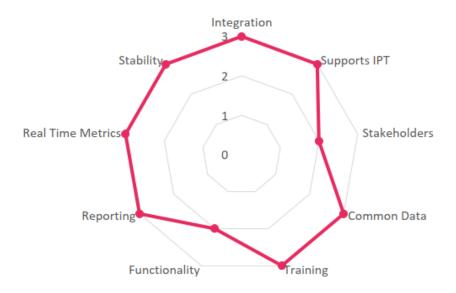
BAM Performance Index

- An Objectives Focused Control System







Speaker – Adam Stamfield

14 years experience in civil engineering

Roles undertaken

- Project Controls Manager
- Digital Transformation Lead
- Senior Planner
- Site Management
- Civil Engineer

Principle Sector – Highways







Speaker – Sarah Jolliffe

19 years experience in construction industry

Roles undertaken

- General Builder
- Site Engineer
- Environment Adviser
- Sustainability Manager
- Carbon Reduction Lead

Principle Sector – Civils





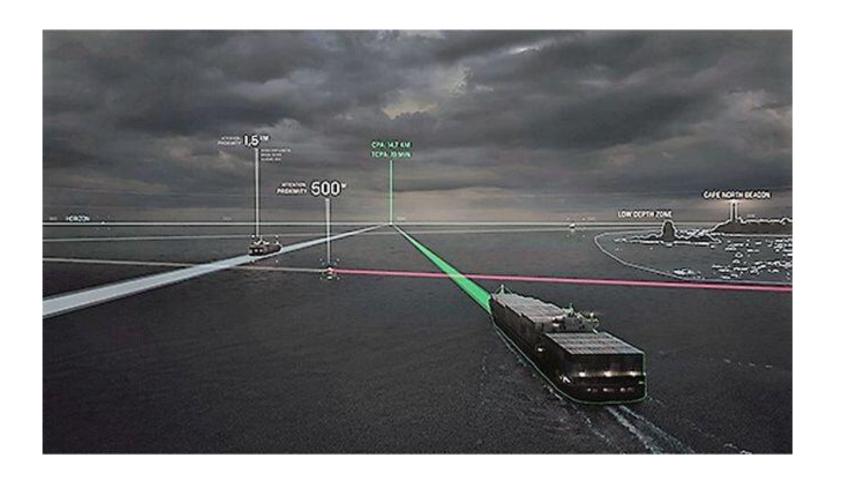








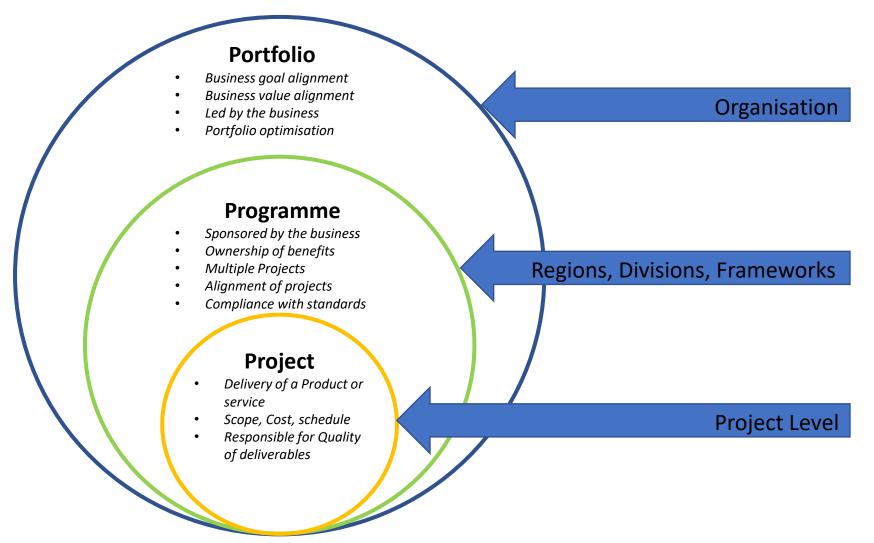
The Value is in the Future







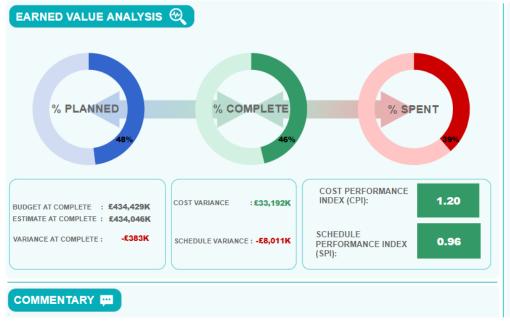
Terminology

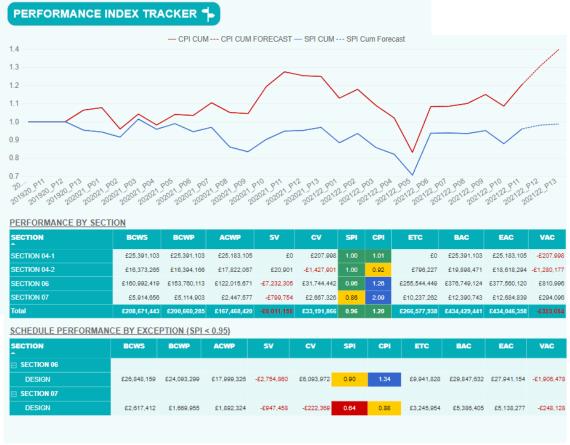






Project Led Controls: Dashboards

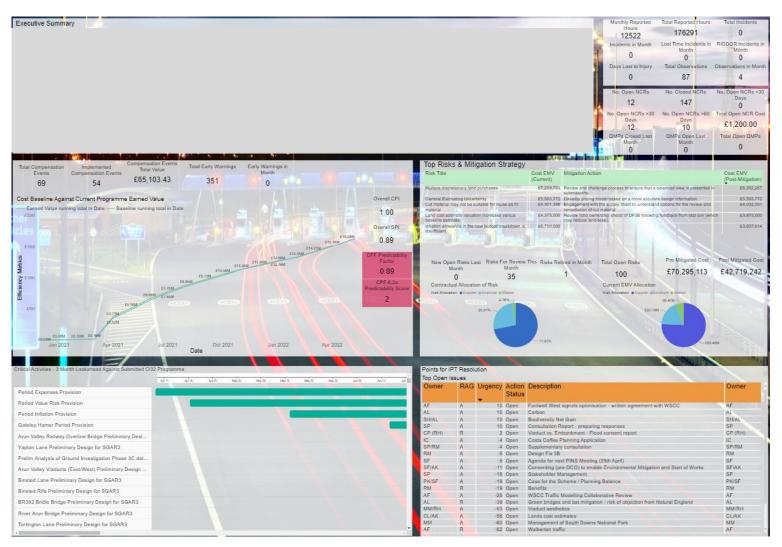








Project Led Controls: Dashboards

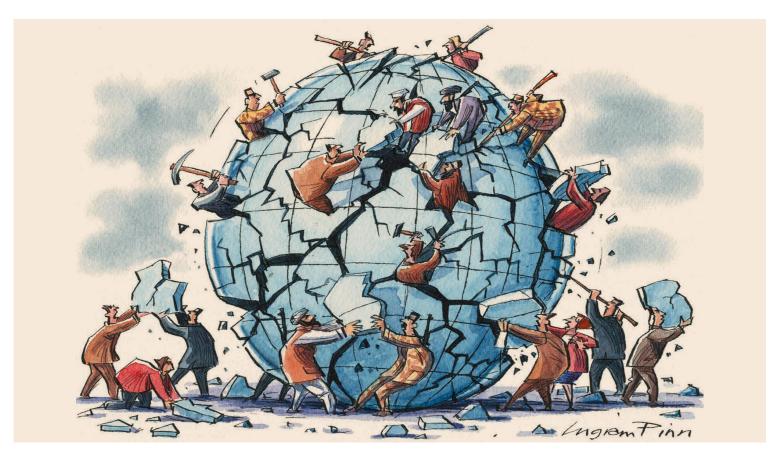






Project Controls: Do We Have the Full Picture?

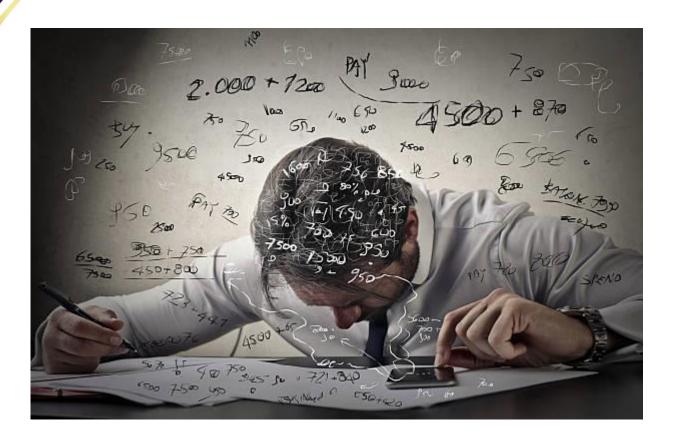
Do we need a plan?

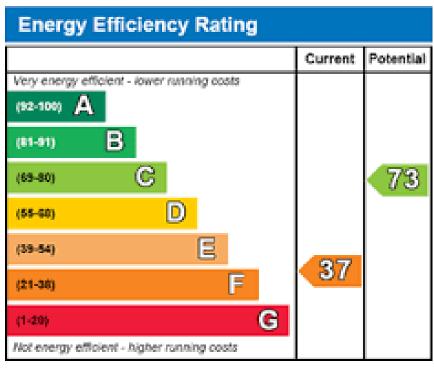






Project Controls: What is the answer?







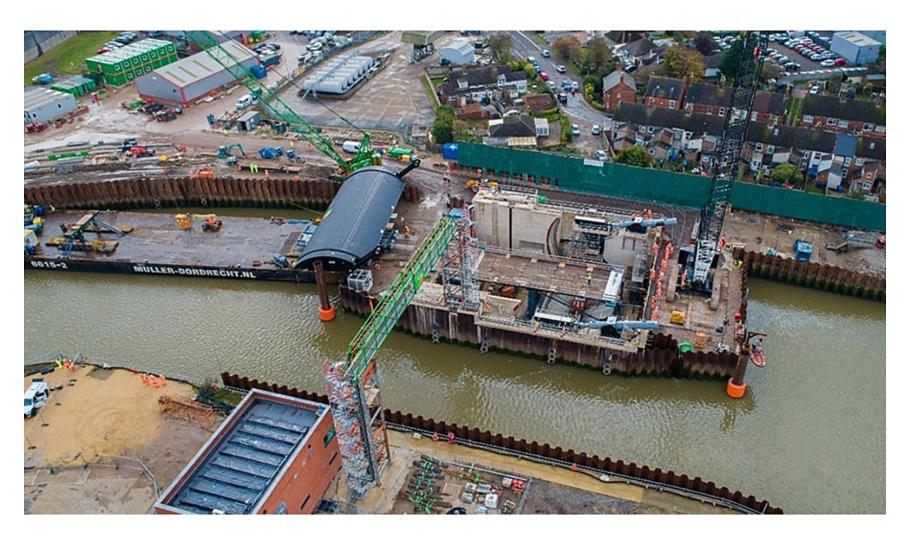








How can we demonstrate sustainability excellence?









BAM Sustainability Index

- Uses existing data
- Score is made up of 5 elements CO2 performance, waste performance, data presence, compliance and demonstrating success
- Each element has 2-3 measures that are weighted to take project size and scope into account to a create a level scoring system
- 'EPC style' certificate ranking from A –
 G
- Power BI model allows ease of analysis by all

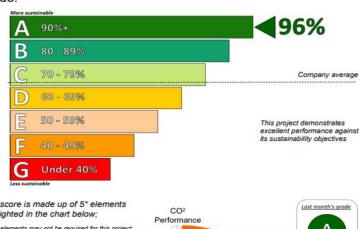
BAM Sustainability Index

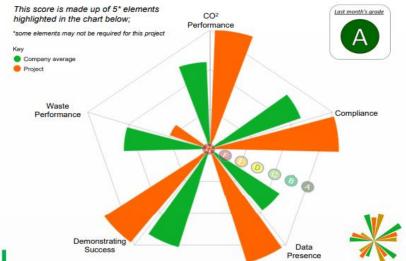


Project: Thames Tideway Western Main Works

Period: January 2021

Grade:











"BAM Sustainability Index allows us to measure how what we do impacts our footprint and enables us to compare our performance between projects and across Divisions. It's getting attention from outside our organisation and on our journey to net zero carbon it's a great tool for us to use."

Mike O'Neill, Divisional Manager, BAM Nuttall

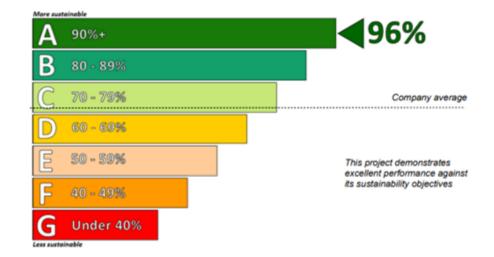
"BAM Sustainability Index has been helpful for us to understand how our project is performing. It clearly shows if we are above or below where we need to be and the areas we need to focus on to improve our performance. Sustainability certificates displayed on our notice boards for everyone to see have triggered some good conversations around what the scores mean and how they can be improved, especially in relation to carbon which is an important focus on this project".

Richard Kent, Site Agent, BAM Nuttall - Leeds Flood Alleviation Scheme

"Some great data here – well done to Swanley Station! and the other contracts giving this area strong attention.

Let's all, please, do all we can to increase adoption and use of this great tool."

Ian Parish, Managing Director, BAM Nuttall, commenting on the increase in performance at Swanley Station from grade D to A across the reporting period.



Leadership







How Does This Help?

Governance

- Structured approach that is clear & reliable
- Related to Operation Plan
- Scenario Modelling

Project Portfolio Management

Visibility

- Projects, Programmes,
 Portfolios assessment
- Provides Plans for continual progression
- Communicates
 Operational Plan

Control

- Objective assessment of strengths & weaknesses
- Focus on organisations maturity

Efficiency

- Reducing costs & increasing benefits delivery
- Identifies future investment needs





Performance Framework Workshops











Performance Framework Outputs

BAM Nuttall Perform	mance Framework								
Performance Indicator	Predictability Ratio								
Outcome	Predictable Peformance								
Scope and Methodology	This metric will aim to demonstrate whether schemes in c performance (or cost) baseline, and whether key points in timescales.		BAM Nuttall Perfor	mance Framewor	k				
			Performance Indicator Progress to Handover						
	The principal data is produced by the supplier and project scope covers all costs (excluding programme risk, lands a		Outcome	Predictable Peformance					
	It covers performance throughout stages 5-8. A change c		Scope and Methodology	This metric will identify progress against the baseline Master Information Delivery Plan (MIDP).					
	The intention of this metric is to measure the ability to deliv ability to maintain a cost and schedule ratio of 1.00 and the the metric. The variance for SPI and CPI ratio is achieved when they a measured against the percentage tolerances within the sc by rewarding the right behaviours. Calculation 1: Predictability ratio = SPI x CPI Calculation 2: Average Predictability for the Quarter = Rati			Progress will be measured against the acc. planned completed dates up to the reporting months end.					
				The intention of this metric is to measure progress towards the project deliverables indentified within the MIDP.					
				Projects within the BAM stage gates 5-8 will be measured on this metric.					
				Calculation: Sum of actual completion dates within MIDP to end of reporting month Sum of planned completion dates within MIDP to end of reporting month					
			Data Source	Master Information Delivery Plan. No return = a score of 1					
			Measurement frequency Data submitted monthly, scored quarterly.						
			•	•					
Data Source	Data is entered by the project into a Cost Management sys used to provide a critical ratio relative to predictability. No			Metric		Scoring Guidance	Score	Assessed Score	
Measurement frequency	Data submitted monthly, scored quarterly.					No MIDP or Planned Percentage Complete <50%	1		
						Planned Percentage Complete ≥50% to <75%	2		
	Metric					Planned Percentage Complete 75% to <85%	3		
						Planned Percentage Complete 85% to 95%	4		
						Planned Percentage Complete >95%	5		
			10% of 1 either above or below	2					
			bility is ≤5% of 1 either above or below 3						
	——————————————————————————————————————	Predictability is ≤2% of 1 either above or below							
	1	Predictability is 0% within 1							



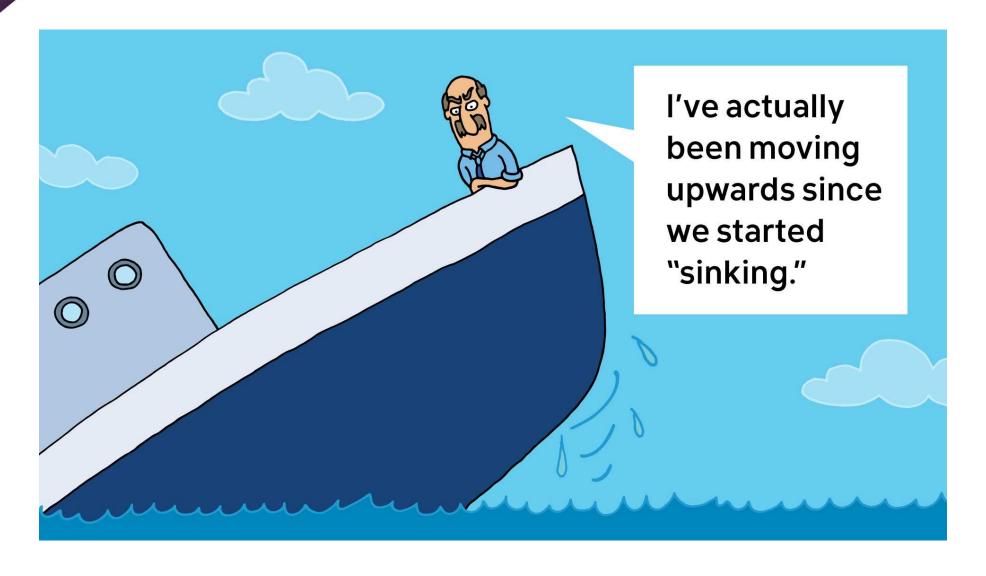


Project Controls at Portfolio Level













THANK YOU



