### 4-6 October, Nationals Park, Washington DC



Earned Value at the MOD

John Lister, Projects Director at RPC UK Ltd

# as In Dick



# John Lister







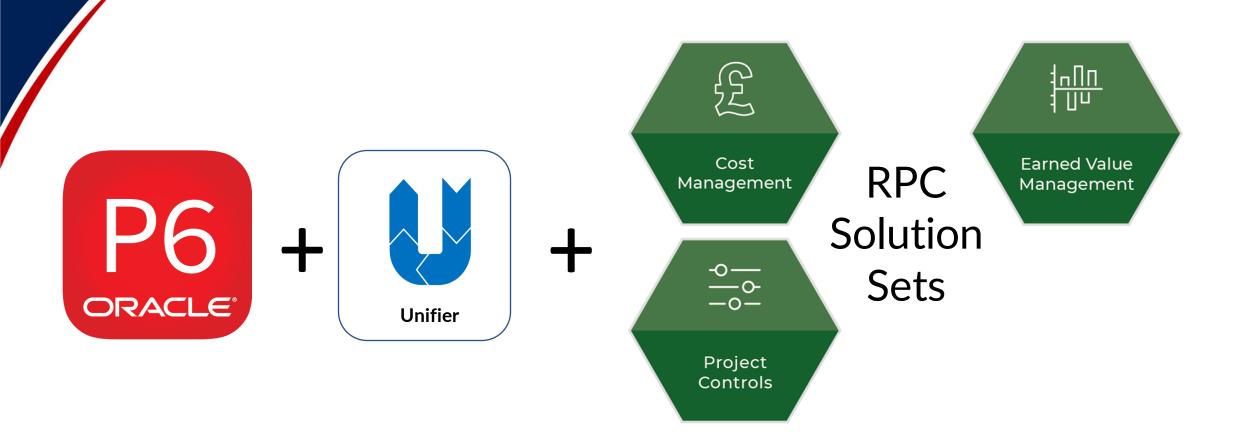
# UK MoD case study

£10 (£Bn) ANNUAL BUDGET 11,500 150
DE&S STAFF DE&S SITES



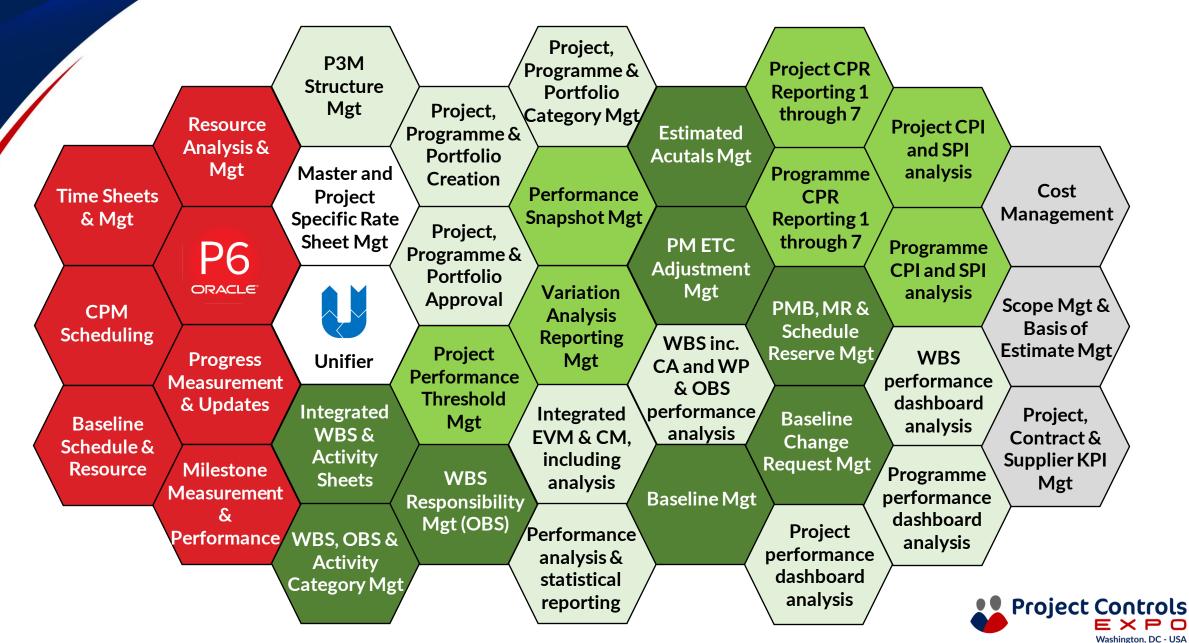


# How did we get there





### Solution so far



# UK MoD case study

	2021	2022	2023
Discovery			
Rapid Prototype			
Earned Value Management			
Cost Management			
Project History and In Year Performance Management			
Project Management Capability Enhancements			
Solution Integration			



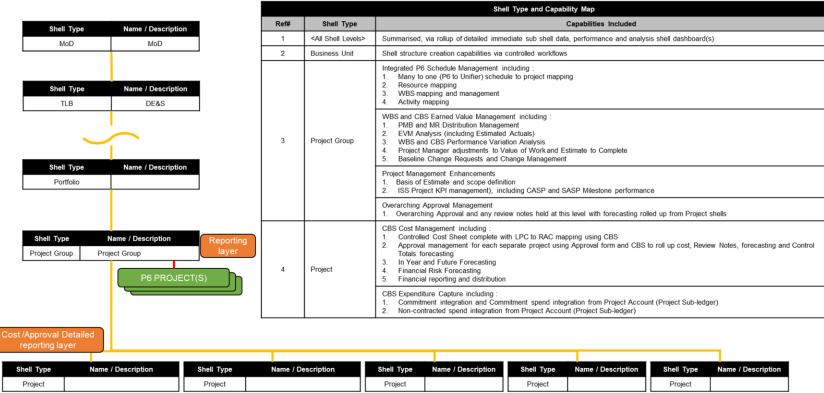
#### Accommodating Multi Functional, Level and **Services Projects** Basic Acquisition Project MoD Shell Type and Capability Map Shell Type Name / Description Shell Type Capabilities Included MoD <All Shell Levels> Summarised, via rollup of detailed immediate sub shell data, performance and analysis shell dashboard(s) 2 **Business Unit** Shell structure creation capabilities via controlled workflows Integrated P6 Schedule Management including 1. Many to one (P6 to Unifier) schedule to project mapping Name / Description 2. Resource mapping 3. WBS mapping and management DE&S TLB Activity mapping **Business Unit** WBS and CBS Earned Value Management including 1. PMB and MR Distribution Management 2. EVM Analysis (including Estimated Actuals) 3. WBS and CBS Performance Variation Analysis 4. Project Manager adjustments to Value of Work and Estimate to Complete Baseline Change Requests and Change Management Shell Type Name / Description **Business Group** CBS Cost Management including Portfolio EPP Portfolio Project 1. Controlled Cost Sheet complete with LPC to RAC mapping using CBS 2. Approval management for each separate project using Approval form and CBS to roll up cost, Review Notes, forecasting and Control 3. In Year and Future Forecasting Financial Risk Forecasting **Delivery Group** 5. Financial reporting and distribution Shell Type Name / Description CBS Expenditure Capture including: Project Group EPP Project Group 1. Commitment integration and Commitment spend integration from Project Account (Project Sub-ledger) 2. Non-contracted spend integration from Project Account (Project Sub-ledger) Project Management Enhancements Portfolio 1. Basis of Estimate and scope definition 2. ISS Project KPI management), including CASP and SASP Milestone performance **Project Group** Shell Type Name / Description Name / Description Shell Type Name / Description Phase 2 Project A Phase 1 Project A Project Project Future Phase P6 PROJECT(S) P6 PROJECT(S) **Project**



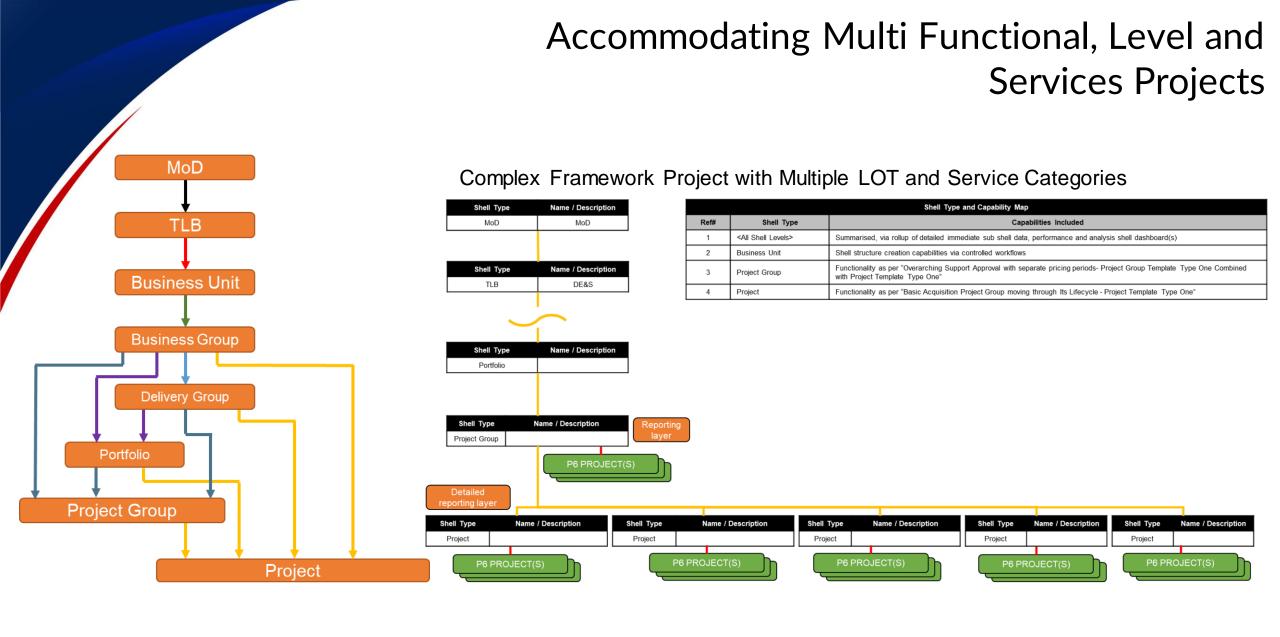
# MoD **Business Unit** Business Group **Delivery Group** Portfolio **Project Group Project**

# Accommodating Multi Functional, Level and Services Projects

Overarching Support Approval with separate pricing periods- Project









# **EVM System Capabilities**



Activity Manager

**OBS Sheet** 

**WBS Sheet** 

Rate Sheet

**Activity Sheet** 

Cost Manager

Cost Sheet

Cash Flow

Earned Value Manager

Earned Value Analysis

Earned Value Analysis Report

Earned Value BP's

Baseline PMB, MR and SR Definition

**Baseline Change Request** 

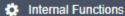
**ACWP** 

PM ETC Adjustment Requests

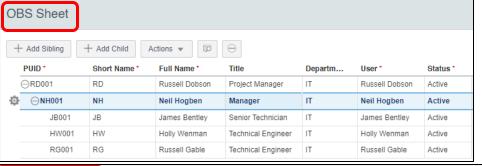
PM ETC Adjustment

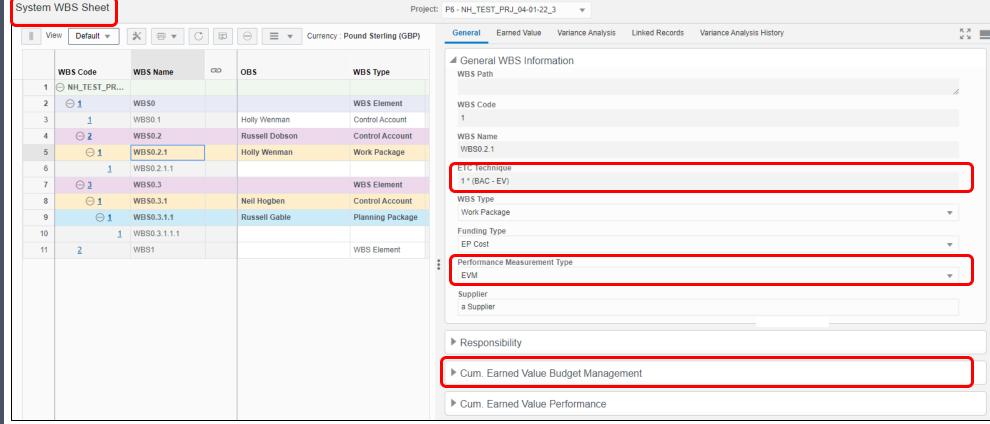
Performance Snapshot

Variance Analysis Report

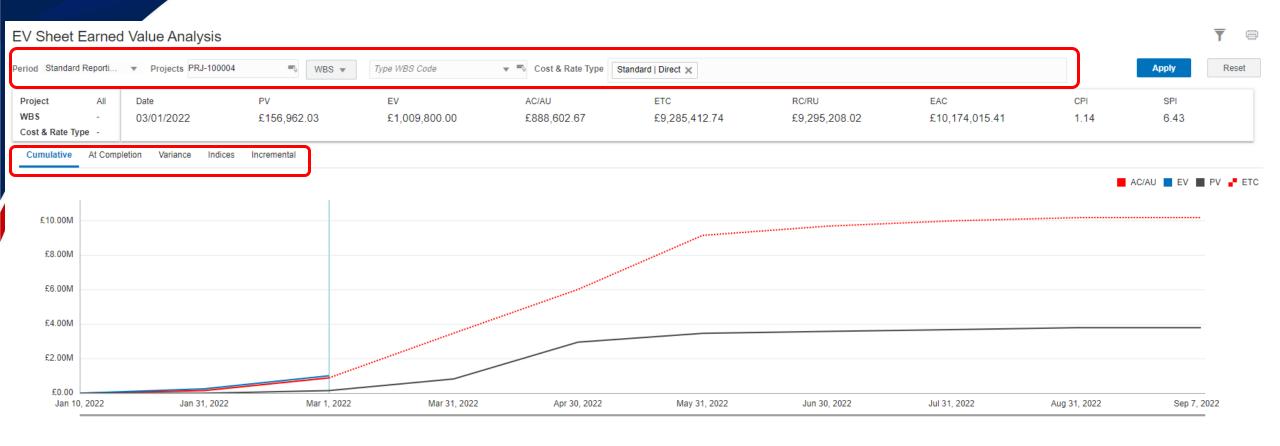


Reports





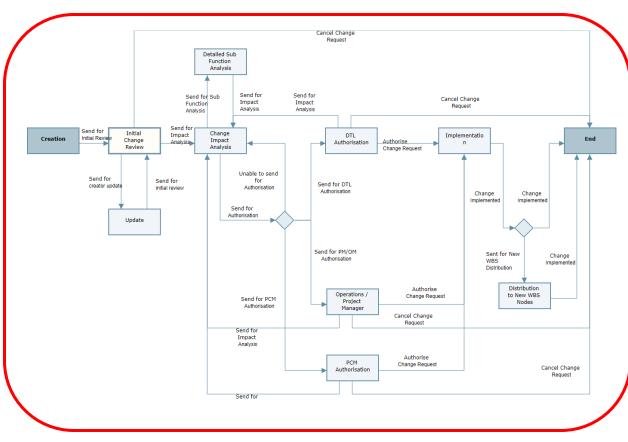




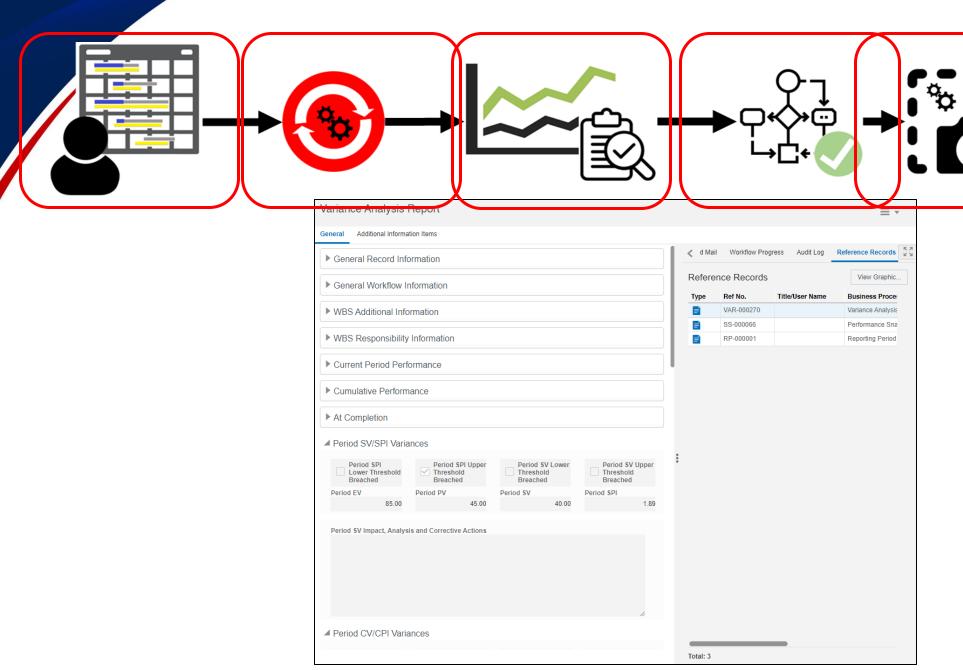
Cumulative Values and Indices														<b></b>	K X K X
Name	BAC	EAC	PV	EV	AC/AU	ETC	RC/RU	CV	sv	VAC	CPI	SPI	CSI	TCPI(EAC)	TCPI(BAC)
Overall Summary	£3,800,000.00	£10,183,810.69	£156,962.03	£1,009,800.00	£888,602.67	£9,295,208.02	£9,295,208.02	£121,197.33	£852,837.97	(£6,383,810.69)	1.14	6.43	7.31	0.3	0.96
A PRJ-100004 MID INCR Data Verific	£3,800,000.00	£10,183,810.69	£156,962.03	£1,009,800.00	£888,602.67	£9,295,208.02	£9,295,208.02	£121,197.33	£852,837.97	(£6,383,810.69)	1.14	6.43	7.31	0.3	0.96



#### Baseline Change Request Impacted WBS Nodes Risks and Issues Key Milestones Assumptions Associated Projects Associated Project Groups ▶ General Record Information ▶ General Workflow Information ▶ General Information Post ▲ Initial Impact Assessment Posted by: Show All Scope Company MoD08/23/2022 04:47 Schedule Administrator Impact assessment has been made during review period is incomplete and requires further action Cost before proceeding Related Risk Management Reserve Schedule Reserve Admin Change Description Indicative Cost Change £0.00 Indicative Schedule Change (days) Mandatory Requirement Description of Change

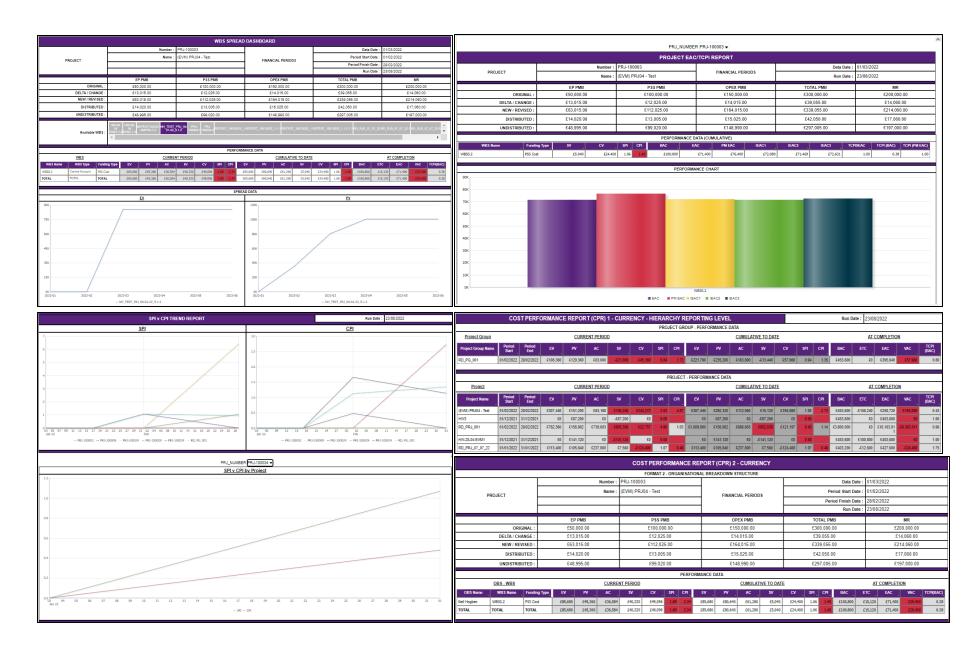


Date 🕌	Event	Action	Field	Old Value	Audit Details		
08/23/2022 04:47 AM	General Comments	Text comments:Impact as			Date		Field
01/05/2022 08:05 AM	Auto Creation of "BCR SR B	The Auto Creation conditi	BCR SR Budget		08/23/2022 04:47 AM	њ	
01/05/2022 08:05 AM	Auto Creation of "BCR PMB	The Auto Creation conditi	BCR PMB and M		Project Name		Old Value
01/05/2022 08:05 AM	Auto Creation of "BCR DB an	The Auto Creation conditi	BCR DB and UB			//	
01/05/2022 08:05 AM	Workflow>Creation	Send for Initial Review	Send to		Event	//	New Value
					General Comments		
						11	
					Action		User Name
					Text comments:Impact assessment has been made during review peri;		Company Administ
						11	
					Attachment		Proxy User

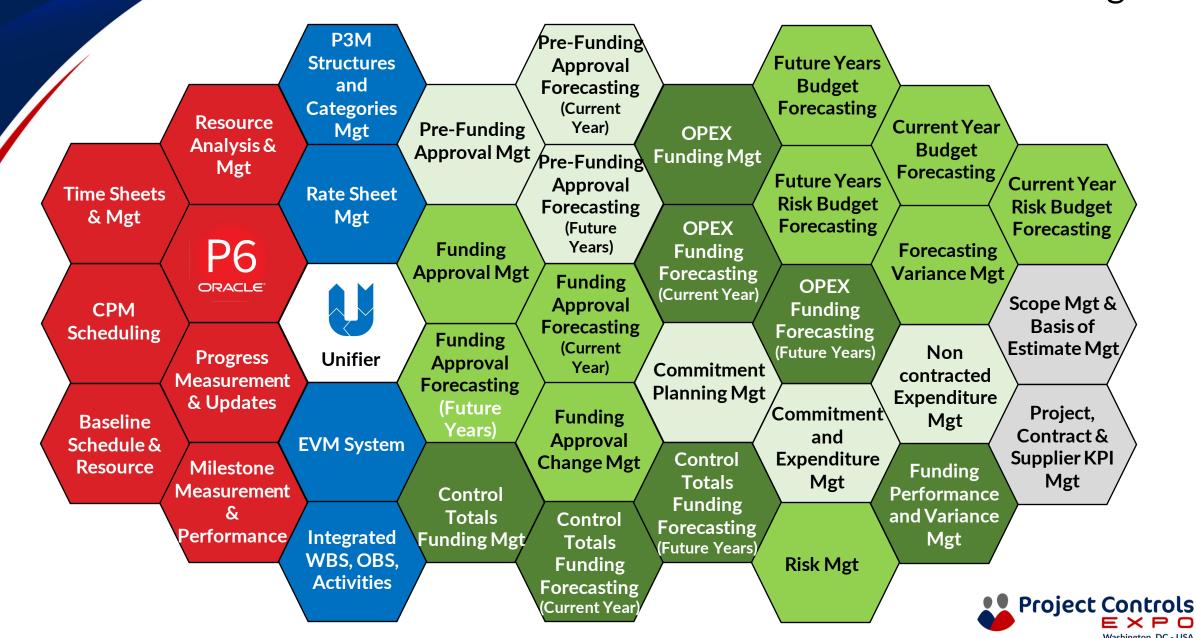


# **EVM System**Reporting Capabilities

- M Bullseye CPI and SPI Chart
- D CPI Top 3 Projects Report
- CPR 1 Currency Report
- CPR 1 Units Report
- CPR 2 Currency Report
- CPR 2 Units Report
- CPR 3 Currency Report
- CPR 4 Units Report
- CPR 5 VAR Report
- CPR 7 Currency Report
- K EVM Performance Dashboard
- ∇AC Top 3 Projects Report

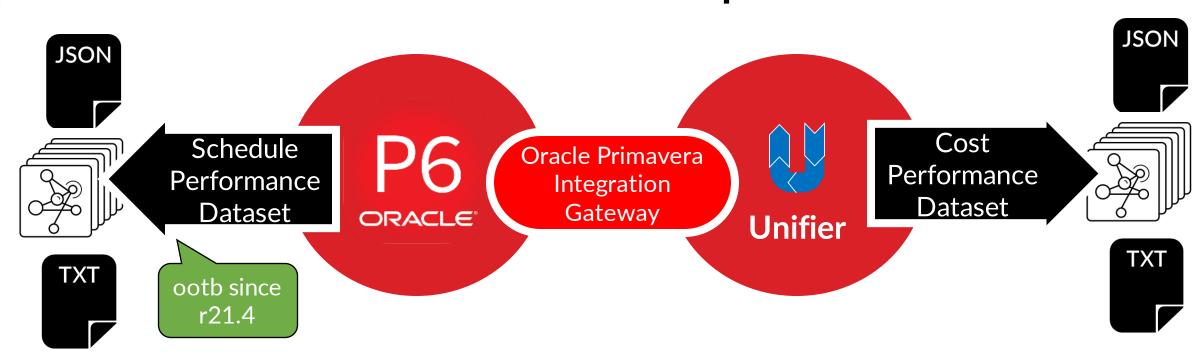


# Soon to go live



## Possible further enhancements

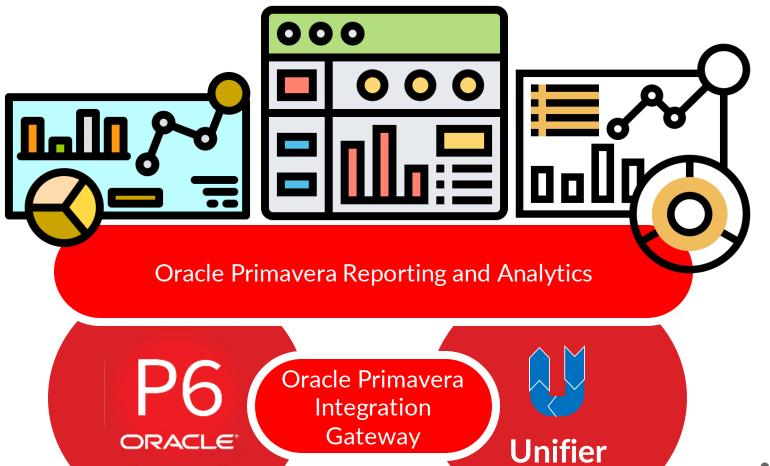
# **IPMDAR Adoption**





## Possible further enhancements

# DCMA EVMS Compliance Metrics





# S I D Cuk

**THANK YOU** 

