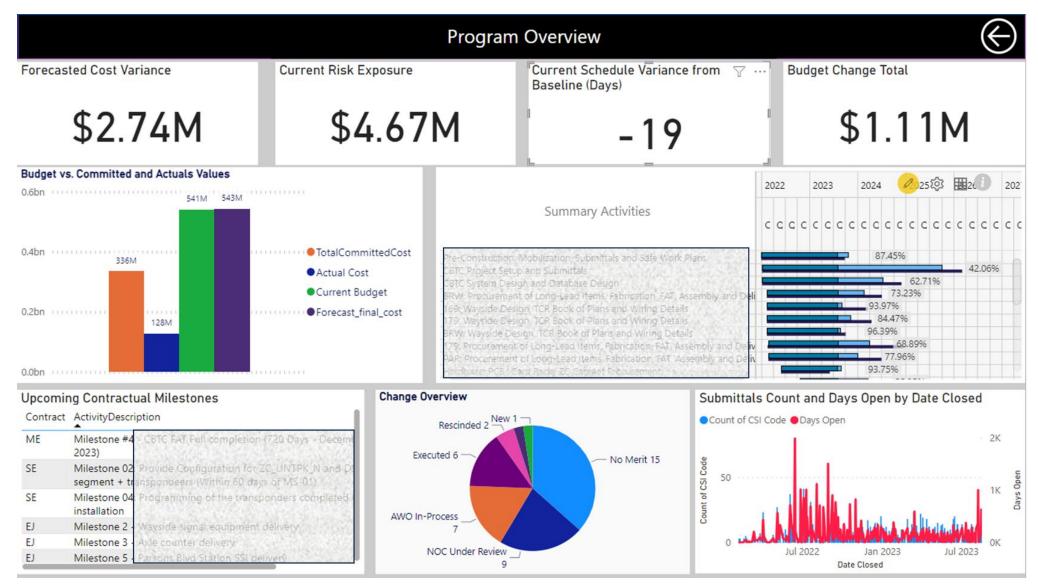
Field Inspectors **Data Considerations - Operational Explore Status** Reporting Dashboards/Power BI Contract **Control Contract Structure** Cost Structure **Progress** Funding/ Header Verification **Budget Changes** Invoicing Line Items SOV Owner SOV Items Costs Progress **Schedule** WBS/Activity Structure Schedule **Updates** Risk Risk1 Risk 2 Risk 3 Contractors Owners

PgCE Dashboards

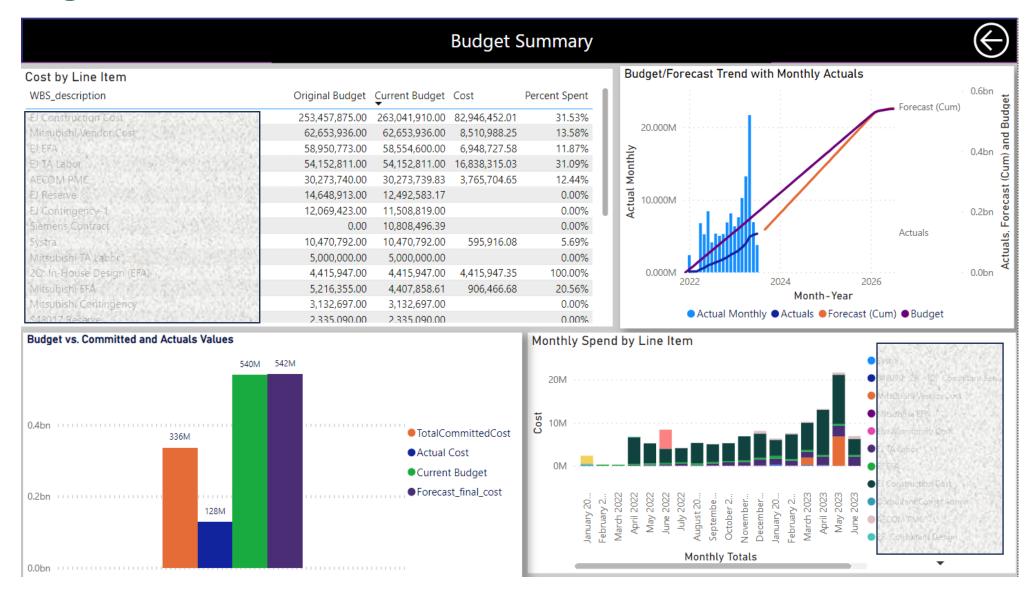




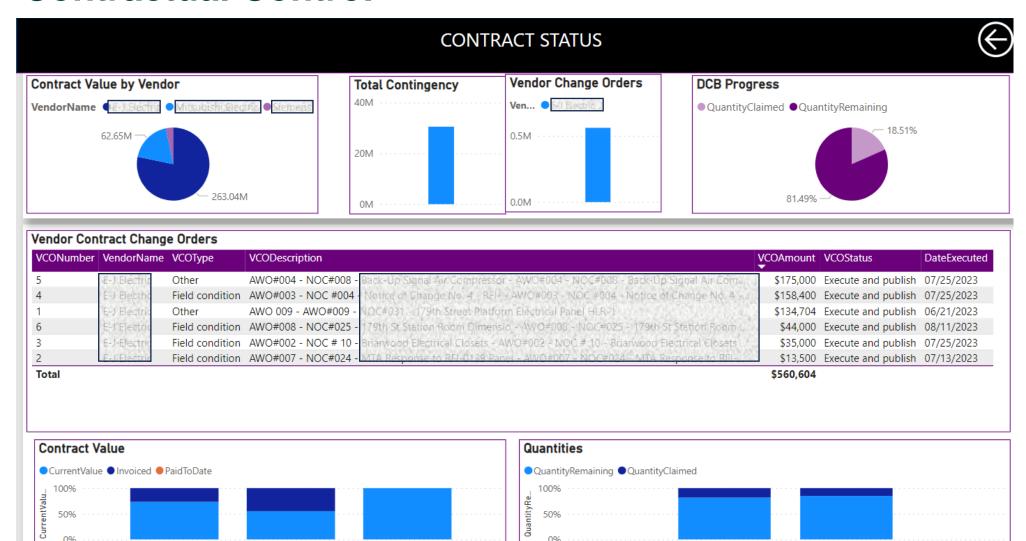
Consolidated Power BI Dashboard



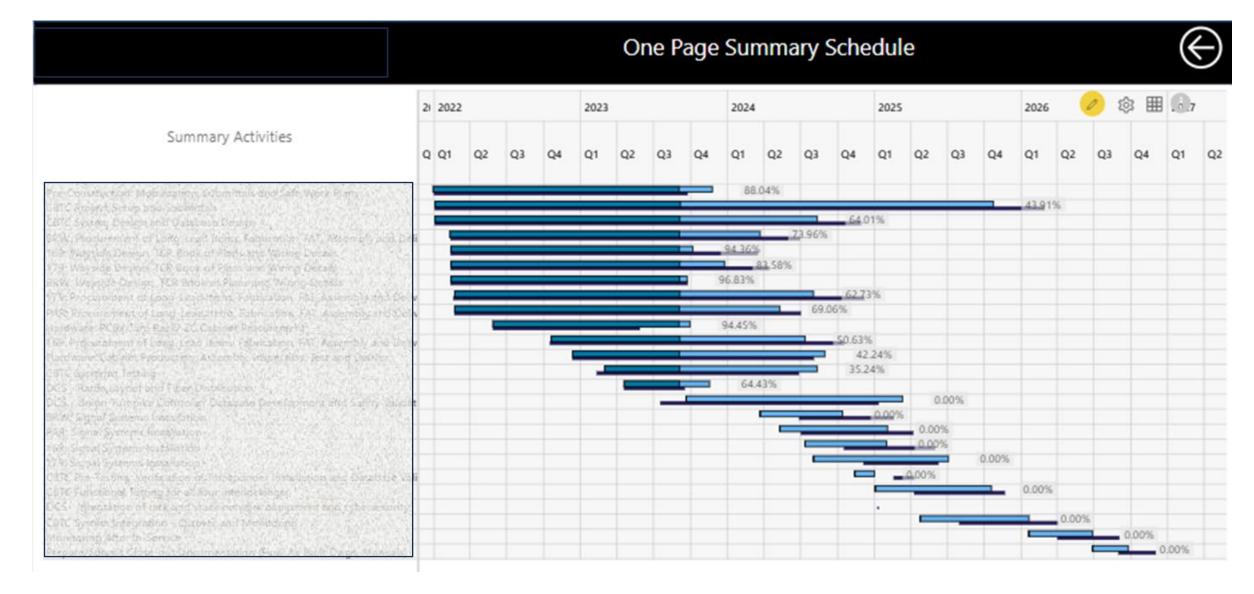
Budget Control



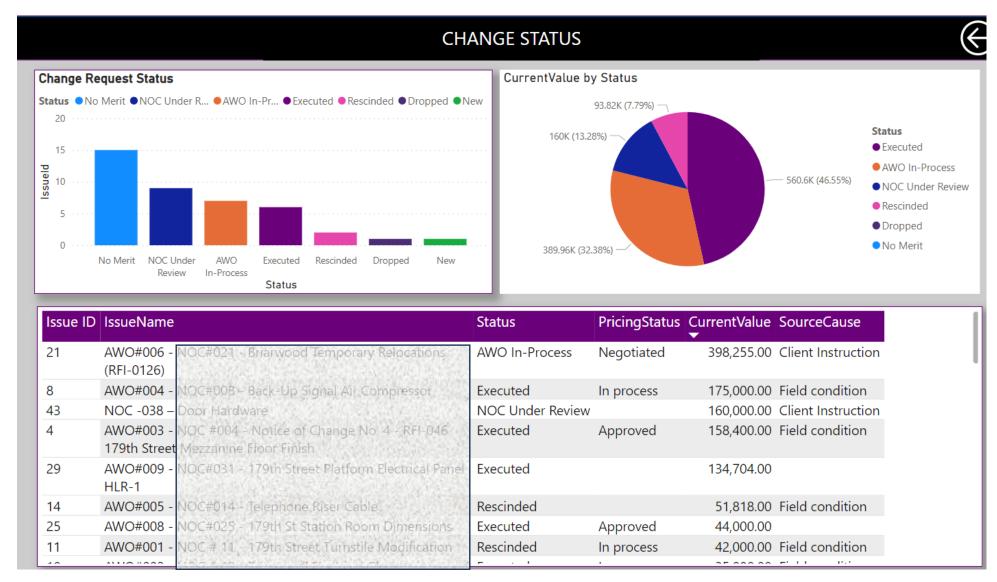
Contractual Control



Schedule Control



Change Control



Risk Control







