



Project Controls
E X P O

Project Controls Expo – 17th Nov 2017
Emirates Stadium, London

A Source for Project Cost Integration

About the Speakers

Marie Trembacki

Faithful+Gould PPMC Service Lead, UK

- Is an experienced implementer of PPM process improvement (people, process, technology)
- Focuses on managing change successfully
- Has 5 weeks to go 😊

Dave Hurren

RPCuk Technical Services Director

- Is a Certified Oracle Primavera P6 EPPM Implementation Specialist
- Is a Certified Oracle Primavera Unifier Implementation Specialist
- Looks a bit like a famous wizard 😊

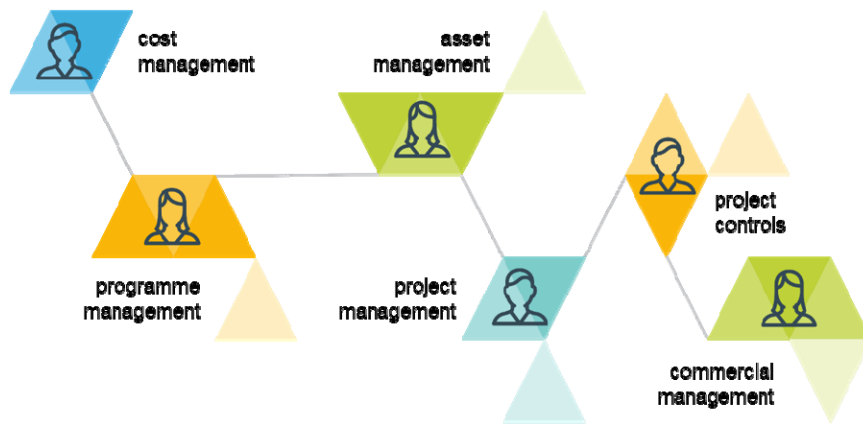
About the Topic

Topic Outline

- Case study for leading academic institution in the UK
- Solution has been designed and a Proof Of Concept delivered
- Facilitating...
 - The delivery of integrated services
 - Project Controls, Portfolio Management and Cost Integration
 - Wider access and exposure to critical information
 - The bringing together data from multiple systems, managing budget, expenditure, resources and schedule
- Providing visibility of the project, from funding and budget to expenditure, cost of change and forecasts.

About Faithful and Gould

A world-leading integrated project and programme management consultancy



Over 2,400 passionate and experienced professionals



Turnover in excess of £280m



International network of offices worldwide



Enabling our teams to share knowledge & experience to serve our global clients

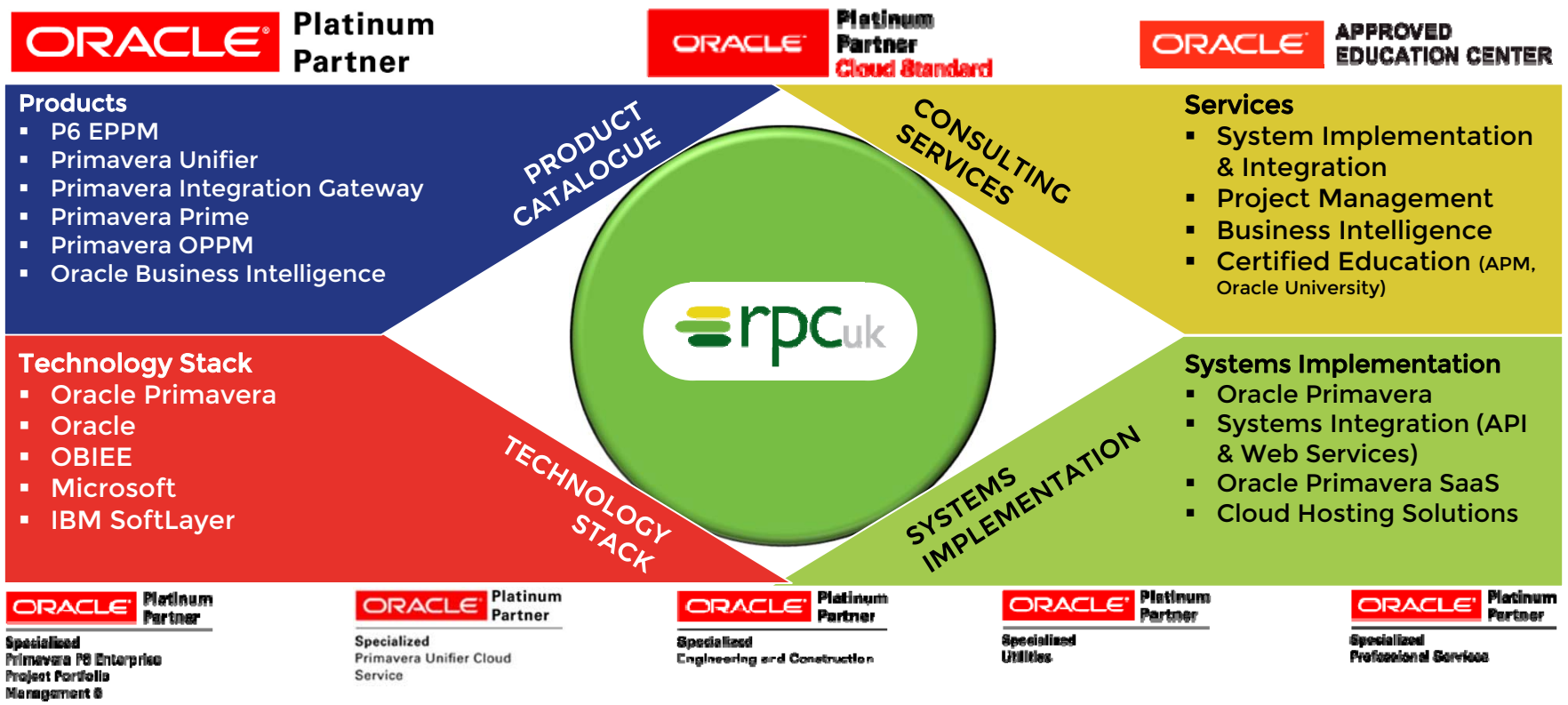


Member of the Atkins group since 1996



With a turnover of £1.9bn and 18,000 employees around the world

About RPCuk



Our Partnership



Specialist
in Primavera
products

World Class
service offerings

+

Best in Class
technology +
solutions

=

Best possible
Solutions
for our Clients



applying our
CONSTRUCTIVE
EXPERTISE
when implementing
Primavera solutions

World-leading
integrated project
and programme
management
consultancy

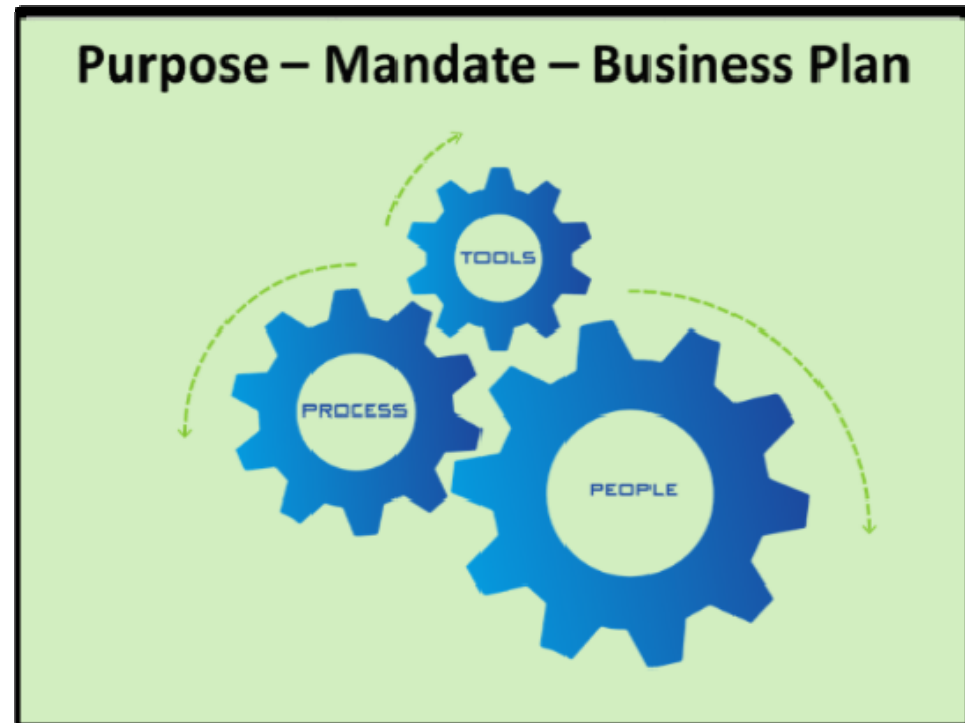


Project Controls
EXPO

Case Study

Approach

1. Assessment of current state: capital/ business plan and current ways of working.
2. Identification of gaps between 'current' and desired 'future' state.
3. Produce outline business case or scoping study, with roadmap, timescales, costs, resource needs.

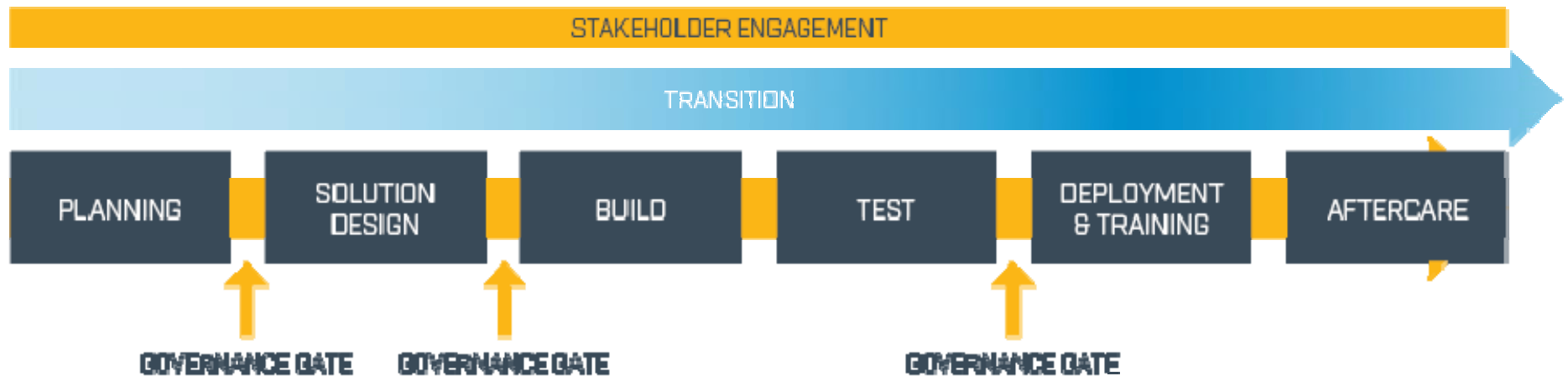


Case Study

Approach

Our deployment strategy focuses on structure, stakeholder engagement and governance in order to effectively manage change.

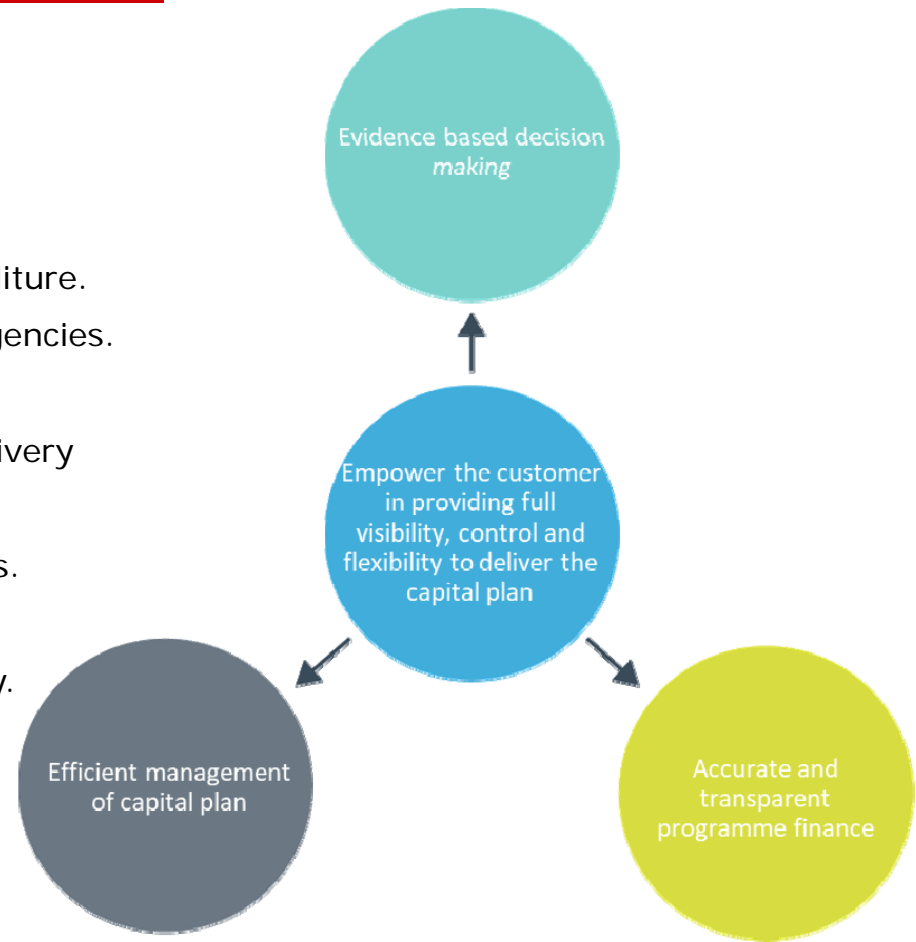
Our stage gate process is closely aligned with industry standards (i.e. ITIL).



Case Study

Aims

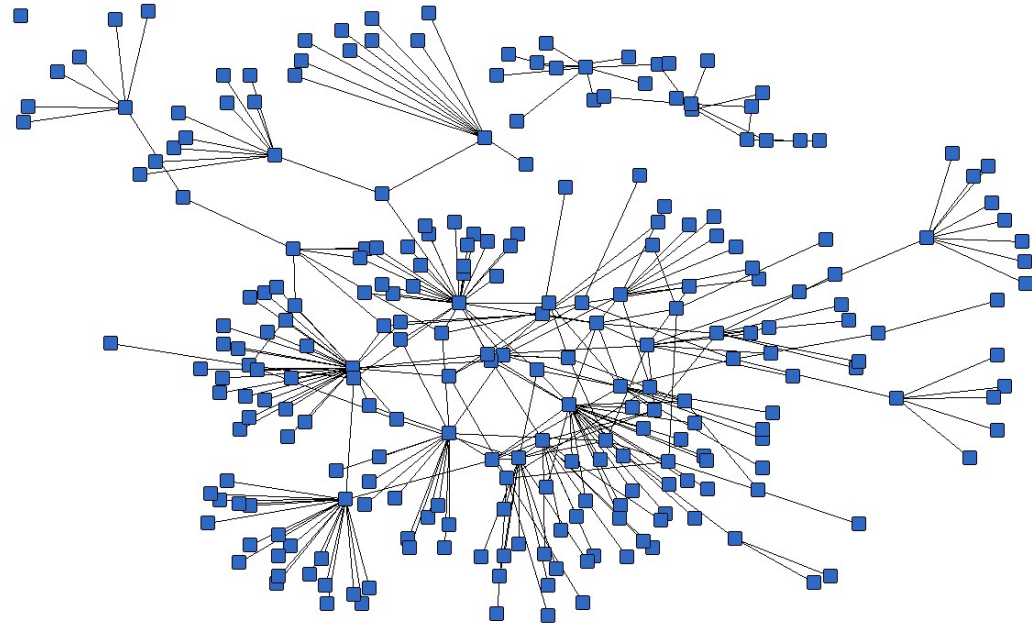
- ✓ Single source of the truth across all projects.
- ✓ Visibility of progress against programme and expenditure.
- ✓ Improved management of risk and time/cost contingencies.
- ✓ Closer control over annual capital expenditure.
- ✓ Effective scenario planning at capital planning or delivery stages.
- ✓ Significant reduction in time spent to compile reports.
- ✓ Audit trail of activity of each user of the system.
- ✓ Enhanced governance through workflow functionality.



Case Study

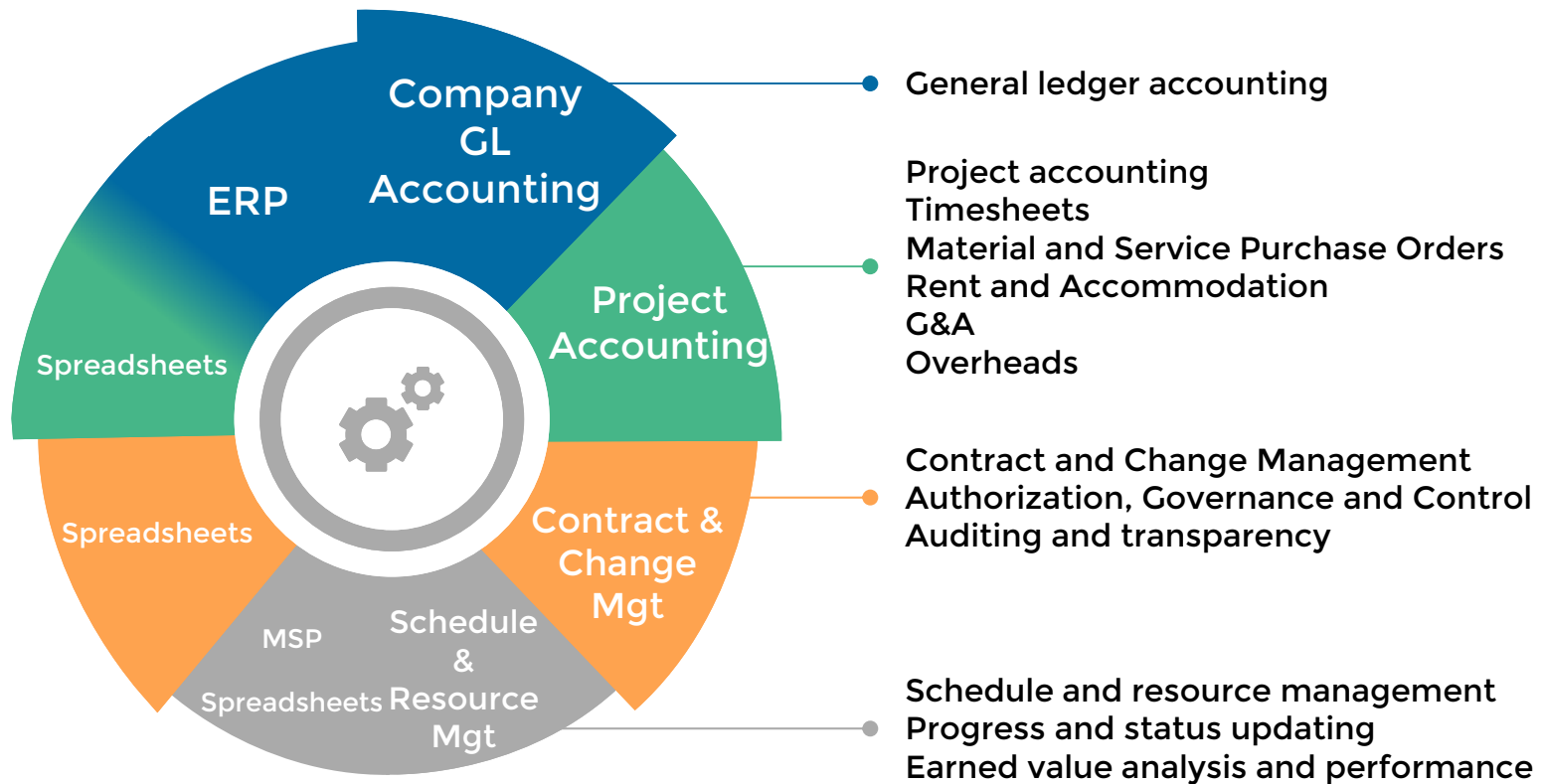
Current State

- Large number of projects.
- Linked into discrete programmes.
- Interdependencies.
- Managed separately
- Disparate processes and systems.



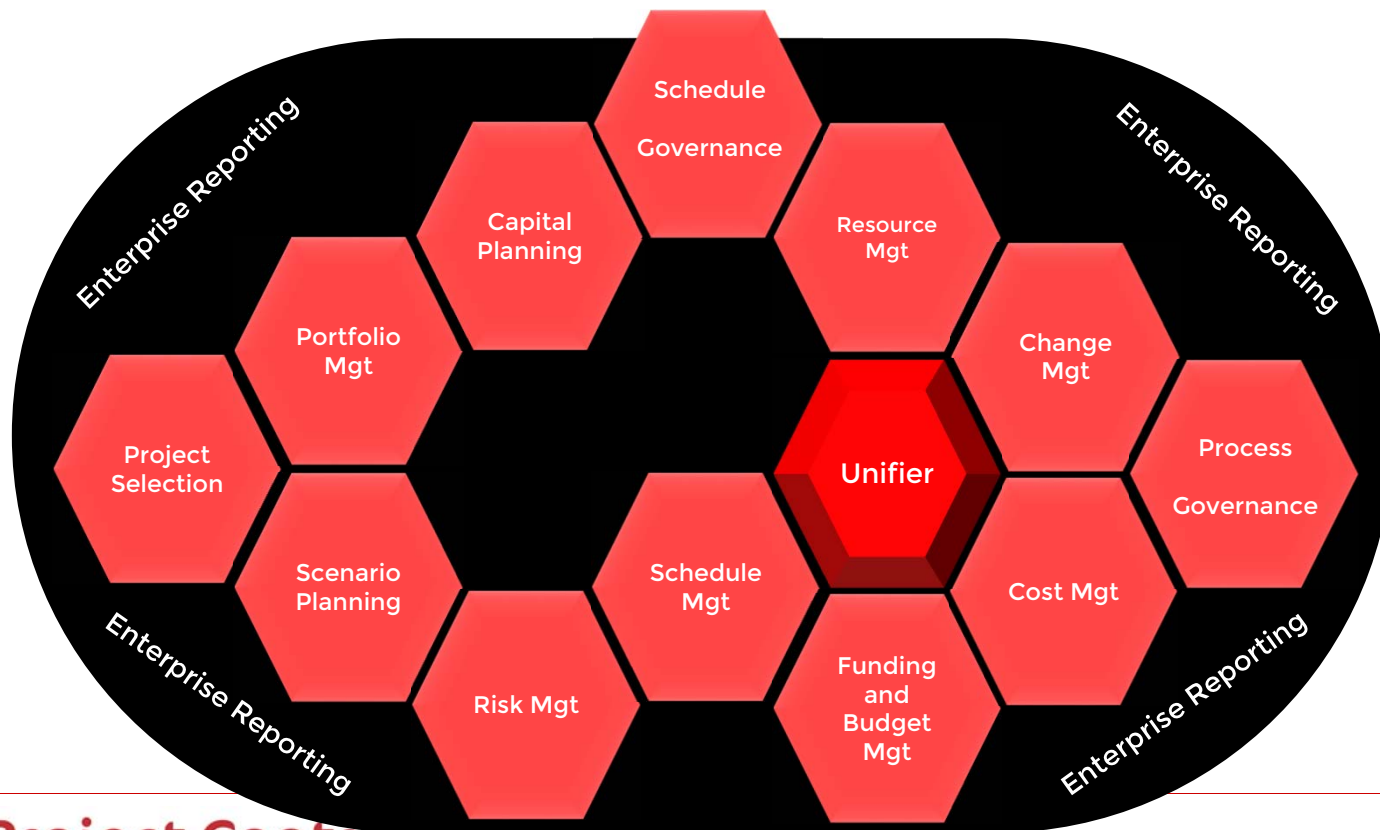
Case Study

Current State



Case Study

Implementation of Oracle Primavera Unifier, why?



Case Study

Combat the spreadsheet with intelligent project costing...

The screenshot displays a web-based interface for budget approval. It features several overlapping windows:

- Cell Detail - Approved Budget:** Shows fields for WBS Code (02), WBS Item (Project Execution Management), Status (Open), and Column Name (Approved Budget).
- Line Item - Mozilla Firefox:** A form for editing a budget approval line item. It includes sections for General (CBS Code: 02, Code Name: Project Execution Management, Short Description: Contract management services) and Budget Details (Spend Category, Work Package, Item Quantity: 93, Unit of Measure, Item Unit Cost: £940.47, Amount: £87,464.00).
- Budget Approval:** A summary page showing metadata (Creator: QOTB Admin, Creation Date: 03/03/2017 06:56 AM, Due Date: 03/10/2017 06:55 AM) and a table of line items.

Short Description	Amount
Contract management services	£87,464.00
Project supervision	£78,452.00
PMO Services	£947,204.00
Quality control services	£83,510.00
Project management services	£62,841.00
Total Amount:	£4,426,706.75

Hand-drawn mouse cursor icons are overlaid on the interface, pointing to the 'Approved Budget' field in the Cell Detail window, the 'Contract management services' line item in the Budget Approval table, and the 'Item Unit Cost' field in the Line Item form.

Case Study

Combat the spreadsheet with auditable processes...

The image displays a screenshot of a budget approval workflow system. On the left, a 'Project Cost Sheet : 002698' is visible. The main window shows a 'Budget Approval - Quarter 1 Budget Request - Initial Request - Project No. 002698' record. The workflow progress table is as follows:

Step Name	Assignee	Company	Status	Action	Completion Date
Creation	OOTB Admin	Demo Company	Completed	Send for Approval	03/03/2017 06:56 AM (UTC-8)
Approval	OOTB Admin	Demo Company	Completed	Approve Budget Approval	03/03/2017 07:50 AM (UTC-8)
Revision					
End					

Below the table is a workflow diagram showing the process flow: Creation (red box) leads to Approval (red box) via 'Send for Approval'. From Approval, the flow can go to End (red box) via 'Approve Budget Approval', back to Revision (blue box) via 'Send for Revision', or to End via 'Reject Budget Approval'. From Revision, the flow can go back to Approval via 'Resubmit for Approval' or to End via 'Cancel Budget Approval'.

Case Study

Combat the spreadsheet with data auditing...

Audit Log - Mozilla Firefox
dbapp-dl02:8300/bp/sys/auditlog/log/query?sourceId=24&sourceType=uba&record_no=BA-008&_uref=uuu810:navigator-1374

Audit Log for : BA-008

Audits - Current View: All
10 Item(s) Page 1 of 1

Date	Event	Action	Field	Old Value	New Value	User Name
03/03/2017 07:47 AM	Workflow>Creation	Send for Approval	Send to		Creator	OOTB Admin: Demo Company
05/25/2017 08:15 AM	Workflow>Approval	Send for Revision	Send to		OOTB Admin: company	OOTB Admin: Demo Company
05/25/2017 08:15 AM	Line Items: Modify LineItem	Modify	Item Quantity	1	1	OOTB Admin: Demo Company
05/25/2017 08:15 AM	Line Items: Modify LineItem	Modify	Spend Category		Materials	OOTB Admin: Demo Company
05/25/2017 08:15 AM	Line Items: Modify LineItem	Modify	Item Unit Cost	74,000.67	50,000.00	OOTB Admin: Demo Company
05/25/2017 08:15 AM	Line Items: Modify LineItem	Modify	Description		The system air units require a new v	OOTB Admin: Demo Company
05/25/2017 08:16 AM	Line Items: Modify LineItem	Modify	Item Quantity	1	1	OOTB Admin: Demo Company
05/25/2017 08:16 AM	Line Items: Modify LineItem	Modify	CBS Code	03	07	OOTB Admin: Demo Company
05/25/2017 08:16 AM	Line Items: Modify LineItem	Modify	Item Unit Cost	74,000.67	65,000.00	OOTB Admin: Demo Company
05/25/2017 08:16 AM	Workflow>Revision	Resubmit for Appro	Send to		OOTB Admin: company	OOTB Admin: Demo Company

Project Cost Sheet

Budget Approval - Quarter 1 Budget Request - Initial Request

Record Number: 1001
Title: Quarter 1 Budget Request - Initial Re
Project Name: Huntington Center for Core Scop

Record has been closed. (Click here to view process details)

Line Items
Current View: All
15 Item(s) Page 1 of 1

No.	Cost Code	Code Name	Short Description	Amount
007	02	Project Execution Management	Contract management	
006	02	Project Execution Management	Project supervision	£78,452.00
005	02	Project Execution Management	PMO Services	£947,204.00
004	02	Project Execution Management	Quality control services	£83,510.00
003	02	Project Execution Management	Project management services	£52,841.00

Total Amount: £4,426,706.75

Case Study

Combat the spreadsheet with intelligent links to key information...

The image displays two overlapping software windows. The foreground window is titled 'Compensation Event' and shows a form with the following fields:

- Title: Compensation Event
- Record Number: CE-00005
- Contract Ref: CON-0000

The background window is titled 'NEC3 Contract - Main Structure Buildout - Project No. BB001 - Mozilla Firefox' and shows a form with the following fields:

- Title: Main Structure Buildout
- Record Number: CON-00001
- Contractor: MBR Corp
- Employer: Millenium Corporation
- Contract Starting Date: 10/05/2015
- Works Finish Date: 10/03/2016
- Project Number: BB001
- Project Name: BB001-Big Building
- Original Contract Amount: £860,000.00
- CE Additions Total: £33,000.00

Below the contract details is a table with two columns: 'Early Warnings' and 'Revised Commitments'. The table contains the following data:

Early Warnings	Revised Commitments
£0.00	£520,000.00
£0.00	£320,000.00
£0.00	£200,000.00
£0.00	£187,500.00
£0.00	£0.00
£0.00	£0.00
£0.00	£27,500.00
£0.00	£160,000.00
£15,000.00	£1,310,000.00
£15,000.00	£850,000.00
£0.00	£80,000.00
£0.00	£400,000.00
£0.00	£0.00
£0.00	£250,000.00
£0.00	£15,000.00

Case Study

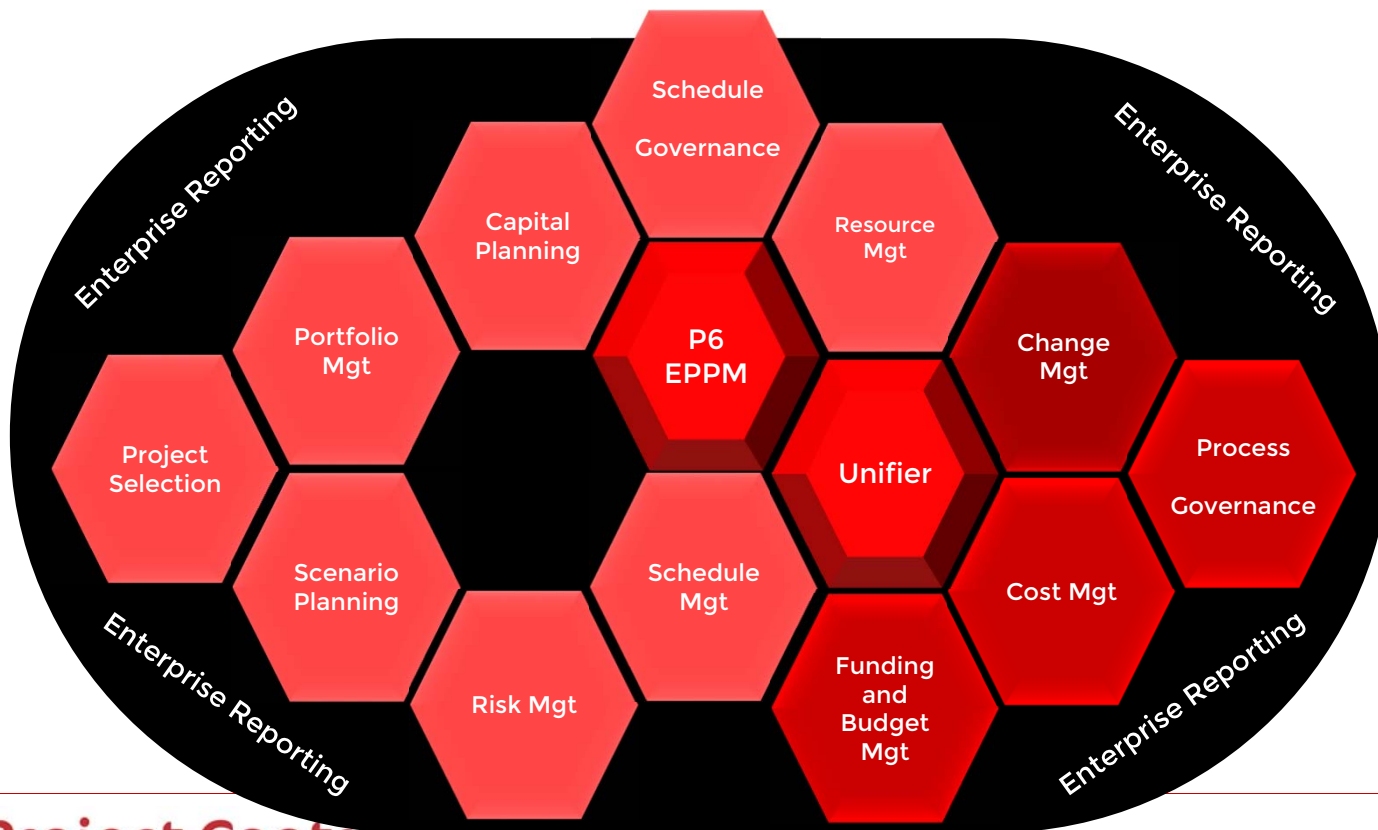
Combat the spreadsheet with user defined data values...

The image shows a spreadsheet with columns for WBS Code, WBS Item, Total Actuals, Accrual Adjustment, Accrual Import, and Total Accruals. A formula dialog box is open, showing the formula "Accrual Adjustment+Accrual Import". A data entry box is also present, containing the value "25000.00".

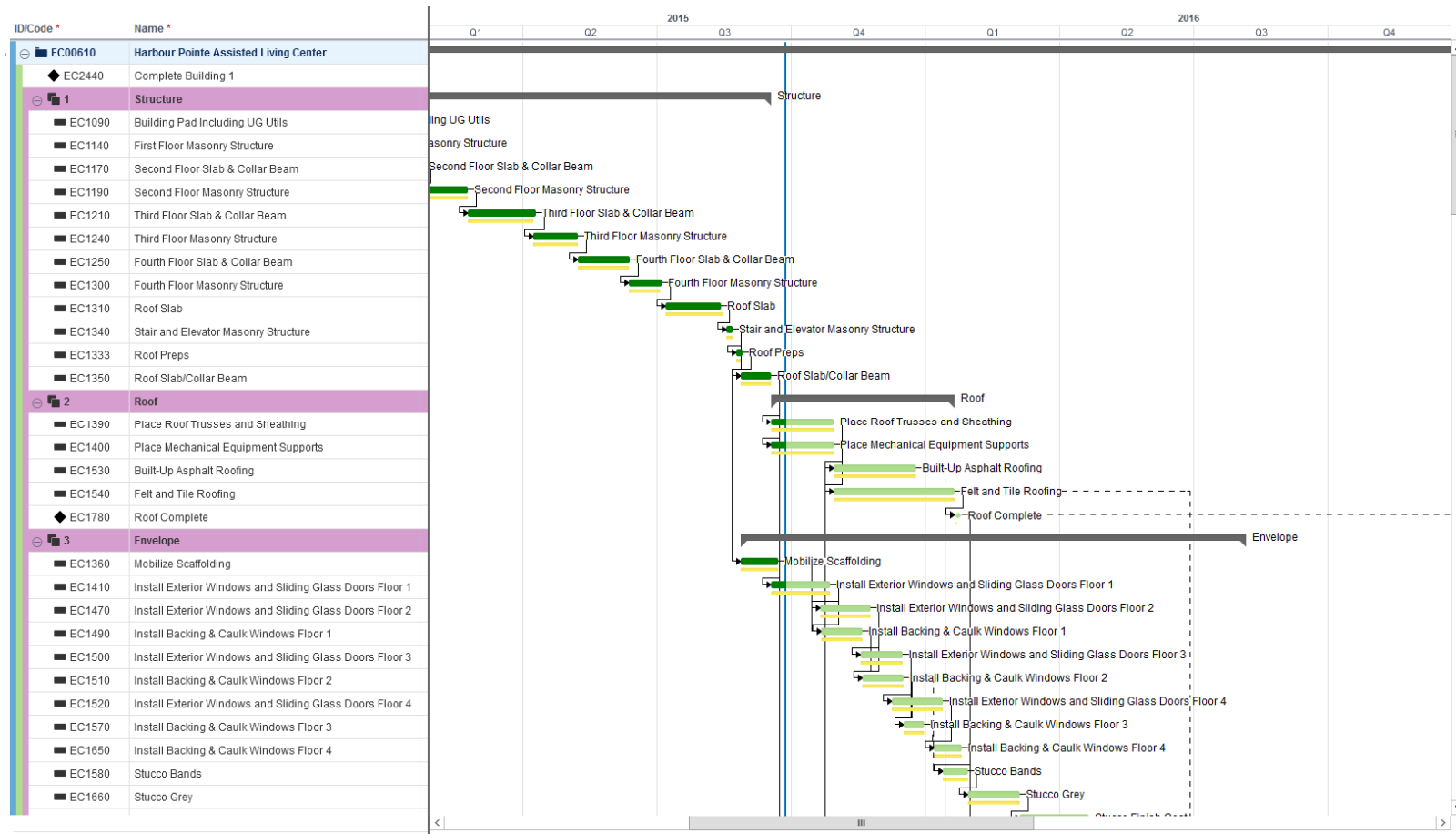
WBS Code	WBS Item	Total Actuals	Accrual Adjustment	Accrual Import	Total Accruals
1000	Design and Engineering	£339,550.00	£0.00	£3,155.00	£339,550.00
1100	Design Work	£215,750.00	£0.00	£3,155.00	£215,750.00
1200	Engineering	£123,800.00	£0.00	£0.00	£123,800.00
2000					
2100					
2200					
2300		£339,550.00	£0.00	£3,155.00	£339,550.00
2400		£215,750.00	£0.00	£3,155.00	£215,750.00
3000					
3100		£123,800.00	25000.00	£0.00	£148,800.00
3200		£0.00	£0.00	£0.00	£0.00
3300		£0.00	£0.00	£0.00	£0.00
3400		£0.00	£0.00	£0.00	£0.00
4000		£0.00	£0.00	£0.00	£0.00
5000		£0.00	£0.00	£0.00	£0.00

Case Study

Implementation of Oracle Primavera P6 EPPM, why?

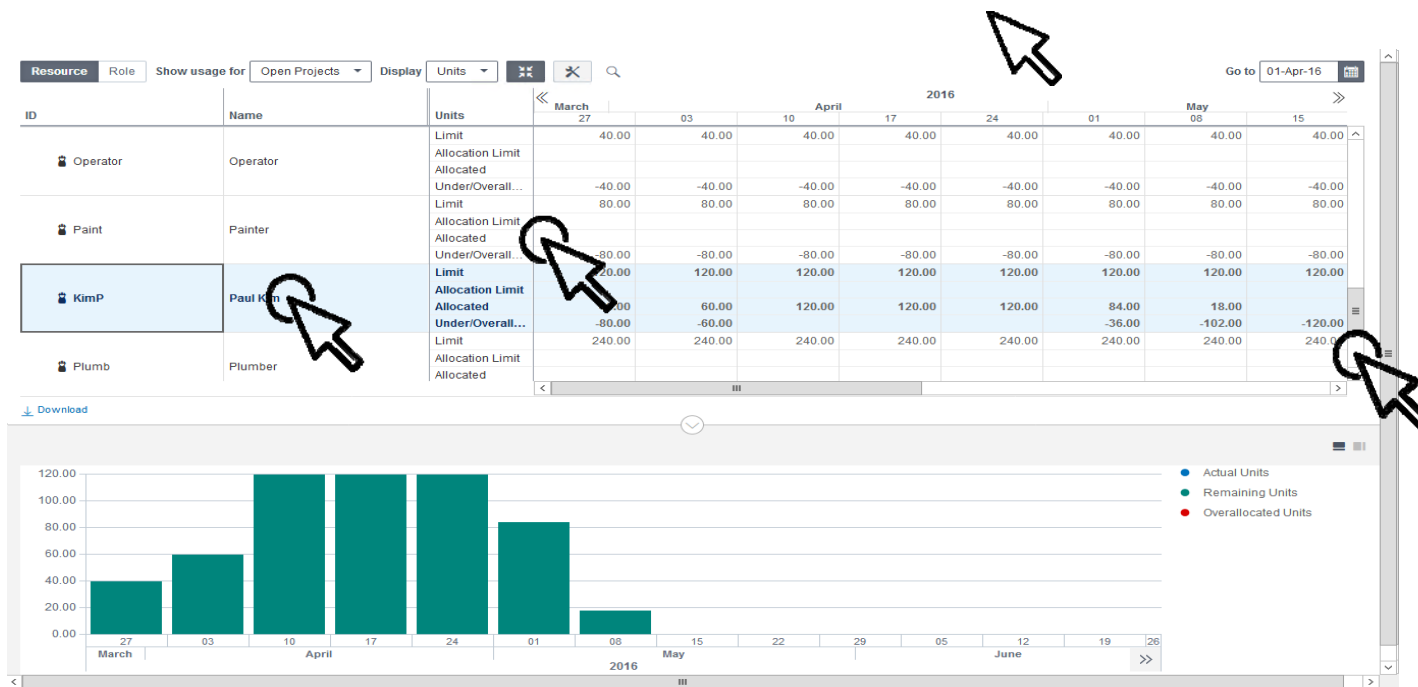


Case Study



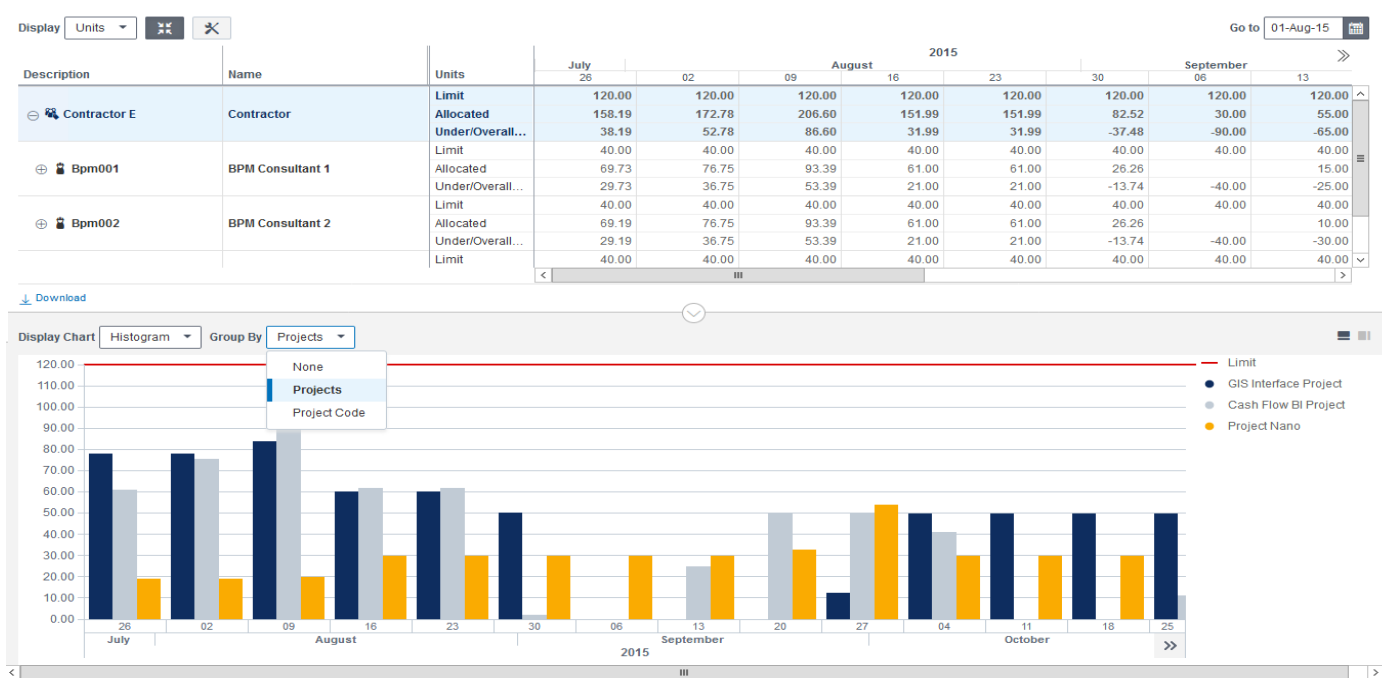
Case Study

Co-ordinating resource utilisation across the enterprise...



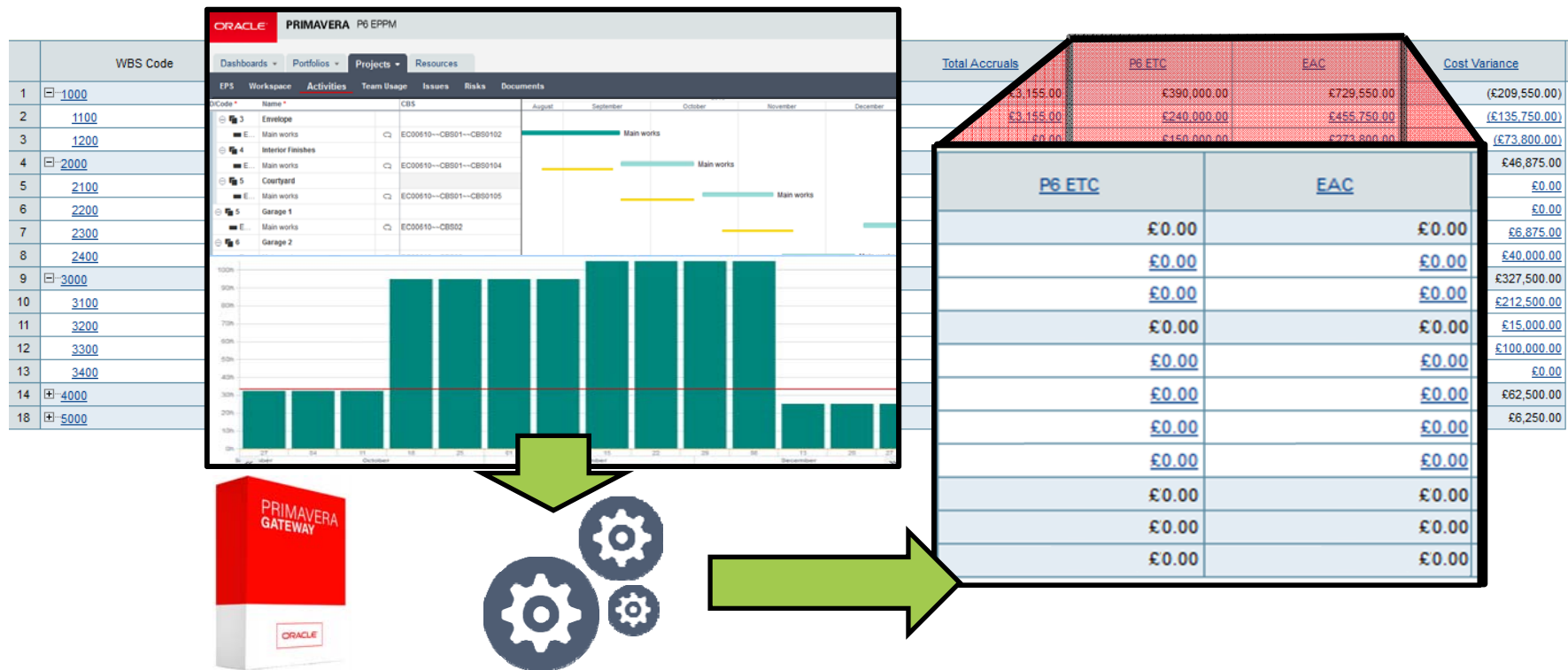
Case Study

Co-ordinating resource utilisation across the enterprise...



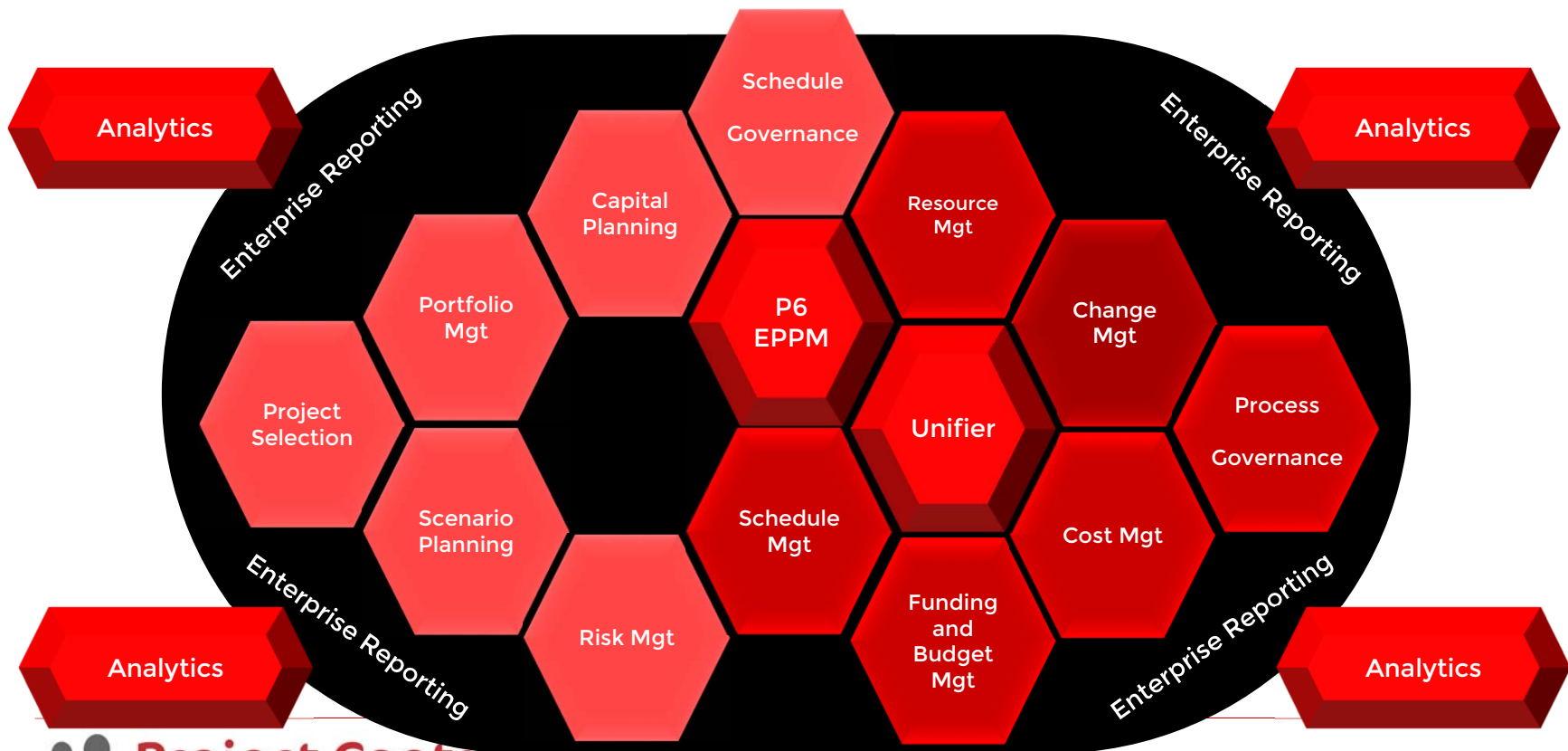
Case Study

Integrating the schedule and cost...



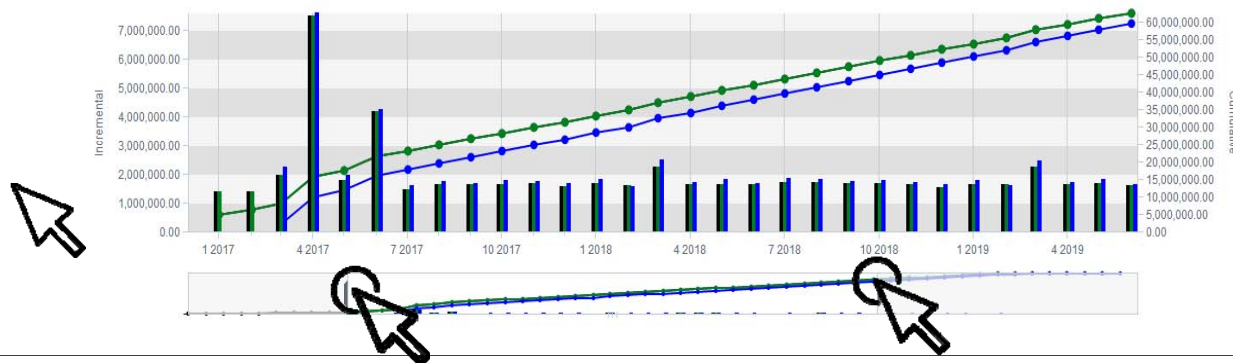
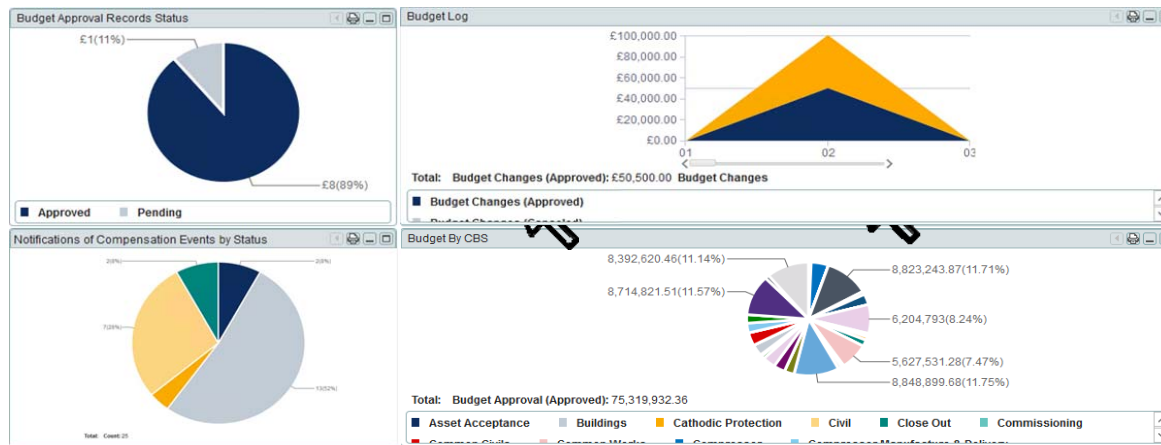
Case Study

Enterprise reporting with Primavera Analytics Cloud, how?



Case Study

Reporting, the reason we have data...



Case Study

Reporting, the reason we have data...

ORACLE PRIMAVERA Unifier (Development)

Alaska Universit... Company Grand Universit... Northern Europe Univers...

Reports

- User-Defined
- Audit
- BI Publisher Reports
- Ball in Court
- Cash Flow
- Contract Breakdown by Work Package
- Contract Summary With Actuals
- Daily Reports
- Incident Report
- Items Overdue
- Lessons Learned
- Monthly Updates
- Open Tasks
- Project Cost Report**
- Project Overview
- Purchase Order Summary with Actuals
- RFB Report
- Risks and Issues
- Schedule Report

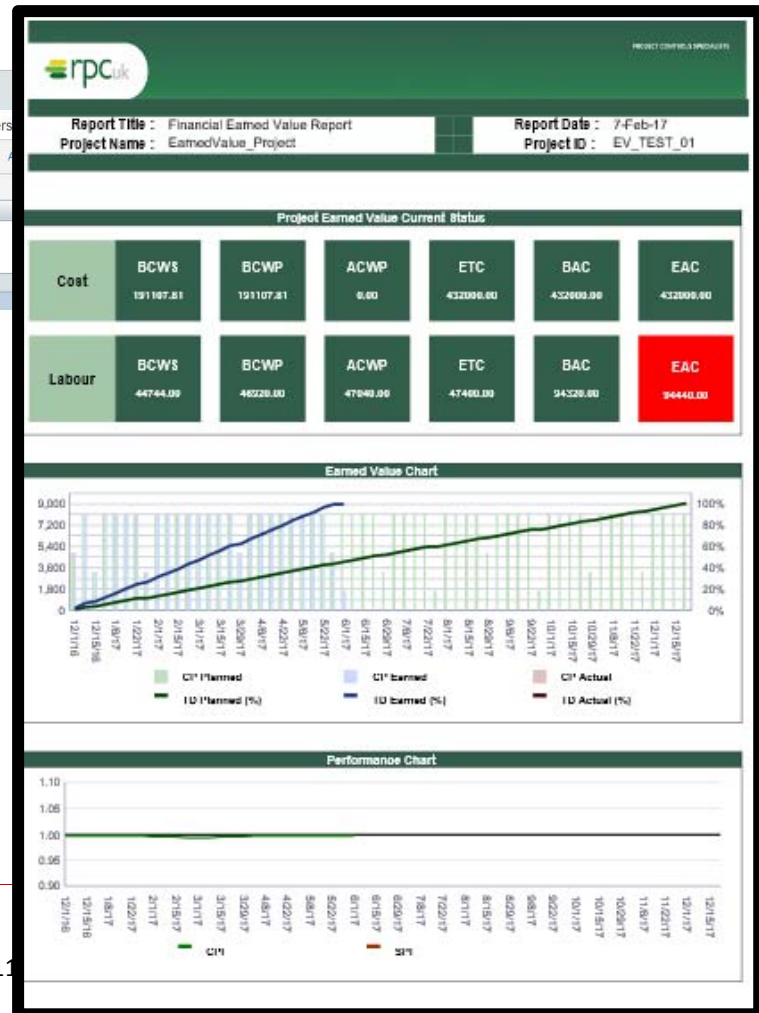
Millennium Corp... > North America > North America-W... > A

File Edit View Help

New Open Find

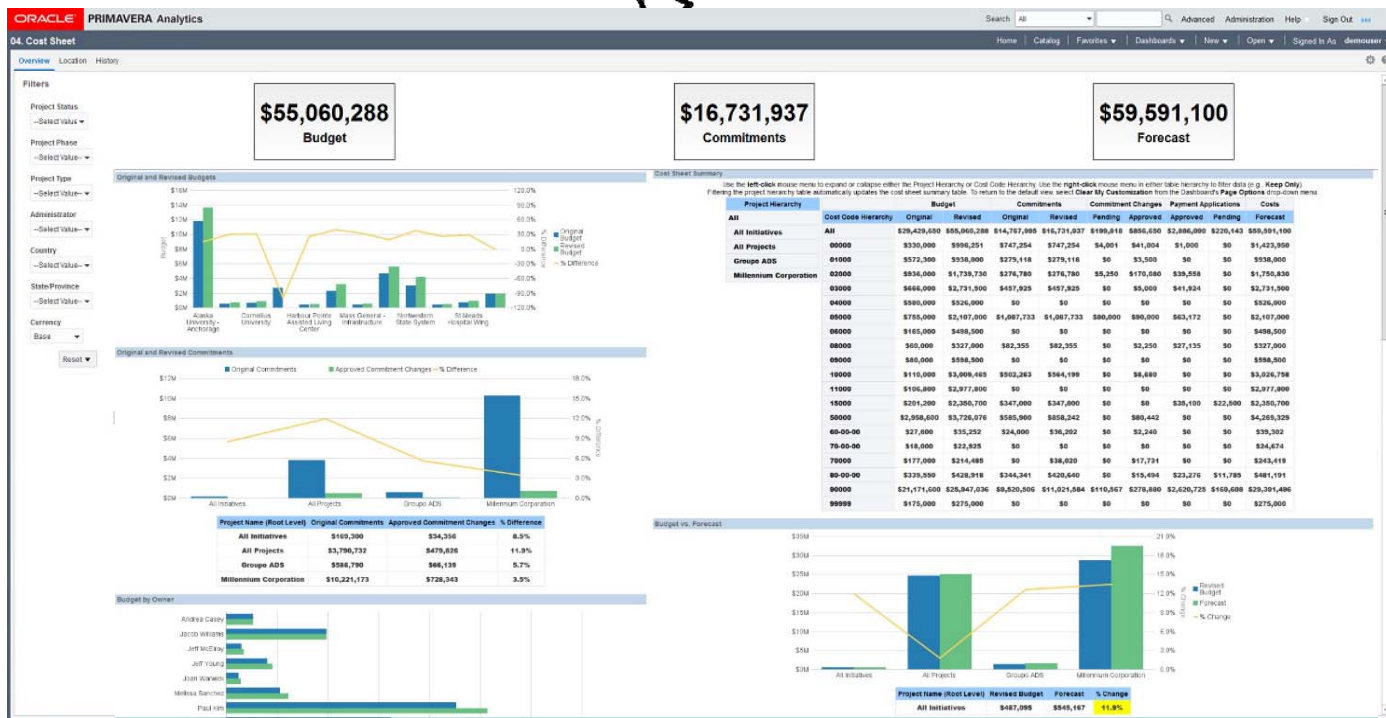
1 Item(s)

Name	ID
Project Cost Report	uuu_32



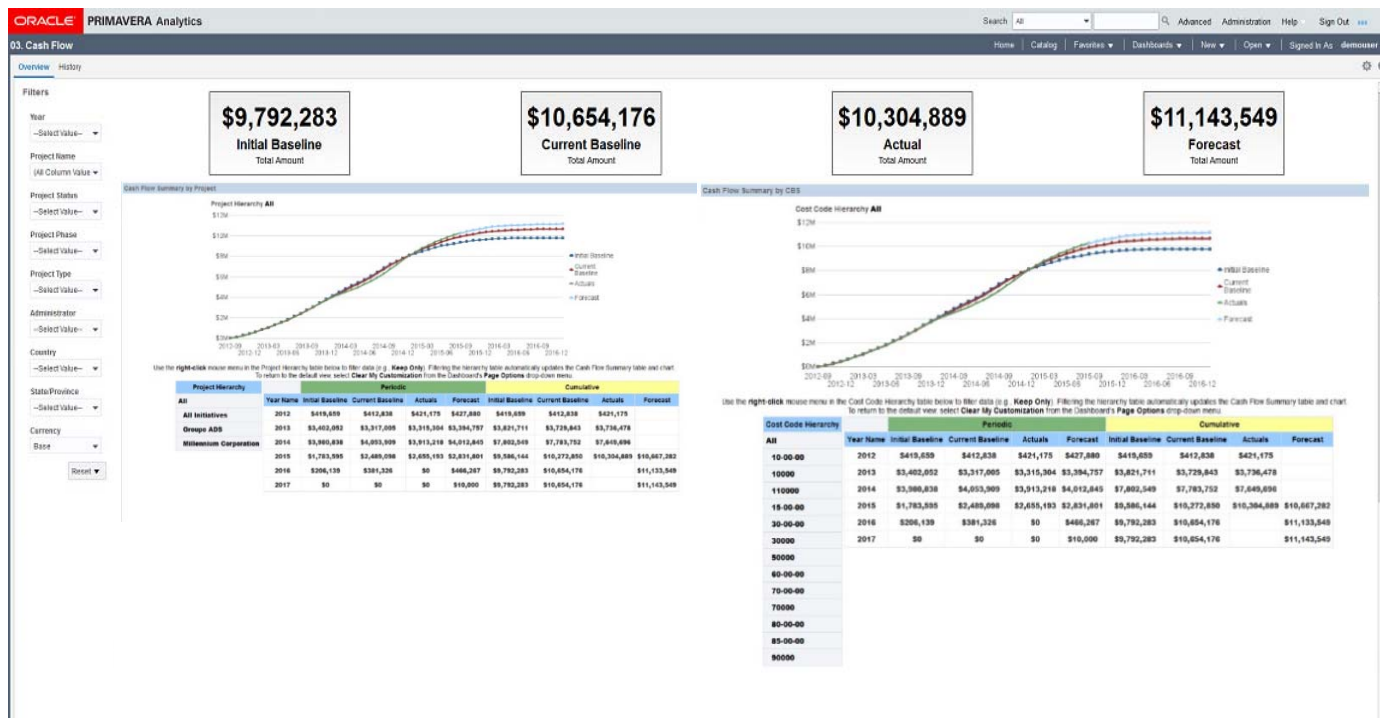
Case Study

Reporting, the reason we have data...



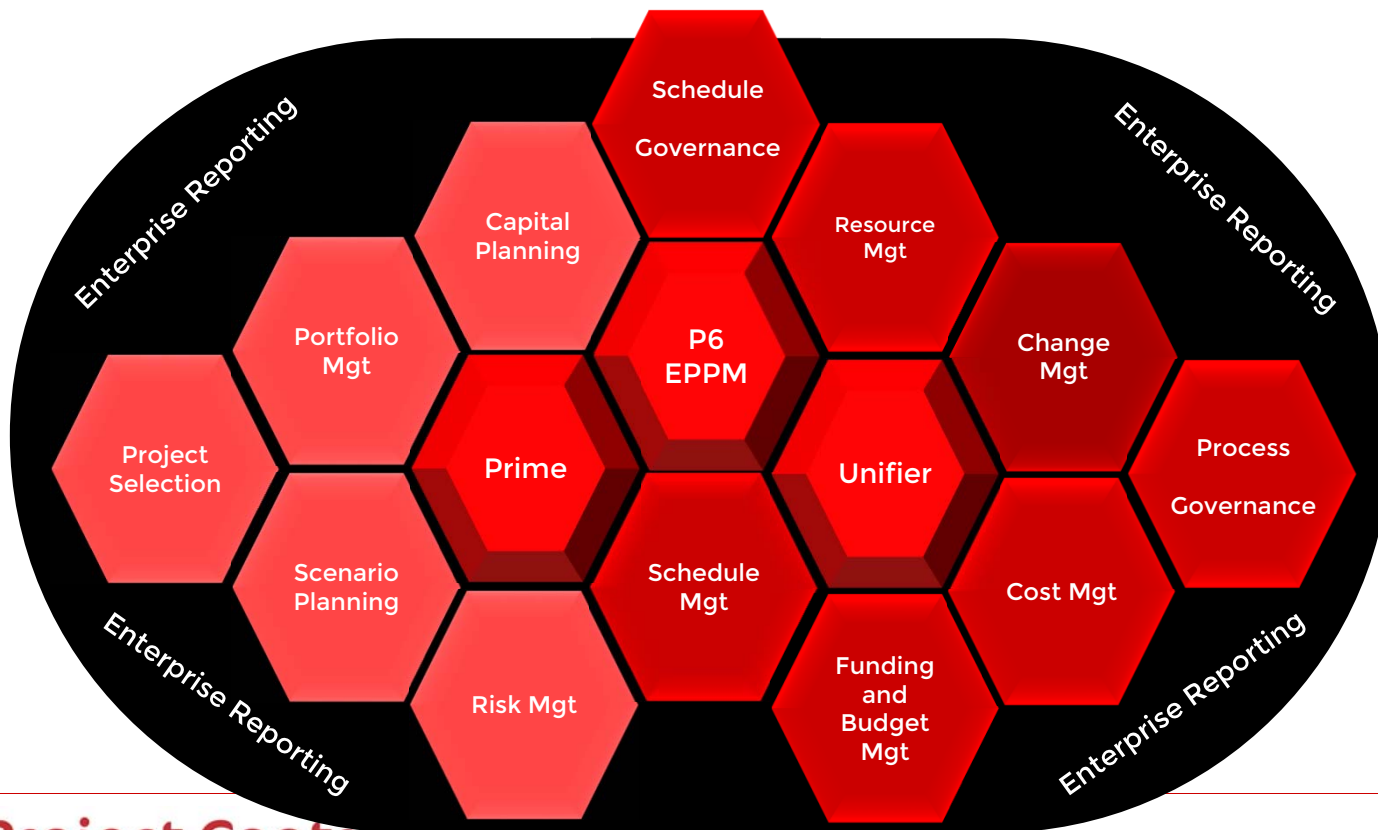
Case Study

Reporting, the reason we have data...



Case Study

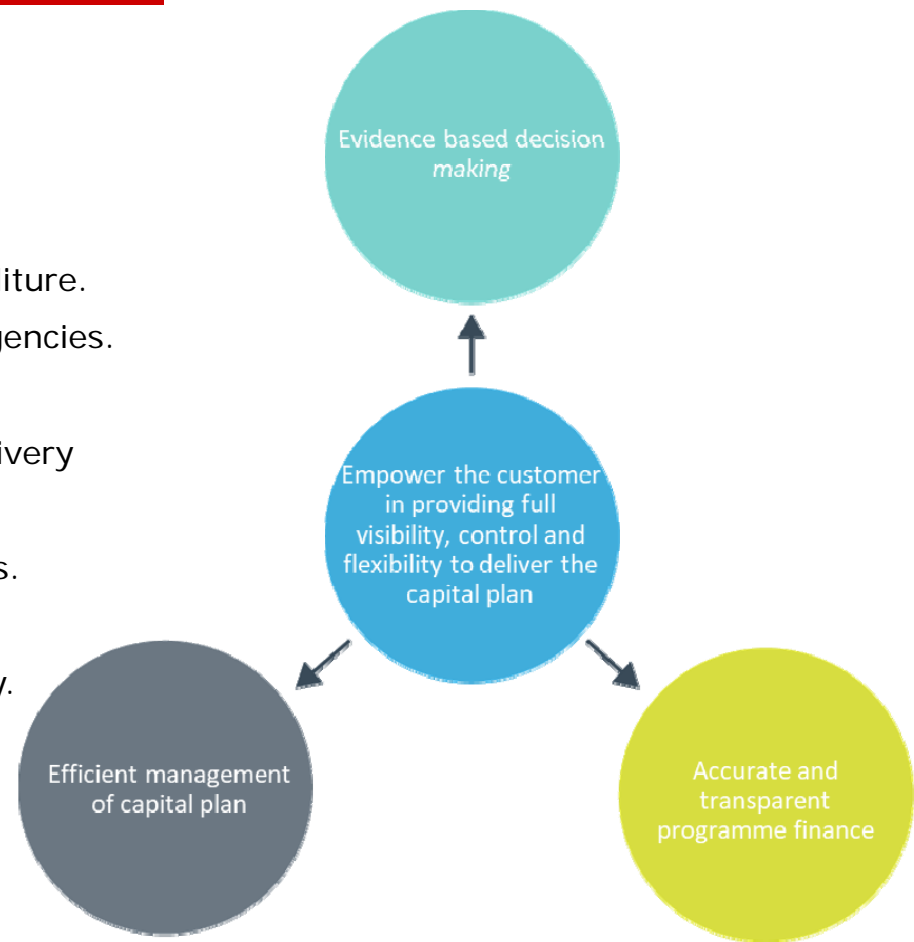
Where are we going?



Case Study

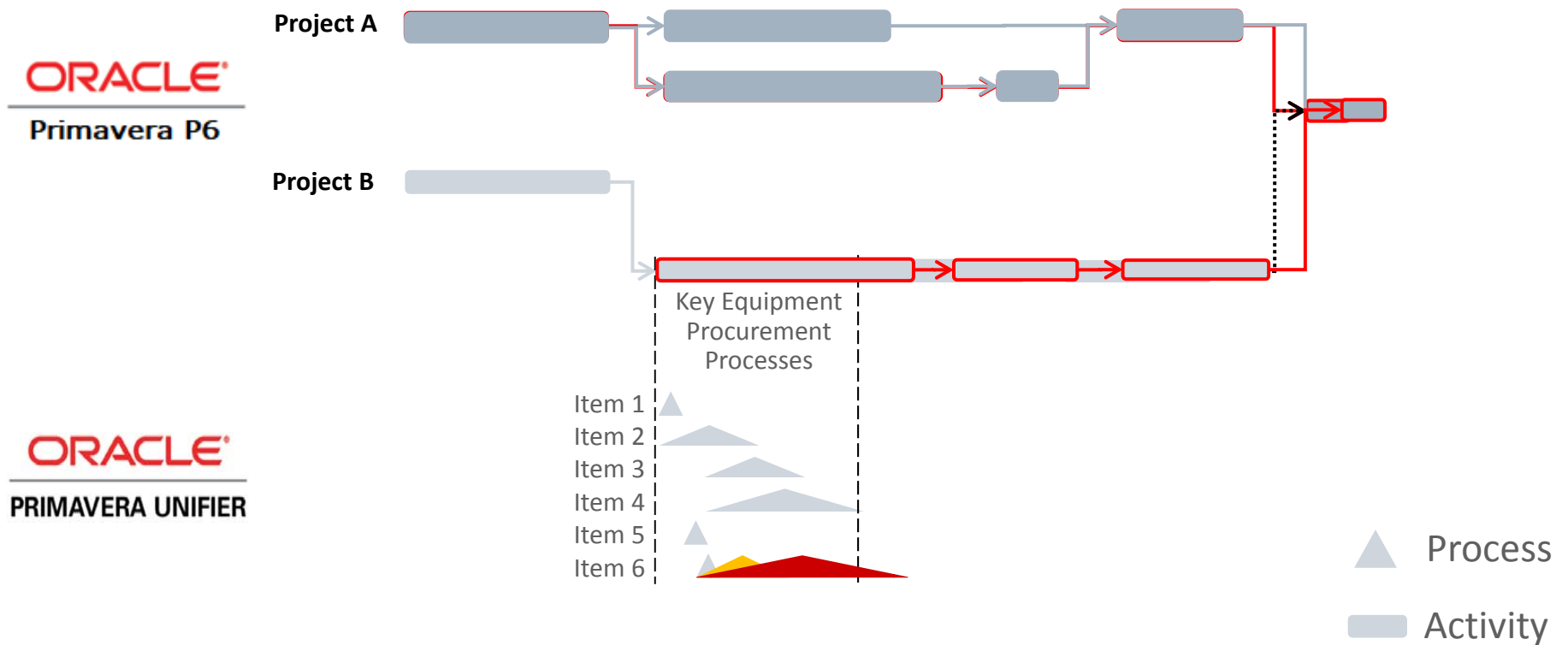
Benefits

- ✓ Single source of the truth across all projects.
- ✓ Visibility of progress against programme and expenditure.
- ✓ Improved management of risk and time/cost contingencies.
- ✓ Closer control over annual capital expenditure.
- ✓ Effective scenario planning at capital planning or delivery stages.
- ✓ Significant reduction in time spent to compile reports.
- ✓ Audit trail of activity of each user of the system.
- ✓ Enhanced governance through workflow functionality.



Enhancement

Enhance P6 with Unifier, how?



Enhancement

Enhance P6 with Unifier, how?

The screenshot displays the Primavera P6 interface. At the top, a Gantt chart shows project activities for Q1, including 'Waterville - Automated System' and 'System Engineering'. Below the Gantt chart, a 'Variance Analysis Report' is open, showing a list of variance records and a summary of analysis metrics.

ID/Code *	Name *	Start	Finish	Janua	February	March	April
MFG00189	Waterville - Automated System	25-Jan-16 08:...	22-Nov-16 10:...				
Sys-Eng	System Engineering	25-Jan-16 08:...	22-Nov-16 10:...				
MN1000	Define System Requirements	25-Jan-16 08:...	15-Feb-16 10:...				

Record No.	Project Number	Creation Date	Short Description
VAR-0016	P-0001	28/03/2017	Control Account 2
VAR-0015	P-0001	28/03/2017	Control Account 2
VAR-0014	P-0001	27/03/2017	Control Account 2
VAR-0013	P-0001	27/03/2017	Control Account 2
VAR-0012	P-0001	27/03/2017	Control Account 2
VAR-0011	P-0001	27/03/2017	VAR Test 1 - Line item 1
VAR-0010	P-0001	23/03/2017	Test 2
VAR-0009	P-0001	23/03/2017	Test
VAR-0008	P-0001	23/03/2017	Test 3 - Line item 5
VAR-0007	P-0001	23/03/2017	Test 3 - Line item 4
VAR-0006	P-0001	23/03/2017	Test 3 - Line item 3
VAR-0005	P-0001	23/03/2017	Test 3 - Line item 2
VAR-0004	P-0001	23/03/2017	Test 2 - Line item 1

Cumulative Analysis			
SPI	CPI		
0.9	0.82		
SV	SV %	CV	CV %
-10.0	-10.0	-20.0	-22.22

At Completion Analysis			
BAC	EAC	ETC	
1,000.0	1,020.0	910.0	
VAC	VAC %	TCPI	TCPI-CPI
-20.0	-2.0	1.02	0.2

varThresholdsVAR Thresholds	
CV Cum Threshold	SV Cum Threshold
0.0	0.0
VAC Threshold	TCPI v CPI Threshold
0.0	0.0



EXPO

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QUESTIONS?